



LAPEER

COMMUNITY SCHOOLS

District of Choices

**Lapeer High School
Zemmer 8-9 Campus
Rolland-Warner 6-7 Campus**

**Course Catalog
2016-17**



LapeerSchools.org

Notice of Nondiscrimination Policy

It is the policy of the Lapeer Community Schools that no person shall, on the basis of race, color, national origin, sex or handicap, be excluded from participation in, be denied the benefits of, or be subjected to discrimination during any program or activity or in employment.

Lapeer is home to Michigan's first AP Capstone Diploma Program!

AP Capstone is built on the foundation of two courses — AP Seminar and AP Research — and is designed to complement and enhance the in-depth, discipline-specific study provided through AP courses.

**Talk to your counselor or visit:
lp.collegeboard.org/ap-capstone**

AP Capstone™

One Lapeer – Four Campuses

Four unique campuses with one mission: enriching and extending your child’s educational experience in a personalized, meaningful, and relevant way.

We take ONE firm approach to meeting the diverse needs of each student across four campuses – and that is to serve as the premier district of CHOICES for students and families in meeting their academic goals.

This course description guide provides students and parents with the detailed descriptions of our courses, as well as a description and overview of the four campuses that make up our designed 6-12 system.

The Rolland Warner Campus (6-7) will provide a safe yet rigorous transition for your child as he/she leaves the elementary experience. A balance of rigor and support awaits, including opportunities to take 7th grade work as a 6th grade student and begin completion of the high school world language requirement. Additionally, instructional support will be provided to ensure that the basics of reading and fundamental math are in place. Music, art and other elective options are available, as well as a high quality fitness program, as your child begins his/her lifelong approach to healthy living and athletic opportunities.

The Zemmer Campus (8-9) provides the perfect transition from middle school to high school, and has a high school feel when it comes to curriculum and instruction, but also a middle school feel when it comes to knowing each and every child. Similar to the 6-7 experience, students can stretch into multiple high school courses as an 8th grade student, including biology, 9th grade English and Spanish. Fine arts and athletics provide great opportunities to grow as a leader and individual. In 9th grade, full access to the high school curriculum and participation in sports blend seamlessly – as 9th grade students begin to transition to the high school campus.

At 10th grade, students then enter **Lapeer High School and the Center for Innovation at the West Campus**. High rigor, virtual learning, Advanced Placement, and dual enrollment (including coursework from the University of Michigan-Flint, Eastern Michigan University, Baker College, and Mott Community College) are all options for students as they continue their high school journey while preparing for the 13th year transition to college and the world of work.

Across all four campuses, LCS will be consistent in providing a rigorous and relevant curriculum to all students at each campus and grade.

Rolland-Warner 6/7 Campus & Zemmer 8/9 Campus Programming

Goals for our sixth through ninth grade students in our middle school programs support research about best practices for adolescent learners and school programming. Goals for development include:

- Foster a climate of trusting and respectful relationships among students, teachers, administrators, parents, and community members.
- Implement a standards-based curriculum grounded in our district mission, using research-based, relevant instructional methods and assessments that prepare all students to achieve.

- Provide a collaborative, empowering culture that supports shared decision-making, problem solving, and governance in response to consensus-driven student performance goals and targets.
- Sustain an educational staff that are expert at teaching adolescents and early teens, and provide ongoing staff development to ensure that teachers build the understandings, knowledge, and skills to assist all students to learn to high levels.

Based on the mission and goals of the middle years program, the following key components will be a part of the Lapeer Community Schools 6/7 and 8/9 campuses program:

I-Connect/Intervention/Silent Sustained Reading: All students in grades 6-9 will participate in two I-Connect sessions each week. The focus of the I-Connect program is to establish relationships; promote communication between students, home and school; develop leadership and citizenship skills – all of which contribute to students’ academic and social success. Students will also participate in three SSR sessions each week. During this time, students needing additional academic or behavioral support will be pulled out in small groups and the remainder of the student body will spend time in independent reading of a book/text of their choice.

Opportunities for Advancement: We believe that all students excel in different areas, and we would like to recognize these unique strengths by allowing all students to participate in advancement in one or more areas. Areas available for advancement will include our Project Lead the Way advanced science program, advancement in math curriculum, and our Pre-AP Springboard English Language Arts curriculum.

Special Education Programming: Special education teachers will provide services through a combination of flexible service delivery models such as co-teaching, resource room, learning center, and/or consulting services, in accordance with each student’s Individualized Education Plan. Special education students will have the opportunity to choose from the same exploratory options as their peers.

Exploratory/Enrichment/Intervention Programming: A wide range of exploratory, enrichment, and intervention opportunities are available for students at all these levels. These options include some required components at each grade level, but also allow for some individual input based on interest and need. Students needing extra support in reading and/or mathematics may have an opportunity to be placed in an intervention class instead of an exploratory class.

Year-Round Middle School Program, grades 6-8

Our year-round middle school program follows the balanced calendar, i.e.: school in August, but four weeklong breaks throughout the rest of the school year. In the month of August, all year-round 6-8 students will attend school at the Rolland-Warner Campus. They will participate in their four core classes (ELA, math, science, & social studies) and two hours of special enrichment programming targeted to their interests. When the rest of the student body joins them in September, they begin their regular exploratory programming alongside the traditional students. Most options for coursework and extra-curricular activities are available to year-round students, but students may have to attend practices or contests during their weeklong breaks in certain instances. Opportunities and resources listed above (I-Connect, Intervention, Advancement, etc.) will be available to year-round students as well.

*The program uses a lottery to fill seats, so getting the application in on time is extremely important.

Lapeer High School

Tenth through twelfth grade students in attendance at Lapeer High School are provided with a wide array of opportunities to demonstrate their areas of strength. Within the academic realm, students are guided through a challenging curriculum that is designed to meet the needs of each individual student. Opportunities abound for students to earn college credit through Advanced Placement Courses, College on Campus programs and vocational programming. Beyond meeting the needs of the Michigan Merit Curriculum Graduation Requirements, students will be able to select from a variety of programs within the arts, business and industrial arts to prepare for their future. With a continued focus on the incorporation of technology into the curriculum, students graduating from LHS will be prepared for the demands of the 21st century.

Outside of the class setting, opportunities abound for students to make a connection with both peers and staff through our comprehensive athletic and club programs. Within these programs, students are able to further pursue individual interests in preparation for their future. The success and needs of each student at Lapeer High School is important to our staff and serves to guide our practices and program offerings.

I-Connect: All students in grades 10-12 participate in I-Connect sessions daily. The focus of the I-Connect program is to establish relationships; promote communication between students, home and school; develop leadership and citizenship skills; foster academic growth –all of which contribute to students' academic and social success.

The Lapeer Center for Innovation at the West Campus (CFI)

The Lapeer CFI serves students in grades 6-12 and houses many innovative and unique programs designed to challenge our students and stretch their academic potential. The central purpose of the CFI is to innovate, challenge educational norms, and ultimately to equip our students for success in the demanding and competitive 21st century global marketplace.

Programs offered at the CFI include:

- STEM (Science, Technology, Engineering, and Mathematics) Magnet Program featuring Project Lead the Way curriculum
- L12 Senior Capstone course
- The Lapeer Virtual Learning Center
- College on Campus Programs in partnership with UM Flint and Baker College
- The Ombudsman Program

WHY CFI?

The global economy of the future is evolving at a rapid pace. To be competitive as they grow and mature, students need to take opportunities to challenge themselves and stretch their individual capacities to gain advantages in higher education as well as the world of work. It is our expectation that students in Lapeer all earn college credit and/or engage in real-world work experiences while still enrolled in high school. The CFI builds upon already existing opportunities in Lapeer Schools by bringing the college campus and the global marketplace to our very own schools.

Lapeer Virtual Learning Center

What is virtual schooling?

Students in grades 6-12 can enroll as a full-time student in Lapeer Community Schools and receive their courses through online providers or with a blended schedule that includes both traditional and online courses. Virtual learning provides a student a flexible schedule in terms of when and where learning takes place. Typically, courses are delivered via the Web, so students can work anytime and anywhere they have internet access. The district provides a computer and broadband internet access, if needed.

Who can enroll?

Students in grades 6-12 (and under 20 years old on September 1st) and residing in Lapeer, Oakland, Genesee, Tuscola, Sanilac, St. Clair and Macomb counties can enroll as full-time virtual students.

Homeschool and Other Non-Public School Students may enroll in the district for non-essential courses.

Each course has a “teacher on the other end” – a content expert to assist the students. The district provides a local mentor – a teacher that supports the student. Students must maintain consistent participation and progress, and have regular communication with their mentor and teachers.

The student may participate in extracurricular activities (according to rules or policies associated with the activities). Juniors take the SAT test as part of the Michigan Merit Exam (MME). Upon graduation, students earn a Lapeer Community Schools diploma. The district provides a “learning center” with a computer lab and study area.

The district provides an orientation regarding program policies, guidelines, and online content. Virtual courses include core subjects and a wide variety of electives. The district reviews transcripts/records of work, develops a schedule of courses, and provides tuition free curriculum (up to 12 courses per year).

*For more information visit the webpage: www.lvlc.lapeerschools.org.

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Registration Information

1. Before entering high school, students should choose a career pathway and a post secondary education goal (See section “Career Planning” on page 78 for more detailed information.)
2. Next, students working with their parents should design a six-year plan of study (Educational Development Plan found on page 83) to be taken during high school and beyond. This should include courses to meet graduation requirements, career pathway guidelines, and special interests and needs.
3. Before choosing courses, students should carefully read the section entitled “Course Offerings” (page 12). Questions about the courses should be addressed to the counselors or teachers.
4. All students will be required to enroll in six classes for two semesters each year. Students may also have the opportunity to take a 7th class.
5. In order to provide greater educational opportunities for all Lapeer Community School students, the district will offer courses at all four campuses. Transportation will be provided by the district between buildings.
6. Courses described in this booklet are offered based upon sufficient student demand and teacher availability as determined by administration.
7. Students in grades 9 - 12 may enroll in college courses at a nearby college each semester if they meet the qualifications and conditions.
8. Students interested in special programs including academic exceptions, dual enrollment, online learning, personal curriculum and independent study should contact their counselor.
9. Students should select their classes carefully. They are expected to remain in their classes until completion. An open period of drop and add will occur at the beginning of each semester, not to exceed two weeks.

Graduation Requirements

To qualify for graduation from Lapeer Community Schools, students must successfully complete the following requirements and conditions that have been established by the Board of Education and Administration. Students need to be aware of the relationship between academic performance and membership in a particular graduating class.

- **M-STEP** - A student must complete all parts of the Michigan Student Test of Educational Progress.
- **ATTENDANCE** - A student must complete four years of high school attendance. Students must also meet the attendance requirements in order to earn credit in any course.
- **STUDENT SUBJECT SCHEDULE** - A student must be enrolled in a full schedule of classes each semester. A full schedule consists of six classes. Exceptions to this policy are made for 5th year students needing less than one semester of credit in order to meet the graduation requirements for their class. These students are allowed to be scheduled for the number of credits needed for graduation without applying for an academic exception.
- **5.0 GRADING SCALE: AP and Dual Enrollment receiving high school & college credit or high school credit only** – Lapeer High School recognizes the advanced rigor involved in completing some of the courses offered. Those courses that have been deemed college equivalent have been placed on the 5.0 GPA Scale and are marked as such in this catalog. All students enrolled in these classes will have their GPA calculated using the following scale.

Grade	GPA
A	5.0
A-	4.667
B+	4.333
B	4.0
B-	3.667
C+	3.333
C	3.0
C-	2.667
D+	1.333
D	1.0
D-	0.667
F	0.0

- **TOTAL CREDITS REQUIRED** - One credit will be awarded for each successfully completed class each term. Following are the Board of Education graduation requirements for each class:

Graduation Class	MMC Credits for Graduation	Total Possible
2017	51	54
2018+	45	48

Lapeer Community Schools recognizes that students striving to reach their maximum potential may be allowed to design unique, flexible, comprehensive programs of study which meet their needs. Exceptions to the Lapeer Community Schools graduation requirements that may still lead to earning a Lapeer Community Schools diploma are considered through the Academic Exceptions process. This includes students seeking to modify the four year attendance requirement in order to graduate early. Students interested in completing academic exceptions should contact their counselor.

Graduation Requirements

Departmental Requirements

Students must fulfill all department requirements listed below for graduation.

English	4 years <input type="checkbox"/> English 9 <input type="checkbox"/> English 10 <input type="checkbox"/> English 11 <input type="checkbox"/> English 12
Math	4 years and must include: <input type="checkbox"/> Algebra I <input type="checkbox"/> Geometry <input type="checkbox"/> Algebra II <input type="checkbox"/> Two (2) additional math or math related credits must be earned – at least one (1) of which must be completed during the senior/final year of high school.
Science	3 years and must include: <input type="checkbox"/> Biology <input type="checkbox"/> Chemistry or Physics <input type="checkbox"/> Additional year of science credit must be earned during high school
Social Studies	3 years must include: <input type="checkbox"/> World History <input type="checkbox"/> Civics/Economics <input type="checkbox"/> US History
PE/Health	<input type="checkbox"/> (1) credit Physical Education (PE) <input type="checkbox"/> (1) credit Health
World Language	2 years <input type="checkbox"/> 2 years of the same World Language.
Visual, Performing, Applied Arts	1 year <input type="checkbox"/> Courses meeting this requirement are designated in course descriptions.
Online Learning Experience	<input type="checkbox"/> This experience will be required for all Lapeer Community Schools students during their senior year English experience.

State Graduation Requirement	Additional Lapeer Courses Meeting State Requirements with Different Course Titles
US History	*AP US History
Government	AP US Government
Physical Education	All Physical Education classes 9 – 12
English 9	Springboard English 9
English 10	Springboard English 10
English 11	Springboard English 11, *AP English Language & Composition
English 12	*AP English Literature & Composition, AP Research
World History	*AP World History

*This course is used to meet MMC requirement. Successful completion of both semesters is required to fulfill MMC requirement in content area.

Graduation Requirements

Courses Meeting Visual, Performing, Applied Arts Credit

Courses noted with (VPA) in Catalog

Department	Course Title	Department	Course Title
Art	Art I	Skilled Trade @ Ed-Tech Center	Agriscience/Horticulture
	Two-Dimensional Art		Collision Repair
	Drawing		Automotive Mechanics
	Painting		Computer Aided Design
	Printmaking		Computer Networking
	Pottery		Construction Technology
	Sculpture		Cosmetology
	Commercial Art		Culinary Arts
	Advanced Commercial Art		Diesel Technology
	Studio Art		Early Childhood
	AP Studio Art		Welding and Machining Technology
Industrial Arts	Woods I, Woods II, Woods III	English	Public Safety/Protective Services
	Woodworking Techniques		Recreational Vehicle Repair
	Metals I, Metals II, Metals III		Sales & Marketing
	Robotics		Speech & Communication
	Drafting I		Argumentation & Debate
	Advanced Mechanical Drafting		
	Architectural Drafting		
	Drafting – Independent Study		
Life Management	Clothing Construction I	Music	Concert Band
	Clothing Construction II		Symphony Band
Business	Computer Apps for Desktop Pub.		Jazz Band
	Publications		Mixed Chorus
ELA	Creative Writing		Treble Choir
	Photo Editing I		Concert Choir
Social Studies	Photo Editing II		Music Theory and History
	Humanities I		U M Flint: Business & Humanities
	Humanities II	Dual Enrollment	Baker: Computer, Engineering, Health, CNC
			Mott: Business, C J, Computer

Courses Meeting Math-Related Credit

These courses are in addition to all courses listed in Math Department. Courses noted with (MathR) in Catalog.

Department	Course Title	Department	Course Title
Business	Accounting I	Skilled Trade @ Ed-Tech Center	Agriscience/Horticulture
	Accounting II		Collision Repair
	Building Wealth		Automotive Mechanics
	Personal Money Management		Construction Trades
	Business Math		Computer Aided Design (CAD)
Life Management	Consumer Education		Computer Networking
Science	Physics		Cosmetology
	Advanced Topics in Physics		Culinary Arts
Industrial Arts	Drafting		Diesel Technology
	Woods I		Digital Media Arts
	Woods II		Careers in Education
	Woods III		Electronics
	Metals I		Health Occupations
	Metals II		Res. Electrical, Plumbing and HVAC
	Metals III		Welding and Machining Technology
Dual Enrollment	U M Flint: Business		Public Safety/Protective Services
	Baker: Computer, Engineering, CNC		Recreational Vehicle Repair
	Mott: Computer Tech		Sales & Marketing

College Credit Opportunities

ADVANCED PLACEMENT (AP)

An examination program for which colleges may grant credit in a number of specific content areas. Lapeer Community Schools offer specific courses designed to prepare students for AP testing. These courses are AP English Language and Composition, AP English Literature and Composition, AP Research, AP Seminar, AP Spanish, AP French, AP Chemistry, AP Biology, AP Environmental Science, AP Physics, AP Calculus AB, AP Calculus BC, AP Statistics, AP U.S. History, AP Psychology, AP U.S. Government and Politics, AP World History, and AP Studio Art. See your counselor for further information. Students taking Advanced Placement classes are making a commitment to excellence. These classes create a collegiate-style academic environment. The pace of instruction and expectations for homework are demanding. Students who select these classes must accept these challenges if they wish to receive above average grades. Students are strongly encouraged to take the AP test(s) offered in the spring.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Examination programs for which colleges may grant credit to those students who demonstrate their knowledge, if any, of the 34 examinations. Each university and college determines the granting of credit for CLEP and AP by its internal policies. Students considering taking a CLEP or AP test should contact the university or college in which they intend to enroll to assess the advisability of taking these examinations.

COLLEGE ON CAMPUS DUAL ENROLLMENT

LCS is partnered with University of Michigan-Flint, Mott Community College, Baker, and Eastern Michigan University to provide a yearlong block of classes in Lapeer offered during the traditional school day. Intended for juniors and seniors, a student successfully completing the College on Campus Program will earn from 7-13 college credits. For more information on specific programs see pages 68-77.

DUAL ENROLLMENT

Students in grades 9-12 may enroll in a postsecondary course provided they meet the following criteria:

- A) Enrollment in at least one high school course. The number of courses a student may take per semester between the high school and college may not exceed seven.
- B) Completion of all high school courses available in the course content area. (An exception to this could occur if a scheduling conflict exists beyond the student's control.)
- C) Fulfillment of requirements established by the postsecondary institution.
- D) Achievement of minimum qualifying scores on one of the state approved tests. Please see your counselor for the state approved cut scores. Tests include: Explore, PLAN, ACT, Compass, MME, PSAT, SAT and Accuplacer.
- E) Students can enroll in a total of 10 total courses during their high school career.
- F) A student who meets the minimum qualifying score may dual enroll in any course that applies towards the fulfillment of a postsecondary institution's degree requirements EXCEPT for:
 - Hobby, craft or recreational courses
 - Physical education, theology, divinity, or religious education
- G) A student who does not meet all of the passing scores but has passed at least one area may **ONLY** dual enroll in
 - The subject areas for which he/she has achieved a qualifying score;
 - A course in computer science or foreign language not offered by the school district; or
 - A course in fine arts as permitted by the school district.

Course Offerings

Courses described in this Course Offerings Handbook are offered based upon sufficient student demand and teacher availability determined by administration.

This section of the Course Offerings Handbook contains a departmental listing of all courses of instruction for the coming school year.

For each subject offered, the course number and title are listed, followed by the grade levels to which the course is available, for example, 9-10, 9-12, 11-12, etc. Courses that are one credit are one semester in length. Two credit courses are for two semesters. Some courses cannot be elected until a prerequisite course has been taken. In these cases, the course numbers of the prerequisite course(s) are listed in front of the course description. AP courses are noted in the course title. NCAA approved courses are noted in parentheses following the course description (NCAA). Courses meeting the visual, performing, and applied arts MMC requirement are noted by (VPA) following the course description. Courses qualifying to receive math-related credit are noted with (MathR) following the course description.

Course Offerings for 6 th Grade					
Course #	Required Core Courses	Length	Course #	Exploratory Courses	Length
6210	ELA 6	full year	6660	Band 6	full year
7222	*SpringBoard ELA 7	full year	6615	Choir 6	1-2 semesters
6522	Math 6	full year	6400	Teen Survival Skills	semester
7522	*Math 7	full year	6000 A	Exploratory Art A	semester
8522	*Math 8	full year	6366	Exploratory Spanish	semester
530	*Algebra I	full year	6346	Exploratory French	semester
6700	Science 6	full year	310	*Spanish I	full year
6730	PLTW Advanced Science 6	full year (2 hour block)	300	*French I	full year
6800	Social Studies 6	full year	6235	Reading Intervention	semester
	Required Exploratory Courses	Length	6540	Math Plus	semester
6650	Physical Education 6	semester (rotating day)	618 A&B	Music Exploration	full year
6230	Literacy 6	semester (rotating day)	776 A&B	Exploration of the Natural World	full year
			7715	Outdoor Education	semester
			389	Exploration in World Languages	full year

*Specific criteria must be met for enrollment in this course for 6th grade students.

Course Offerings for 7th Grade

Course #	Required Core Courses	Length	Course #	Exploratory Courses	Length
7210	ELA 7	full year	7000 B	Exploratory Art B	semester
8222	*SpringBoard ELA 8	full year	7601	Band 7	full year
7522	Math 7	full year	7605	Choir 7	semester/full year
8522	*Math 8	full year	7540	*Math Plus	semester
530	*Algebra I	full year	7715	Outdoor Education	semester
533	*Geometry	full year	7150	Publications	semester
7700	Science 7	full year	7235	*Reading Intervention	semester
7730	PLTW Advanced Science 7	full year (2 hour block)	7870	Service Learning	semester
7800	Social Studies 7	full year	7155	Tech for Life	semester
	Required Exploratory Courses	Length	7555	Amusement Park Math	semester
7653	Physical Education/Health 7	semester (rotating day)	7366	Exploratory Spanish	semester
7230	Composition 7	semester (rotating day)	310	*Spanish I	full year
			7346	Exploratory French	semester
			300	*French I	full year
			618 A&B	Music Exploration	full year
			776 A&B	Exploration of the Natural World	full year
			389	Exploration in World Languages	full year

*Specific criteria must be met for enrollment in this course for 7th grade students.

Course Offerings for 8th Grade

Course #	Required Core Courses	Length	Course #	Exploratory Courses	Length
8221	ELA 8	full year	8602	Concert Band 8	full year
230	*Springboard ELA 9	full year	8603	*Symphony Band 8	full year
231	*Springboard ELA 10	full year	8607	8 th Grade Choir	full year
8522	Math 8	full year	8608	8 th Grade Advanced Choir	full year
530	*Algebra I	full year	8000	Exploratory Art 8	semester
533	*Geometry	full year	8035	*Advanced Art	semester
534	*Algebra II	full year	310	Spanish I	full year
8710	Science 8	full year	311	Spanish II	full year
8810	Social Studies 8	full year	300	French I	full year
720	*Biology (See note below)	full year	301	French II	full year
<p><i>Biology can be taken as 8th grade science class for those students on pltw pathway.</i></p> <p><i>OR</i></p> <p><i>Can be taken concurrently with Science 8 for students interested in advancement.</i></p>			8870	Service Learning	semester
			M450	Intro to Engineering	semester
			8650	Physical Education 8	semester
			8670	Personal Fitness	semester
			8165	Publications	semester/full year
			8245	Theatre Arts	semester
			8235	*Reading Intervention	semester
			8540	Math Plus	semester
			8151	Tech for Life	semester
			8738	PLTW: Flight & Space	semester
			8735	PLTW: Energy & the Environment	semester
			8716	PLTW: Medical Detectives	semester
			770	*PLTW: Introduction to Engineering & Design (HS credit course)	full year
			8865	Outdoor Education	semester
			618 A&B	Music Exploration	full year
			776 A&B	Exploration of the Natural World	full year
389	Exploration in World Languages	full year			

*Specific criteria must be met for enrollment in this course for 8th grade students.

Course Index

Art		Grades	Cr
6000 A	Exploratory Art A	6 – 7	
7000 B	Exploratory Art B	6 – 7	
8000	Exploratory Art 8	8	
8035	Advanced Art	8	
010	Art I	9 – 12	2
020	Two Dimensional Art	10 – 12	2
030	Pottery	10 – 12	1
031	Sculpture	10 – 12	1
040	Commercial Art	10 – 12	2
041	Advanced Commercial Art	10 – 12	1
050	Studio Art	11 – 12	1
052	AP Studio Art	11 – 12	2
Business/Computers		Grades	Cr
7155	Technology for Life	7	
8151	Technology for Life	8	
M450	Intro to Engineering & Design	8	
100	Introduction to Business	9 – 12	1
102	Personal Money Management	9 – 12	1
115 A & B	Accounting I -A & B	10 – 12 *(9)	1
116 A & B	Accounting II - A & B	10 – 12 *(9)	1
120	Building Wealth	10 – 12	1
132A & B	Marketing / Entrepreneurship I & II	10 – 12	1
137	Sports & Entertainment Marketing	10 – 12	1
139	Business Math	12	1
140	Word Processing I	9 – 12	1
145	Word Processing II	9 – 12	1
150	Computer Apps/Personal	9 – 12	1
151	Computer Apps/Desktop Pub	9 – 12	1
153	Multimedia Production	9 – 12	1
157	Web Authoring/Basic Prog.	10 – 12	1
160	Photo Editing	9 – 12	1
162	Photo Editing II	9 – 12	1
171	Information Technology	9 – 12	1
English		Grade	Cr
6210	English 6	6	
6230	Literacy 6	6	
7210	English 7	7	
7230	Composition 7	7	
8221	English 8	8	
7222	SpringBoard English 7	7	
8222	SpringBoard English 8	8	
6235	Reading Intervention	6 – 8	
7235			
8235			
8245	Theatre Arts	8	
230	SpringBoard English 9	8 – 9	2
220	English 9	8 – 9	2
231	SpringBoard English 10	9 – 10	2
221	English 10	9 – 10	2
263	SpringBoard English 11	10 – 11	2
222	English 11	10 – 11	2
223	English 12 (Senior Capstone)	12	2
232	AP Eng Lang & Composition	11	2
233	AP Eng Lit & Composition	12	2
240	Speech Communications	9 – 12	1
241	Argumentation & Debate	10 – 12	1
243	Drama Literature	10 – 12	1

English		Grades	Cr
244	Intro to Contemporary Literature	9 – 10	1
245	Contemporary American Literature	11 – 12	1
250	American Film Study	11 – 12	1
252AD	Creative Writing	9 – 12	1
252BD	Creative Writing Intro.	6 – 9	1
253	Mythology	10 – 12	1
267D	Literacy Intervention	9 – 12	1
275	Holocaust & Middle East Literature	10 – 12	1
234	AP Seminar	11	2
239	AP Research	12	2
Family & Consumer Science		Grades	Cr
7715	Outdoor Education	6 – 7	
8865	Outdoor Education	8	
450	Clothing Construction	9 – 12	1
451	Clothing Construction II	9 – 12	1
455	Foods and Nutrition	9 – 12	1
457	Foods and Nutrition II	9 – 12	1
468	Child Development I	9 – 12	1
469	Child Development II	11 – 12	1
461	Family Living	9 – 12	1
470	Consumer Education	9 – 12	1
Industrial Technology		Grades	Cr
400	Woods I	9 – 12	2
401	Woods II	10 – 12	2
402	Woods III	11 – 12	2
403	Woodworking Techniques	9 – 12	1
410	Metals I	9 – 12	2
411	Metals II	10 – 12	2
412	Metals III	11 – 12	2
420	Small Engine Repair	9 – 12	1
421	Basic Electricity	9 – 12	1
422	Electronics	10 – 12	1
430	Drafting I	9 – 12	2
431	Adv. Mechanical Drafting	10 – 12	2
432	Architectural Drafting	10 – 12	2
433	Drafting – Independent Study	11 – 12	2
Math		Grades	Cr
6522	Math 6	6	
7522	Math 7	6 – 7	
7555	Amusement Park Math	7	
8522	Math 8	6 – 8	
6540	Math Plus	6 – 8	
7540 8540			
530	Algebra I	6 – 9	2
533	Geometry	7 – 10	2
532	Algebra II	8 – 12	2
539	Honors Algebra II	9 – 10	2
540	Probability/Statistics	10 – 12	2
541	Pre-Calculus/Trig	10 – 12	2
542	AP Calculus AB	10 – 12	2
543	AP Statistics	11 – 12	2
545	AP Calculus BC	11 – 12	2
555	Algebra III with Trig	11 – 12	2

Course Index cont.

Music		Grades	Cr
6600	6 th Grade Band	6	
7601	7 th Grade Band	7	
8602	Concert Band	8	
8603	8 th Grade Symphony Band	8	
603	9 th Grade Concert Band	9	2
604	9 th Grade Symphony Band	9	2
600	Concert Band	10 – 12	2
601	Symphony Band	10 – 12	2
602	Jazz Band	10 – 12	2
605	Wind Ensemble	10 – 12	2
6615	6 th Grade Choir	6	
7607	7 th Grade Choir	7	
8607	8 th Grade Choir	8	
8608	8 th Grade Advanced Choir	8	
614	9 th Grade Advanced Choir	9	2
611	Choir	9 – 12	2
610	Treble Choir (female only)	10 – 12	2
615	Music Theory and History	9 – 12	2
612	Honors Choir	10 – 12	2
616	Show Choir	9 – 12	2
618	Music Exploration	6 – 12	2
Physical Education		Grades	Cr
6650	Physical Education 6	6	
7653	Physical Education 7/Health	7	
8650	8 th Grade Physical Education	8	
8670	Personal Fitness	8	
650	Physical Education	9 – 12	1
651	Health	9 – 12	1
652	Lifetime Fitness I	9 – 12	1
660	Advanced Physical Education	10 – 12	1
670	Physical Conditioning	10 – 12	1
675	Female Physical Conditioning	10 – 12	1
Science		Grades	Cr
6700	Science 6	6	
6730	PLTW Advanced Science 6	6	
7700	Science 7	7	
7730	PLTW Advanced Science 7	7	
8735	PLTW Energy & the Environment	8	
8738	PLTW Flight and Space	8	
8710	Science 8	8	
776 A&B	Exploration of the Natural World	6 – 12	2
720	Biology I	*9 – 10	2
721	Human Anatomy/Physiology	*10 – 12	2
724	AP Biology	11 – 12	2
727	Forensic Chemistry	11 – 12	2
730	Chemistry I	*10 – 12	2
731	AP Chemistry	11 – 12	2
740	Physics	11 – 12	2
745	Conceptual Physics	11 – 12	2
747	AP Physics	10 – 12	2
750	Astronomy	10 – 12	1
755	Meteorology	10 – 12	1
760	Ecology	10 – 12	1
761	Environmental Science	12	2
765	AP Environmental Science	11 – 12	2
770	PLTW Intro Engin & Design	8 – 12	2
772	PLTW Prin. of Biomed. Sciences	9 – 12	2
774	PLTW Principles of Engineering	10 – 12	2
8716	PLTW Medical Detectives	8	1
775 A&B	PLTW Human Body Systems	9 – 12	2

Social Studies		Grades	Cr
6800	Social Studies 6	6	
7800	Social Studies 7	7	
8810	Social Studies 8	8	
825	World History	9	2
828	AP World History	9 – 12	2
845	Civics	10	2
846	Economics	10	1
851	US History (1877 – Present)	11	2
853	AP United States History	11 – 12	2
862	AP US Gov. and Politics	10 – 12	2
869	AP Psychology	11 – 12	2
870	Psychology	11 – 12	1
871	Sociology	11 – 12	1
877	Criminology A and B	11 – 12	1
880	Amer Wars: Independence – Expansion	9 – 12	1
881	Amer Wars: Civil - World War	9 – 12	1
882	American Wars: 20 th Century and Beyond	9 – 12	1
883	The Civil Rights Movement	10 – 12	1
886	American Sports History A	9 – 12	1
887	American Sports History B	9 – 12	1
888	Humanities I	9 – 12	2
889	Humanities II	9 – 12	2
890	The American West	9 – 12	1
891	The American Jury	9 – 12	1
892	Women in America	9 – 12	1
840	Current Events	11 – 12	1
World Language		Grades	Cr
7346	Exploratory French	6 – 7	
300	French I	7 – 12	2
301	French II	8 – 12	2
302	French III	9 – 12	2
303	French IV	10 – 12	2
304	AP French Language	11 – 12	2
306	French Culture A	10 – 12	1
307	French Culture B	10 – 12	1
7366	Exploratory Spanish	6 – 7	
310	Spanish I	7 – 12	2
311	Spanish II	8 – 12	2
312	Spanish III	9 – 12	2
313	Spanish IV	10 – 12	2
314	AP Spanish and Culture	11 – 12	2
315	Spanish & Latin American Culture A	10 – 12	1
317	Spanish & Latin American Culture B	10 – 12	1
385	American Sign Language I	9 – 12	2
387	American Sign Language II	10 – 12	2
389	Exploration in World Languages	6 – 12	2
Yearbook		Grades	Cr
7150	Publications 7	7	
8165	Publications 8	8	
901	Student Publications	9 – 12	2
Special Programs		Grades	Cr
6400	Teen Survival Skills	6	
7870 & 8870	Service Learning	7 – 8	
950	Guided Academics	9 – 12	1
952	Strategies for Success	11	2
955	Career Readiness	10 – 12	1
957	Peer Tutoring	11 – 12	1
970	Technology Assistant	10 – 12	1
958	Human Services	9 – 12	1
991	LINKS	11 – 12	1
9DE	Dual Enrollment	11 – 12	
9DP	Deep (COC) Dual Enrollment	11 – 12	

Course Offerings

Art Department

Courses are designed for both artist and non-artist to help all students better understand and develop individual skills of self-expression. College preparatory students may use art courses to fulfill their Visual, Performing, Applied Arts (VPA) requirement. Students planning to pursue a career in art related fields should plan on taking art classes all four years.

*This course may be repeated for art credit with administrative approval.

6000 A	Exploratory Art A	1 semester	6 – 7	
Students will learn the elements of art: line, shape, color, value, form, texture and space in order to prepare for a variety of creative options in the future. Students will create two-dimensional as well as three-dimensional art while exploring different cultures, art history and art making styles.				
7000 B	Exploratory Art B	1 semester	6 – 7	
Students will learn to utilize the principals of design: balance, contrast, emphasis, movement, pattern, rhythm and unity and the elements of art to create visually successful compositions as well as communicate ideas. Students will create two-dimensional as well as three-dimensional art while exploring different cultures, art history and art making styles.				
8000	Exploratory Art 8	1 semester	8	
Eighth grade students will implement and practice their knowledge of the elements of art and the principals of design to create visually interesting compositions and effectively communicate thoughts, ideas and opinions. Students will explore a variety of art media in both two-dimensional and three-dimensional form as well as gain more understanding of how art influences culture, history and everyday life.				
8035	Advanced Art	1 semester	8	
Prerequisite: administrative approval This class is designed for students who have a strong interest in and dedication to the visual arts. A variety of media will be explored in depth including, but not limited to clay, drawing, and painting. Some art projects will be self-directed, fueled by the students' own interests with research in art history, cultures, and contemporary art.				
010	Art I	2 semesters	2 credits	9 – 12
Successful completion of this entire course (010A and 010B) is required for all other art classes. This class is an introductory class. Students will be taught techniques to improve drawing abilities and be introduced to a variety of materials used for art expression.				
010A Students will learn the elements of art and principles of design. (VPA) 010B Students will apply art elements and principles of design in a variety of ways. (VPA)				
020	Two-Dimensional Art	2 semesters	2 credits	10 – 12
Prerequisite: 010 A&B This class is a study of two-dimensional art, which may include drawing, painting, and printmaking. This is intended for students interested in exploring these areas as well as serious art students who should take this 2 semester class to begin developing portfolio work. All art portfolios require 2-dimensional pieces of work. (VPA)				

Course Offerings

Art Department

030	Pottery	*1 semester	1 credit	10 – 12
Prerequisite: 010				
This class is a study of functional pottery. Students will learn the various hand-building techniques as well as using the potter's wheel. Glazing and decorating techniques will also be pursued. Students will be responsible for the cost of project materials. (VPA)				
031	Sculpture	*1 semester	1 credit	10 – 12
Prerequisite: 010				
This class is a study of three-dimensional art media. Students may sculpt in paper, plaster, wire, paper mache, and clay. Wood and stone are options for advanced students. Students will be responsible for the cost of project materials. (VPA)				
040	Commercial Art	2 semesters	2 credits	10 – 12
Prerequisite: 010, 020 strongly recommended				
This class covers a broad spectrum of career applications in the field of commercial art, which will focus on advertising and may include computer graphics and digital photography. Students will be responsible for the cost of project materials. (VPA)				
041	Advanced Commercial Art	1 semester	1 credit	10 – 12
Prerequisite: 010, 040				
This class is for Commercial Art students that would like a more in-depth study in an area of commercial art. Projects will focus on advertising and may include computer graphics. (VPA)				
050	Studio Art	*1 semester	*1 credit	11 – 12
Prerequisite: 010, 020 and administrative approval				
The student electing studio art must have a genuine interest and ability in a specialized art area. Each student will be responsible for setting goals with approval and guidance from the instructor. Art portfolio development will be a prime focus. (VPA)				
*This course may be repeated up to 4 semesters for Art credit with instructor approval.				
052	AP Studio Art	2 semesters	2 credits	11 – 12
Prerequisite: 010, 020, 050 and administrative approval				
The student electing this class must be a highly motivated in order to facilitate portfolio completion and submission. Students will follow course guidelines developed and published by the College Board. Fees and costs pertinent to portfolio entry will be the student's responsibility. This is a rigorous college-level class that prepares the student to take the Advanced Placement Studio Art exam. (VPA)				

Course Offerings Business/Computer Department

7155	Technology for Life	1 semester	7
<p>This class is based on a problem-solving hands-on modular curriculum. Students are exposed to various types of career paths and the implications for using technology. There are 20 different modules that the students choose from: Flight Simulation, Video Production, Space and Rocketry, Computer Aided Design, Computer Graphic Design, Animation, Engineering and Stress Analysis, CO2 Raceway, Meteorology and Forecasting, Biotechnology, Residential Plumbing, Radio Broadcasting, Auto Exploration, Alternative Energy, Child Development and Child Care, Fabrics and Fashion, Food Science and Services, Living Spaces, Residential Electrical Wiring, and Computer Numerical Control (CNCV): Lathe.</p>			
8151	Technology for Life	1 semester	8
<p>This class is based on a problem-solving hands-on modular curriculum. Students are exposed to various types of career paths and the implications for using technology. There are 20 different modules that the students choose from: Flight Simulation, Video Production, Space and Rocketry, Computer Aided Design, Computer Graphic Design, Animation, Engineering and Stress Analysis, CO2 Raceway, Meteorology and Forecasting, Biotechnology, Residential Plumbing, Radio Broadcasting, Auto Exploration, Alternative Energy, Child Development and Child Care, Fabrics and Fashion, Food Science and Services, Living Spaces, Residential Electrical Wiring, and Computer Numerical Control (CNCV): Lathe.</p>			
M450	Intro to Engineering & Design	1 semester	8
<p>This class will provide an introduction to engineering by briefly exploring the history of engineering and famous engineers. With many hands on activities and labs, students will learn basic physics concepts and will apply these concepts in a final design project.</p>			
100	Introduction to Business	1 semester	1 credit 9 – 12
<p>This class is designed to introduce students to the American marketing system. Students will investigate the various elements of the marketing mix and how each element contributes to the success and satisfaction of both consumers and businesses. Throughout this study, students will be exposed to various market structures and strategies employed to move massive amounts of goods and services from the producers to the consumers across the country and around the world. Finally, students will discover many exciting career opportunities available throughout the system.</p>			
102	Personal Money Management	1 semester	1 credit 9 – 12
<p>This class is designed to introduce personal money management topics to students. Ideas such as budgeting, investing, insurance and preparing for the future will be covered. Students will learn about money and banking, risk management, and personal finance. Students will learn how to manage their own money and how to become a wise and intelligent consumer in the marketplace. This is a must take class for anyone that wants a career in business or just wants to learn how to manage their own personal business affairs. (MathR)</p>			
115 A	Accounting I A	1 semester	1 credits 10 – 12 (*9 w/approval)
<p>Accounting is designed to help students understand the financial aspects of their personal and professional lives. This course introduces students to basic bookkeeping/accounting theory and practices and will give students a better insight into the many financial career opportunities that the business world offers. This class will provide students many important ideas for personal money management. (MathR)</p>			

Course Offerings Business/Computer Department

115 B	Accounting I B	1 semester	1 credit	10 – 12 (*9 w/approval)
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Prerequisite: 115A

This course expands the student's knowledge to basic bookkeeping/accounting theory and practices for a merchandising partnership. It will give students a better insight into the many financial career opportunities that the business world offers, as well as personal money management tips. (MathR)

116 A	Accounting II A	1 semester	1 credit	10 – 12
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Prerequisite: 115A & 115B

This course continues the accounting knowledge students need to learn basic bookkeeping/accounting theory and practices for a merchandising business organized as a corporation. It will certainly give students a better insight into the many financial career opportunities that the business world offers. (MathR)

116 B	Accounting II B	1 semester	1 credit	10 – 12
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Prerequisite: 116 A

This course continues the accounting sequence. It emphasized advanced accounting methods for a corporation with different departments. Journalizing, inventory control and business reports are covered in detail. Students will be introduced to automated accounting programs and will do an accounting simulation. This course is designed to better prepare the student for business programs in college as well as future employment in the world of business. (MathR)

120	Building Wealth	1 semester	1 credit	10 – 12
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Building Wealth is a course designed for students who recognize the importance of preparing for lifetime personal economic independence, stability, and security. This class focuses on direct investment in the stock market set against the backdrop of a broad discussion of investment opportunities. Students should develop enough basic investment knowledge to understand the need for diversified investments, the value of investing regularly and for the long run, and the importance of beginning to invest at an early age. (MathR)

132 A	Marketing/Entrepreneurship I	1 semester	1 credit	10 – 12
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Marketing is the process by which business people try to determine what various consumers need and want and then figure out the best way to satisfy those needs and wants with products and services. Entrepreneurship is the process of creating, developing, and operating a small business enterprise. The course is designed to give students insights and experiences in moving a business dream from idea to reality. This class is a course of study designed to help prepare students for entry-level careers in many fields of business and marketing. Students will develop an understanding of the basic marketing foundations and functions. Topics of investigation will include: developing an understanding of entrepreneurship, understanding the relationship of entrepreneurship to the economy, and researching and planning a new business venture. Students will be expected to run a student directed school store.

132 B	Marketing/Entrepreneurship II	1 semester	1 credit	10 – 12
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Prerequisite: 132 A

This course is a continuation of Marketing/Entrepreneurship 132. Students will expand on their knowledge of the functions of marketing and entrepreneurship. Topics will include managing marketing strategies, managing business processes, managing business finances, and growing the business. Students will be expected to run and operate the school store.

Course Offerings Business/Computer Department

137	Sports and Entertainment Marketing	1 semester	1 credit	10 – 12
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Prerequisite: 133

Sports and Entertainment Marketing is a unique and innovative course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. This course is based upon the Marketing Education framework that includes basic business, management and marketing foundations. Emphasis is placed upon the functions of financing, marketing information management; pricing, product/service management, promotion and selling. A significant portion of this program will include hands-on learning throughout student-developed activities to meet course goals.

139	Business Math	1 semester	1 credit	12
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Business Math is a course that helps students understand mathematics in the context of business and personal finance. Students will gain the knowledge and skills to manage their own finances and use math in everyday business and personal situations. (MathR)

140	Word Processing I	1 semester	1 credit	9 – 12
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This course emphasizes the “touch” method of keyboarding which will lead to higher speeds and accuracy. Students will learn how to use proper keyboarding techniques and learn some basic formatting skills to prepare reports, letters and centering problems for personal, college and professional use.

145	Word Processing II	1 semester	1 credit	9 – 12
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Prerequisite: 140

This course will allow students to improve their touch-typing skills, improve their technique, speed and accuracy. Students will learn professional formatting skills for letters, envelopes, resumes, centering, reports, notes, memorandums and many other business forms.

150	Computer Apps for Personal Use	1 semester	1 credit	9 – 12
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This is a “must have” course for all students to prepare them with actual skills needed for their personal, school, and workplace use of computers. This course is an introduction to Windows XP and real world application software for Word Processing, Spreadsheets, Mail Merge, Graphics, and their features. The student will gain a working knowledge of software and be able to apply them to their own personal, college, and career uses. This is a hands-on, project based introductory course for using computer software and features of this software that most students would find useful.

151	Computer Apps for Desktop Publishing	1 semester	1 credit	9 – 12
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This class introduces the student to computer application concepts in the use of graphics, fonts, color, and the placement of text for a variety of documents. Innovative Desktop Publishing software is used as the student turns the computer into their own publishing tool to create attractive design layouts for brochures, newsletters, certificates, banners, 3-D calendars, flip-calendars, posters, business cards, photo cubes, and many other non-typical documents that many people find useful in their personal, school, and workplace lives. Students learn Microsoft Office 2007 Suite Desktop Publishing software not often used by others their age. This class will use the Internet, digital cameras, and scanners for assisting in producing documents. (VPA)

Course Offerings Business/Computer Department

153	Multimedia Production	1 semester	1 credit	9 – 12
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This course will give students real world application skills to utilize multimedia software and their features. The course is designed to be hands-on and project-based, giving students exposure to a variety of technology platforms for multimedia applications including opportunities for work in stop-motion animation, video editing, and widely utilized presentation platforms such as MS PowerPoint and Prezi. (VPA)

157	Web Authoring/Basic Programming	1 semester	1 credit	10 – 12
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Prerequisite: administrative approval

This class will expose students to basic programming languages. Good program structure and problem solving will be stressed. Topics include using data, attraction outputs, interactive programming, graphics, loops, and sorting. Programming skill sets will be used in the creation and maintenance of web page. Web page developmental processes will include graphical interfacing, animation, and sound effects. Learning proper page design and organization will be emphasized.

160	Photo Editing	1 semester	1 credit	9 – 12
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Students will learn the tools and applications of the amazing Adobe Photoshop program and apply the elements and principles of design in their work. Proper photo editing techniques, coloring, toning, and creative editing will be emphasized in this course. (VPA)

162	Photo Editing II	1 semester	1 credit	9 – 12
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Prerequisite: 160

Students will learn advanced creative photo altering, photo correction, and preparation of image/documents for a variety of uses. Photo Editing II will utilize your higher level thinking skills. As with Photo Editing, you'll be amazed with what you can do with this software! (VPA)

171	Information Technology	1 semester	1 credit	9 – 12
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In this course, we introduce students to the knowledge base and technical skills that will help them to successfully compete for jobs within the Information Technology Career. Lessons are structured so that students learn and then demonstrate not only critical assessment and analytic skills, but also interpersonal skills that are valued so highly among IT employers. We explore a range of career tracks that include network engineers, application/programming developers, and systems analysts. These career paths are described in depth, discussing typical job responsibilities, educational and licensure, requirements, working conditions, and job outlooks.

Course Offerings

English Department

The goal of English Language Arts is to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. In English Language Arts students will experience the various genres of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school. The courses focus on reading, writing, speaking, and listening. The necessary components of each area are emphasized, including grammar, usage, sentence structure, vocabulary, and critical thinking. Thematic units introduce the students to a variety of literary forms.

Each grade level offers a variety of course sequences that address the expectations set forth in the 2006 Michigan Merit Curriculum Course Credit Requirements:

English— These courses are for students who desire a strong background in various literary genre and writing formats. This sequence provides an excellent foundation for post-secondary education and career pursuits.

Advanced Placement English--These courses are for 11th and 12th grade students who excel in Language Arts and plan to take the Advanced Placement tests. The courses offer in-depth study requiring students to do more work independently and outside of school (including a pre-course reading list).

6210	English 6	2 semesters	6
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Sixth grade English Language Arts (ELA) develops and strengthens students' abilities in reading, writing, speaking, listening and viewing. Students will increase their abilities to comprehend, analyze, and synthesize information and improve reading ability through the study of narrative and informational text within genres including adventure/action, fantasy/folklore, poetry, personal narratives/essays, comparative essays, and research papers. Additionally, through the use of a writer's workshop format, students will become more proficient writers as they practice the skills necessary to write in both narrative and informational forms including personal narratives/essays, genre specific (see above), and research projects. A prime component of the writer's workshop will include lessons with word study, grammar, spelling, presentation skills, and personal style.

6230	Literacy 6	2 semesters (rotating day)	6
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The goal of Literacy 6 is to support students with the transition from narrative to informational reading experienced in middle and high school. This course will provide students with the skills necessary to read and comprehend increasingly complex expository text. Through text-mapping and practice of asking and answering text-dependent questions, students will explore and be able to identify a variety of text structures to become more proficient in content-area reading. Students will also build academic vocabulary by understanding key base/root words and affixes. Finally, students will learn and practice keyboarding skills to improve speed and document accuracy.

Course Offerings

English Department

7210	English 7	2 semesters	7
<p>7th grade English begins to emphasize a more critical analysis of the various texts and messages that students will encounter. Students will continue to develop their reading skills through word study and the exploration/analysis of narrative and informational text, including genre studies in legends, mysteries, poetry, autobiographies, memoir, drama, myths and persuasive essays. In addition to reading comprehension, students will practice the skills necessary to write in various narrative forms, impromptu essays, and research projects. Continued language development, including style conventions, grammatical structures, and spelling will be taught within the context of student writing. This course will also provide skill development and practice in speaking and listening skills, and may include participation in small and whole group presentations.</p>			
7230	Composition 7	2 semesters	7
<p>The outcome of Composition 7 is to provide a solid foundation in expository text structures and terminology. Students will use the writing process to compose argumentative, compare/contrast, problem/solution, and other essays using credible sources to support the writer's claim. Students will also practice writing on demand with time constraints for specific purposes and audiences. The overall goal of the course is to prepare students for the academic writing expected in upper grades, high school, and college.</p>			
8221	English 8	2 semesters	8
<p>8th grade English expands the development of literacy skills and critical reading necessary for high school success. Students will read, discuss, and analyze narrative and informational text, including genre studies in realistic fiction, science fiction, poetry, technical writing, and persuasion. In addition to class and independent reading, students will continue to write in various narrative and expository forms, essays, and research projects. Student writing at this level will exhibit a deeper understanding of genre features and organization. Continued language development, including style conventions, and grammatical structures will be taught within the context of student writing. This course will also provide skill development and practice in speaking and listening skills.</p>			
7222	SpringBoard English 7	2 semesters	7
<p>Springboard English 7 is the College Board's official Pre-AP program, developed to provide a roadmap for attaining the knowledge and skills students require for success in Advanced Placement courses and in college-level work.</p>			
8222	SpringBoard English 8	2 semesters	8
<p>Springboard English 8 is the College Board's official Pre-AP program, developed to provide a roadmap for attaining the knowledge and skills students require for success in Advanced Placement courses and in college-level work.</p>			
6235, 7235, 8235	Reading Intervention	1 semester	6 – 8
<p>This course teaches the reading strategies essential to improving students' reading proficiency in a small group setting with the ultimate goal of improving students' ability to comprehend text.</p>			

Course Offerings

English Department

8245	Theatre Arts	1 semester	8	
<p>Students will learn to discover the joy of theatre through interactive games. In a series of lecture & workshop students will have the opportunity to work collaboratively and demonstrate acting skills. Some experiences may include: pantomime, improvisation, scene works, and scene writing. Experiences will include: Commedia Del' Arte and audition techniques.</p>				
230	SpringBoard English 9	2 semesters	2 credits	8 – 9
<p>Springboard English 9 is the College Board's official Pre-AP program, developed to provide a roadmap for attaining the knowledge and skills students require for success in Advanced Placement courses and in college-level work. (NCAA)</p>				
220	English 9	2 semesters	2 credits	8 – 9
<p>This course is designed to provide students with a strong background in various literary genre and writing formats which provides an excellent foundation for post-secondary education and career pursuits. This course emphasizes short stories, fiction, classic Greek literature, Shakespearean drama and contemporary literature while continuously focusing on the themes and essential questions connected to Inter-Relationships and Self-Reliance. (NCAA)</p>				
231	SpringBoard English 10	2 semesters	2 credits	9 – 10
<p>This course is designed with a focus on the common core curriculum and is taught with SpringBoard curriculum and textbooks. SpringBoard is the College Board's official Pre-AP program, developed to provide a roadmap for attaining the knowledge and skills students require for success in Advanced Placement courses and in college-level work. Skills focused on will include close reading, analysis, and response to fiction and non-fiction texts. Assessments will include formative and summative assessments as well as various written components. (NCAA)</p>				
221	English 10	2 semesters	2 credits	10 – 11
<p>This course is designed with a focus on Critical Response and Stance which provides an excellent foundation for post-secondary education. This course emphasizes dramatic literature and focuses on responding to critical issues in society, non-fiction and satire. Students will write several essays, some of which include research components. (NCAA)</p>				
263	SpringBoard English 11	2 semesters	2 credits	10 – 11
<p>This course is designed with a focus on the common core curriculum and is taught with SpringBoard curriculum and textbooks. SpringBoard is the College Board's official Pre-AP program, developed to provide a roadmap for attaining the knowledge and skills students require for success in Advanced Placement courses and in college-level work. Skills focused on will include close reading, analysis, and response to fiction and non-fiction texts. The thematic focus of the year is the American Dream and Journey. Assessments will include formative and summative assessments as well as various written components. (NCAA)</p>				
222	English 11	2 semesters	2 credits	10 – 11
<p>This course is for students who desire a strong background in various literary genre and writing formats. This sequence provides an excellent background for post-secondary education. This year focuses upon Transformational Thinking and emphasizes various American literature themes, genre, drama, composition, persuasion and research. (NCAA)</p>				

Course Offerings

English Department

223	*English 12	2 semesters	2 credits	12
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***MMC online learning requirement is met in this course.**

This course is designed with a focus on Leadership. This sequence provides an excellent foundation for post-secondary education. Students in this course will complete research that shows evidence of leadership skills. (NCAA)

This Senior Capstone is required of all students NOT enrolled in AP Literature / Composition in the senior year. Two hour block of instruction fulfills MMC English senior year requirement in addition to one of the following as chosen by the student:

- Physics
- Senior Math-Related
- Elective

Students will also be asked to identify their career pathway to help guide their course of study throughout the experience.

The Senior Capstone is a unique course designed to provide students with a rich learning experience that will emphasize 21st century skills required in a competitive global workplace. Collaboration, creativity, problem solving, and time management will be emphasized in a truly cross-curricular learning environment with emphasis on the future career and higher education goals of students in the course. Work in the class will be largely project-based, with students using skills to complete group and independent projects with guidance from teachers facilitating the experience. Technology integration will also be a key component of the course, with the vast majority of research, writing, reflection, and other work taking place in an online, paperless environment. Projects will become increasingly less structured as the year progresses, with student voice in the conception and creation of projects becoming the driving force. The course will culminate in fully independently designed projects and/or completion of a local internship in an area of student interest.

232	AP English Language & Composition	2 semesters	2 credits	11
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The purpose of this course is to provide students with a first-year college-level course designed to help students become skilled readers and writers using rhetorical conventions as they learn skills of the art of analysis and argument. Students are expected to be proficient, but learn to become more proficient, in the reading and writing of Standard English. This course incorporates primarily non-fictional selections along with fiction of American authors. Students will utilize different strategies of analysis as they learn to examine texts through close reading. Many forms of formal and informal writing pieces based upon readings in and out of class will be composed. The student writer will learn to focus upon rhetoric, voice, content, organization, vocabulary and audience as a natural part of the writing process. This course will focus on the Modern Language Association (MLA) citation procedures for evidence and analysis. (NCAA)

Course Offerings

English Department

233	AP English Literature & Composition	2 semesters	2 credits	12
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***MMC online learning requirement is met in this course.**

This course is designed for students who excel in language arts and plan to take the Advanced Placement exam. It includes a College Board approved curriculum in conjunction with a focus on Leadership. This sequence provides an excellent foundation for post-secondary education and career pursuits. This course emphasizes British and World literature. Students will focus on the intense study and analysis of literature and refine their writing through vast opportunities for revision. This course is used to meet the MMC requirement. Successful completion of all areas is needed to meet the MMC requirement in content area which includes: the college essay, short stories, literary elements, the study of the novel, the senior project or research paper, the study of drama, the study of poetry, and test preparation. (NCAA)

234	AP Seminar	2 semesters	2 credits	11
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Prerequisite: administrative approval⁴⁵

This foundational course, typically taken in grade 11, provides students with opportunities to think critically and creatively, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media. Students explore real-world issues through a cross-curricular lens and consider multiple points of view to develop deep understanding of complex issues as they make connections between these issues and their own lives. Students read articles, research studies, and foundational and philosophical texts; listen to and view speeches, broadcasts, and personal accounts; and explore artistic and literary works to gain a rich appreciation and understanding of issues.

Students, in collaboration with teachers, have the flexibility to choose appropriate themes that allow for deep exploration based on student interests, local and/or civic issues, global or international topics, and concepts from other AP courses.

239	AP Research	2 semesters	2 credits	12
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Prerequisite: Students must complete the AP Seminar course before taking AP Research.

This course may be used to fulfill the Senior English requirement.

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a yearlong mentored, research-based investigation to address a specific question.

In the AP Research course, students further develop the skills acquired in the AP Seminar course by learning about and understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic thesis paper of approximately 5,000 words and a presentation, performance, or exhibition with an oral defense. Students will be assessed on the research process; academic thesis paper; public presentation, performance, or exhibition; oral defense of research and presentation.

Students may earn the AP Seminar and Research Certificate at graduation if courses are successfully completed and qualifying scores are earned. Additionally, students may also pursue the AP Capstone Diploma, which is earned if the student earns qualifying scores in the following: AP Capstone course and exam; AP Research course and exam; four additional AP courses and exams throughout high school.

Course Offerings

English Department

240	Speech Communications	1 semester	1 credit	9 – 12
<p>This is a challenging course which will teach students how to create and deliver diverse types of speeches and learn public speaking at a mass media level of performance. Skills in logical thinking, note taking, problem solving, group dynamics behind the scenes media production, and leadership will be developed. This course may be taken once for elective credit. (VPA) (NCAA)</p>				
241	Argumentation & Debate	1 semester	1 credit	10 – 12
<p>Prerequisite: 240</p> <p>This is a fast-paced course in which students will learn how to influence people and present winning points of view. A variety of class activities including short speeches, group discussions, panel discussions and debates will be employed. (This course does not fulfill English graduation requirement.) (VPA) (NCAA)</p>				
243	Drama Literature	1 semester	1 credit	10 – 12
<p>This course allows students to study the different types of playwrights and their plays. Students will learn this genre of literature through the study of a variety of plays. They will also write and perform their own plays. (This course does not fulfill English graduation requirement.) (NCAA)</p>				
244	Intro. to Contemporary Literature	1 semester	1 credit	9 – 10
<p>Introduction to Contemporary Literature is an elective class for students interested in developing a lifelong relationship with books. Students will explore and broaden their knowledge of different genres of novels, while improving their reading comprehension. Students will work on writing and discussion skills, as well as using technology to enhance literacy. This class is recommended for the voracious reader as well as the timid reader seeking to try out new books. The class is for one semester.</p>				
245	Contemporary American Literature	1 semester	1 credit	11 – 12
<p>This course is for students who enjoy reading as well as discussing and writing about literature. Students will read contemporary popular fiction and memoir. This counts as an elective credit, not an English credit. (NCAA)</p>				
250	American Film Study	1 semester	1 credit	11 – 12
<p>American Film is a twelve-week course designed to give students exposure to a varying degree of movies. Students will study film from its invention through the current day. This is therefore a survey class, designed to give students a broad overview of the material with opportunities to focus studies on specific content of their choice. Students will view film both in class and independently, and will have the opportunity to write both formally and informally about film. Any student who enrolls in this class will be expected to have internet access in order to complete the required online experience associated with the class.</p>				
252AD	Creative Writing	1 semester	1 credit	9 – 12
<p>This course will encourage students to develop creative approaches to writing poetry and prose. While the class includes reading, there is a heavy emphasis on writing. Students will be asked to workshop, publish, and present their writing. Topics may include rhythm, rhyme, point of view, memoir, fantasy, science fiction, imagery, figurative language, form, mystery, horror, and realistic fiction. Students will leave the class with a portfolio of their stories and poems. Students will also have an opportunity to learn about and write in genres of their own choice. (VPA)</p>				

Course Offerings

English Department

252BD Creative Writing Introduction	1 semester	1 credit	6 – 9
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This course will encourage students to develop creative approaches to writing poetry and prose. While the class includes reading, there is a heavy emphasis on writing. Students will be asked to workshop, publish, and present their writing. Topics may include rhythm, rhyme, point of view, memoir, fantasy, science fiction, imagery, figurative language, form, mystery, horror, and realistic fiction. Students will leave the class with a portfolio of their stories and poems. Students will also have an opportunity to learn about and write in genres of their own choice. (VPA)

253 Mythology	1 semester	1 credit	10 – 12
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This course will delve deeply into the myriad mythologies that lend references to our literary culture today. Students will explore past and contemporary myth systems through literature and film. They will also create hands on projects. (NCAA)

267D Literacy Intervention	1 semester	1 credit	9 – 11
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This course is by counselor/teacher recommendation only.

275 Holocaust and Middle East Literature	1 semester	1 credit	10 – 12
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This course will explore units that look at culture and genre, often incorporating historical topics. (NCAA)

- A. **Literature of the Holocaust.** This segment of the course will investigate beyond what students have studied in previous social science and English classes. It will introduce the students to the vast body of Holocaust literature after studying the historical background of Europe as affected by WWII. Students will explore the lives of people who lived during the Holocaust. Finally, other historical holocausts will be examined.
- B. **Literature of the Middle East.** This segment of the course will acquaint students with the recent history of the Middle East through both fiction and nonfiction literature. It will expose them to other cultures and remind them of the commonalities of the human condition.

Course Offerings

Family & Consumer Science

7715	Outdoor Education	1 semester	6 – 7	
<p>Students will explore outdoor activities from a variety of perspectives including recreation, sport, and survival skills. There will be an emphasis on hands-on and practical activities in survival including shelter construction, fire building, and water purification. Curriculum focus is also given to environmental education including aspects of hunting, fishing, and trapping. In addition, students may participate in various games and activities designed for an outdoor environment.</p>				
8865	Outdoor Education	1 semester	8	
<p>Students will explore outdoor activities from a variety of perspectives including recreation, sport, and survival skills. There will be an emphasis on hands-on and practical activities in survival including shelter construction, fire building, and water purification. Curriculum focus is also given to environmental education including aspects of hunting, fishing, and trapping. In addition, students may participate in various games and activities designed for an outdoor environment.</p>				
450	Clothing Construction	1 semester	1 credit	9 – 12
<p>This course teaches the basics of sewing and clothing construction. Skills will be taught as students make a minimum of two garments to enhance their own wardrobe. (VPA) Note: Students are responsible for purchasing their own supplies.</p>				
451	Clothing Construction II	1 semester	1 credit	9 – 12
<p>Prerequisite: 450 and/or administrative approval. (VPA) Students will gain additional skills in clothing construction. They will also participate in a design project. Note: Students are responsible for purchasing their own supplies.</p>				
455	Foods and Nutrition	1 semester	1 credit	9 – 12
<p>Food preparation basics and the nutritional needs of the body will be studied. Various descriptions of different food selections are discussed, demonstrated and prepared.</p>				
457	Foods and Nutrition II	1 semester	1 credit	9 – 12
<p>Prerequisite: 455 and/or administrative approval Students will continue with their study at cooking techniques and basic nutrition. Plating, presentation, meal planning, self-evaluation, and peer-evaluation will be included.</p>				
468	Child Development I	1 semester	1 credit	9 – 12
<p>A child's physical, mental, social and emotional development from conception to age three will be studied. Risks associated with prenatal development, parenting skills, day care, safety and current issues are also covered.</p>				
469	Child Development II	1 semester	1 credit	11 – 12
<p>This course is designed for junior and senior level students who express an interest in child development, psychology or other related career fields. This course will cover theories of child development, family structures, parenting responsibilities, birth defects, parenting styles and the basics of caring for children from pregnancy through the school years.</p>				

Course Offerings

Family & Consumer Science

461	Family Living	1 semester	1 credit	9 – 12
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This course examines the family structure from adolescence through the death of a spouse. Areas of emphasis include communication skills, dating, love, marriage, crises in marriage, plus human sexual development and information related to family planning and life-styles.

470	Consumer Education	1 semester	1 credit	9 – 12
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A course related to the economic needs and planning for individuals. Topics such as budgeting, traveling, insurance, banking, household setup, accessing medical attention, taxes and financing will be discussed. (MathR)

Course Offerings

Industrial Technology Dept

400	Woods I	2 semesters	2 credits	9 – 12
A basic woodworking course with emphasis on hand tool use and care. Some power woodworking machinery is covered. Emphasis on use, care and safety. (VPA) (MathR) *Students will be responsible for the cost of project materials.				
401	Woods II	2 semesters	2 credits	10 – 12
Prerequisite: 400 and/or administrative approval An advanced woodworking course emphasizing use, care and safe operation of all power woodworking machinery. (VPA)(MathR) *Students will be responsible for the cost of project materials.				
402	Woods III	2 semesters	2 credits	11 – 12
Prerequisite: 401 and/or administrative approval The most advanced woodworking course, teaching furniture-making skill and techniques. (VPA)(MathR) *Students will be responsible for the cost of project materials.				
403	Woodworking Techniques	2 semesters	2 credits	11 – 12
Prerequisite: 402 and/or administrative approval This course will allow students to do an in-depth study of a woodworking area of interest to them. Students will explore, research, and do a hands-on study of topics such as woodturning, woodcarving and sculpture, bending, veneer work, and other topics. (VPA) *Students will be responsible for the cost of project materials.				
410	Metals I	2 semesters	2 credits	9 – 12
Basic metalworking courses covering metals and their properties, bench metalworking, hand tool uses, basic machine use and basic gas and arc welding principles. Students will complete approved projects. (VPA, MathR) *Students will be responsible for the cost of project materials.				
411	Metals II	2 semesters	2 credits	10 – 12
Prerequisite: 410 and/or administrative approval An advanced metal working course with a concentration on advanced welding and metal machining skills, as well as project completion related to advanced applications. (VPA, MathR) *Students will be responsible for the cost of project materials.				
412	Metals III	2 semesters	2 credits	11 – 12
Prerequisite: 411 and/or administrative approval This is the most advanced metal course teaching advanced machining and casting. (VPA, MathR) *Students will be responsible for the cost of project materials.				
420	Small Engine Repair	1 semester	1 credit	9 – 12
A laboratory approach to the repair of two- and four-stroke gasoline engines, with special emphasis on diagnosing problems, repairing, and maintaining small engines. Theory related to modern fuel sources and gasoline alternatives will be covered.				

Course Offerings

Industrial Technology Dept

421	Basic Electricity	1 semester	1 credit	9 – 12
A basic course in residential electricity and electronics. Students will cover basic residential wiring theories in practical laboratory activities related to household wiring. Students will also cover basic electronic theories in laboratory activities related to common electronic circuitry present in common everyday devices. Practical tool use, repair, and job fields/opportunities for electrical and electronic work will also be covered in this course.				
422	Electronics	1 semester	1 credit	10 – 12
Prerequisite: 421				
This course is an exploration course that is designed to give a student the opportunity to discover some of the exciting areas of electronics. Student will be given instruction and hands-on experiences in: basic electronic circuitry, introduction to robotic circuits and operation, solar energy exploration, and magnetism and motor exploration. Student will build skills in circuit reading and writing, electronic component identification and proper usage, and basic soldering techniques.				
430	Drafting I	2 semesters	2 credits	9 – 12
A basic drafting course covering the principles of mechanical drawing. (VPA) (MathR)				
431	Advanced Mechanical Drafting	2 semesters	2 credits	10 – 12
Prerequisite: 430 and/or administrative approval				
An advanced drafting course, students should expect to complete projects using advanced level skills, resources, and techniques. This course may include an introduction and transition to computer-aided design (CAD) in 2D. (VPA)				
432	Architectural Drafting	2 semesters	2 credits	10 – 12
Prerequisite: 430 and/or administrative approval				
An architectural drafting course in which students will be exposed to both residential and commercial construction. Students will be required to complete projects using advanced level skills, resources, and techniques. This course may include an introduction to computer-aided design (CAD) in 2D. (VPA)				
433	Drafting- Independent Study	2 semesters	2 credits	11 – 12
Prerequisite: 430, 431 or 432, and/or administrative approval				
Students will complete advanced projects in 2D using computer aided design (CAD) software. This course will be individually designed for each student to reflect the specific area of interest (mechanical or architectural). (VPA)				

Course Offerings

Math Department

It is strongly recommended that all students in Algebra I and higher own a graphing calculator. TI83 plus, TI84 plus, or TI84 plus silver are suggested.

Math – Related Credit

All courses contained in the Math Department meet the criteria for math-related MMC credit.

*Students interested in advancing beyond their grade level course must meet specific criteria in order to do so. See counseling office for the specific requirements for advancement.

6522	Math 6	2 semesters	6
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This course is designed to cover essential concepts of sixth grade common core standards to prepare learners for Math 7. Throughout this course students will receive a basic introduction to algebra through writing, interpreting, applying and solving mathematical expressions and equations. Students will increase their understanding of rational number operations. In addition, students will study geometry, describing 3-dimensional shapes and their properties.

7522	Math 7	2 semesters	*6 – 7
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This course is designed to cover essential concepts of seventh grade common core standards to prepare learners for Math 8. This course builds on Math 6 concepts. Students will master real numbers and similarity, and be introduced to algebraic expression and equations, linear functions, fundamental geometry tools, and probability and statistics. Throughout this course students will use manipulatives, cooperative learning structures, and multi-media technologies to gain a better understanding of key seventh grade concepts.

7555	Amusement Park Math	1 semester	7
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Have you ever wanted to design your own rollercoaster or amusement park? This elective course will allow you to not only design your own park and rollercoasters, but also manage your park. You will make decisions on operating hours, costs, and concessions to make your amusement park a success. Additional 7th grade standards are reinforced and practiced as they relate to rollercoaster data.

8522	Math 8	2 semesters	*6 – 8
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Students will engage in lessons designed to obtain understanding of common core standards aligned with eighth grade level mathematics expectations. This course is designed for students on grade level expectations and preparing for entry into algebra I. Students will use manipulatives, graphing calculators, cooperative learning structures, and multi-media technologies to gain a better understanding of eighth grade pre-algebra common core standards. Topics covered include real numbers, algebraic expressions and equations, an introduction to linear functions, fundamental geometry tools, and an introduction to probability and statistics.

6540, 7540, 8540	Math Plus	1 semester	6 – 8
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Students will be engaged in lessons designed to increase understanding of mathematical concepts. Number sense, acquisition of basic facts, and cognitive thinking skills are learning targets for this class. Computers, flash cards, hands-on activities, and small group instruction will be utilized to help students develop skills necessary to be successful in the general education mathematics curriculum.

Course Offerings

Math Department

530	Algebra I	2 semesters	2 credits	*6 – 9
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530A This course contains content in the following areas – rules of operations, properties of numbers, evaluating and simplifying algebraic expressions, solving equations, and graphing linear equations, writing linear equations, graphing and solving linear inequalities. (NCAA)

530B This course contains content in the following areas – systems of equations and inequalities, properties of exponents, operations of polynomials, factoring and solving polynomials, quadratic equations and functions, simplifying radicals. (NCAA)

533	Geometry	2 semesters	2 credits	*7 – 10
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Prerequisite: 530 and/or administrative approval

533A This course contains content in the following areas: Basic geometric terms, logic, proof, triangle congruence, parallel and perpendicular lines, lines in space, Pythagorean Theorem, and special right triangles. (NCAA)

533B This course contains content in the following areas: polygons, properties of quadrilaterals, triangle similarity, trigonometric ratios, circles, areas of polygons, surface area and volume, and basic constructions. (NCAA)

532	Algebra II	2 semesters	2 credits	*8 – 12
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Prerequisite: 533 and/or administrative approval

532A This course contains content in the following areas: equations and inequalities, linear equations and inequalities, systems of linear equations and inequalities, matrices, quadratic functions, and polynomial functions. (NCAA)

532B This course contains content in the following areas: powers, roots, radicals, exponential and logarithmic functions, rational equations and functions, quadratic relations, and probability and statistics. (NCAA)

539	Honors Algebra II	2 semesters	2 credits	9 – 10
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Prerequisite: 533 and/or administrative approval

539A This course contains content in the following areas: equations and inequalities, linear equations and inequalities, systems of linear equations and inequalities, and matrices, quadratic functions, and polynomial functions. (NCAA)

539B This course contains content in the following areas: powers, roots, radicals, exponential and logarithmic functions, rational equations and functions, quadratic relations, probability and statistics, sequences and series, and conic sections. This course is accelerated in pace in preparation for students to take 542 (AP Calculus AB), 543 (AP Statistics), or 545 (AP Calculus BC) before graduation. (NCAA)

Course Offerings

Math Department

540	Probability/Statistics	2 semesters	2 credits	10 – 12
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Prerequisite: 530 and/or administrative approval

540A This is a college preparatory course that contains content in data collection and sampling techniques, data organization, graphs, central tendencies, measures of position, sample spaces, probability and counting rules, discrete probability, binomial distribution, normal distribution, central limit theorem. (NCAA)

540B This is a college preparatory course that contains content in confidence intervals, hypothesis testing, two parameter testing, correlation and regression, variance analysis, and chi-square. Students will also complete a statistical research and analysis project. (NCAA)

541	Pre-Calculus/Trigonometry	2 semesters	2 credits	10 – 12
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Prerequisite: 539 or 532 and/or administrative approval

541A This course contains the following content that prepares for calculus: graphing, analyzing, solving and transformations of functions (including exponential, logarithmic, quadratic, polynomial, and rational) inverse functions, composite functions, and complex numbers. (NCAA)

541B This course contains the following content that prepares for calculus: trigonometry equations, trigonometry identities, analytic trigonometry, law of sines, law of cosines, vectors, sequences, and series. (NCAA)

542	AP Calculus AB	2 semesters	2 credits	10 – 12
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Prerequisite: 541 and/or administrative approval

542A Students will study limits and their properties. They will learn to find derivatives using the symmetric difference quotient, power rule, chain rule, product rule, and quotient rule. They will learn to find the value of a definite integral by counting squares and the trapezoidal method. Students will study displacement, velocity and acceleration. Students will learn to find the derivative of the trigonometric and inverse trigonometric functions. They will learn to implicitly differentiate relations. Students will learn about continuity and differentiability. They will learn to find area using Riemann sums and the formal definitions of antiderivative, definite integral, and indefinite integral. Students will learn the Mean Value Theorem, Rolle's Theorem, and the Fundamental Theorem of Calculus. (NCAA)

542B Students will learn to find the antiderivative of the reciprocal function using natural logarithms. They will learn to find the derivatives of logarithmic functions. Students will learn L'Hospital's Rule and about exponential growth and decay for real world applications. They will solve differential equations using slope fields. Students will learn the calculus of plane and solid figures. They will learn about critical points, points of inflection, and relative maxima and minima. They will learn to find the area of a plan region, volume of a solid by plane slicing. Students will learn to find the length of a plan curve and the area of a surface of revolution. They will learn to solve related rate and minimal path problems. (NCAA)

Course Offerings

Math Department

543	AP Statistics	2 semesters	2 credits	11 – 12
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Prerequisite: 539 or 541 and/or administrative approval

543A Students will learn to organize data by looking for patterns and departures from patterns. They will learn to display distributions with graphs and describe distributions with numbers. They will study density curves, normal distributions, and standard normal calculations. Students will examine relationships through scatter plots, correlation and least squares regression lines. Students will model nonlinear relationships, interpret correlation and regression, and study relations in categorical data. Students will learn to produce data by designing samples and experiments, and simulating experiments. They will study probability, which includes randomness and probability models. (NCAA)

543B Students will study means and variances of random variables. They will learn about discrete and continuous random variables. They will learn about binomial and geometric distributions, sampling distributions, proportions, and means. Students will be introduced to inference by using inference for distributions, proportions, tables and regression. They will learn to estimate with confidence, use significance tests, infer for the mean of a population, and test for goodness of fit. (NCAA)

545	AP Calculus BC	2 semesters	2 credits	11 – 12
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*Calculus BC is a full-year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. AP credit earned by a passing score on the AP Calculus BC test in the spring will grant students credit in Calculus 1 and 2(+), along with a subscore of Calculus 1. (+) Dependent upon individual university policies

545A All topics in AP Calculus AB and additional topics including optimization, Euler's method, antiderivatives by substitution, antiderivatives by partial fraction decomposition, L'Hospital's rule, and improper integrals. (NCAA)

545B All topics in AP Calculus AB and additional topics including differentiation and integration of parametric, polar, and vector functions; other additional topics include: sequences, infinite series, and Taylor Series with polynomial approximation. (NCAA)

555	Algebra III with Trig	2 semesters	2 credits	11 – 12
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Prerequisite: 533 and 532 and/or administrative approval

555A This course is designed for the college bound student who is not likely to major in mathematics or science. This course also serves as a bridge to pre-calculus, for those students who are not quite ready for it. Topics include: logical reasoning, solving and graphing: linear and quadratic equations, systems of equations, and inequalities. It also includes polynomial expressions, radical expressions. (NCAA)

555B This course is designed for the college bound student who is not likely to major in mathematics or science. This course also serves as a bridge to pre-calculus, for those students who are not quite ready for it their junior year. Topics include: triangle trigonometry, circle trigonometry, exponential and logarithmic functions, combinations, and the applications of special right triangles. (NCAA)

Course Offerings

Music Department

Students enrolled in vocal or instrumental music classes will be required to participate in all concerts, festivals and other scheduled evening and weekend activities.

6600	6th Grade Band	2 semesters	6
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6th Grade band is a beginning middle school band course that meets daily for the full year. This class will continue to develop the fundamentals of playing an instrument; tone production, embouchure, posture, breath control, reading notes and rhythms and musical terms. Students will be introduced to a variety of music from classical to popular styles. They will have the opportunity to perform as a band and in small ensembles. There will be at least two performances throughout the year. Band is a year long commitment.

7601	7th Grade Band	2 semesters	7
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7th Grade band is an intermediate middle school band course that meets daily for the full year. This class will continue to develop the fundamentals of playing an instrument; tone production, embouchure, posture, breath control, reading notes and rhythms and musical terms. Students will be introduced to a variety of music from classical to popular styles. They will have the opportunity to perform as a band and in small ensembles. There will be at least two performances throughout the year. Band is a year long commitment.

8602	Concert Band	2 semesters	8
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Prerequisite: Enrollment by audition

The 8th grade Band Concert Band performs at numerous concerts throughout the year and at MSBOA Band Festivals. Emphasis is placed on the fundamentals of music performance-ear training, sight-reading, and technical development. Members of the 8th grade concert band may also participate in the high school marching band. (The marching band performs at all home varsity football games, various local parades, and festivals.) Students are also encouraged to perform at MSBOA Solo and Ensemble Festivals. (VPA)

8603	8th Grade Symphony Band	2 semesters	8
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Prerequisite: Enrollment by audition

The 8th Grade Symphonic Band performs at numerous concerts throughout the year and at MSBOA Band Festivals. Repertoire is of advanced difficulty for this age group. Members of the 8th Grade Symphonic Band may participate in the high school marching band. (The marching band performs at all home varsity football games, various local parades, and Festivals.) Students are also encouraged to perform at MSBOA Solo and Ensemble Festivals. (VPA)

603	9th Grade Concert Band	2 semesters	2 credits	9
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Prerequisite: Enrollment by audition

The 9th Grade Concert Band performs at numerous concerts throughout the year and at MSBOA Band Festivals. Emphasis is placed on the fundamentals of music performance-ear training, sight-reading, and technical development. Repertoire is of medium difficulty. Members of the 9th Grade Concert Band are encouraged to participate in the high school marching band. (The marching band performs at all home varsity football games, various local parades, and Festivals.) Students are also encouraged to perform at MSBOA Solo and Ensemble Festivals. (VPA)

Course Offerings

Music Department

604	9th Grade Symphony Band	2 semesters	2 credits	9
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Prerequisite: Enrollment by audition

The 9th Grade Symphonic Band performs at numerous concerts throughout the year and at MSBOA Band Festivals. Repertoire is of advanced difficulty for this age group. Members of the 9th Grade Symphonic Band are encouraged to participate in the high school marching band. (The marching band performs at all home varsity football games, various local parades, and Festivals.) Students are also encouraged to perform at MSBOA Solo and Ensemble Festivals. (VPA)

600	Concert Band	2 semesters	2 credits	10 – 12
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Prerequisite: Enrollment by audition

The Concert Band performs at numerous concerts throughout the year and at MSBOA Band Festivals. Emphasis is placed on the fundamentals of music performance-ear training, sight-reading, and technical development. Repertoire is of medium difficulty. Members of the Concert Band are encouraged to participate in the marching band. (The marching band performs at all home varsity football games, various local parades, and Festivals.) Students are also encouraged to perform at MSBOA Solo and Ensemble Festivals. (VPA)

601	Symphony Band	2 semesters	2 credits	10 – 12
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Prerequisite: Enrollment by audition

The Symphony Band performs numerous concerts throughout the school year and at MSBOA Band Festivals. Repertoire is of advanced difficulty, and thus, a certain level of technical proficiency is expected. Members of the Symphony Band are encouraged to participate in the Marching Band. (The Marching Band performs at all home varsity football games, various local parades, and Festivals.) Students are also encouraged to perform at MSBOA Solo and Ensemble Festivals. (VPA)

602	Jazz Band	2 semesters	2 credits	9 – 12
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Prerequisite: Enrollment by audition

This elective course is designed to develop an understanding of the nature, structure and meaning of the jazz idiom through the rehearsal and performance of advanced jazz literature. This course provides for increasing skill in jazz ensemble performance. The jazz band performs numerous concerts throughout the school year. Repertoire is of advanced difficulty, and thus, a certain level of technical proficiency is expected. Members must also be a member of the Concert or Symphony Band. Instrumentation is limited to standard 17-piece jazz band: 5 saxes, 5 trombones, 4 trumpets, and rhythm section (piano/bass/drums/guitar). Additional players are included at the discretion of the director. **Jazz Band will only be offered at zero hour.** (VPA)

605	Wind Ensemble	2 semesters	2 credits	10 – 12
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Prerequisite: Enrollment by audition

Wind Ensemble consists of the most advanced instrumentalists in the band program. Membership is by audition only. The ensemble performs numerous concerts each year. This band offers advanced students the opportunity for continued musical growth. The band strives for the highest musical standards possible and constantly seeks improvement. After school sectionals, rehearsals and performances are required. Grades are based on attitude, participation and individual performance. Students in Wind Ensemble are encouraged to take private lessons during the course of the year and participate in solo and ensemble. Members are also encouraged to participate in the Marching Band. (The Marching Band performs at all home varsity football games, various local parades, and Festivals.) (VPA)

Course Offerings

Music Department

6615	6th Grade Choir	1 - 2 semesters	6	
<p>This course will introduce students to proper singing techniques, including posture, breath management, and tone. Students will also be introduced to the basics of music reading, terminology, and sight-singing. Students will gain confidence in singing alone and with others. A variety of musical styles will be sung, in unison and two-parts, and will be performed at one concert during the year. This class is a non-auditioned group.</p>				
7607	7th Grade Choir	1 - 2 semesters	7	
<p>This course will introduce students to proper singing techniques, including posture, breath management, and tone. Students will also be introduced to the basics of music reading, terminology, and sight-singing. Students will gain confidence in singing alone and with others. A variety of musical styles will be sung, in unison and two-parts, and will be performed at one concert during the year. This class is a non-auditioned group.</p>				
8607	8th Grade Choir	2 semesters	8	
<p>This full year choir is open to 8th grade students interested in applying concepts learned in previous choirs. Students will perform at the Michigan School Vocal Music Association's Choral Festival in the spring, and perform in a minimum of three concerts during the school year.</p>				
8608	8th Grade Advanced Choir	2 semesters	8	
<p>This full year choir is open to 8th grade students interested in applying concepts learned in previous choirs in a more advanced setting, as well as perform music that is at a greater difficulty level. Students will perform at the Michigan School Vocal Music Association Choral Festival in the spring, and perform in a minimum of three concerts during the school year.</p>				
614	9th Grade Advanced Choir	2 semesters	2 credits	9
<p>This full year choir is open to 9th grade students interested in applying concepts learned in previous choirs in a more advanced setting, as well as perform music that is at a greater difficulty level. Students will perform at the Michigan School Vocal Music Association choral festival in the spring, and perform in a minimum of three concerts during the school year.</p>				
611	Choir	2 semesters	2 credits	9 – 12
<p>Choir is available for both male and female students who are interested in learning more about singing and vocal performance. Students will learn musical skills for ensemble singing, which include: proper breathing, proper vocal production, blend and balance, expansion of range, good intonation, ear training, sight-reading, and musicianship. Students are required to participate in performance opportunities, during and outside of the school day that support and extend the learning in the classroom. These performances include all major vocal music department performances and MSVMA choral festivals. Various styles of choral literature will be explored. Choir is a full year requirement. (VPA)</p>				
618 A & B	Music Exploration	2 semesters	2 credits	6 – 12
<p>Students will complete assignments in a virtual environment including listening reflections, a practice journal, introduction to the instruments of the band and orchestra, a final portfolio project, and more. This course will require hands on learning alongside virtual lessons.</p>				

Course Offerings

Music Department

610	Treble Choir	2 semesters	2 credits	10 – 12 (Female only)
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Prerequisite: Enrollment by audition

Treble Choir is designed to allow high school females, with previous ensemble experience, to participate in a formal vocal ensemble. Breathing, tone production, vocal health, and musicianship will be the focus of instruction in this ensemble. Students participating in this course should have a basic understanding of musical notation and terminology. This group studies and performs a wide variety of styles of music: classical (including a variety of foreign language texts), folk, pop, jazz, and multi-cultural. Students are required to participate in performance opportunities, during and outside of the school day that support and extend the learning in the classroom. These performances include all major vocal music department performances and MSVMA choral festivals. Treble Choir is a full year requirement. (VPA)

612	Honors Choir	2 semesters	2 credits	10 – 12
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Prerequisite: Enrollment by audition only

Honors Choir is a highly select vocal ensemble of male and female singers. An audition and recommendation from the choral director are required for admittance in this choir. Being a select group of the most talented students in the vocal music program, students will find this course to be intellectually and musically challenging. This group will study and perform complex choral literature selected from a variety of periods in music history. Advanced singing techniques, sight reading, theory, aural training, and musical dictation will be emphasized. This group participates in all major vocal music department performances, including MSVMA choral festivals. Individuals may be chosen to participate in MSVMA solo/ensemble festivals and honors choir. (VPA)

615	Music Theory and History	2 semesters	2 credits	9 – 12
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This course is designed for students who are interested in learning more about music theory and history. Part of this course will focus on music theory and continued development of reading and understanding music terminology. Another aspect of this class will focus on music history and appreciation. Students will receive knowledge and appreciation of the history of Western music beginning in Medieval times through the Renaissance, Baroque, Classical, Romantic and Contemporary periods. Students should have a basic understanding of reading music to be enrolled. (VPA)

616	Show Choir	2 semesters	2 credits	9 – 12
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Prerequisite: This course is only offered zero hour

This elective course is designed for select male and female students of various levels. Students will learn more pop and jazz based music and how to improve their voice and tone, as well as learn choreography and performance techniques. Students are required to participate in performance opportunities, during and outside of the school day that support and extend the learning in the classroom. These performances include all major vocal music department performances and MSVMA choral festivals. Show Choir is a full year requirement. **This class is only offered Zero Hour.** (VPA)

Course Offerings Physical Education/ Health Dept.

Students enrolled in physical education classes will be required to dress in gym clothes and participate each day.

6650	Physical Education 6	Full Year – Rotating Day	6
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Students will explore a variety of topics relating to physical fitness and physical activity. Students are expected to dress for class and participate each day. Numerous sports and games will be introduced with an emphasis on skills, teamwork and improvement throughout the year. Demonstrating healthy habits that promote physical fitness as well as promoting team cooperation and sportsmanship will be emphasized.

7653	Physical Education 7/Health	Full Year – Rotating Day	7
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Physical Education introduces students to team and individual activities with emphasis placed on knowledge of the sport, skills, sportsmanship, lifetime value, attitude, coordination and physical fitness. Students are evaluated on attendance, participation, skills, and written tests. Students are expected to dress for class and participate each day. The goals of health education are to help students make wise decisions pertaining to their health and to help them attain and utilize their highest potential for the betterment of self, family and community. Topics include disease prevention and control, personal health practices, nutrition, growth and development, substance use and abuse, and other related topics.

8650	8th Grade Physical Education	1 semester	8
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8th Grade Physical Education (PE) is a class based in sport and fitness. Fundamentals, rules, strategy, leadership and sportsmanship will be stressed in each sport unit. 8th grade PE sport units involve less drill and practice and more tactical strategy/games/tournaments than 6th and 7th grade PE. The physical fitness component will include regular strength training, flexibility, and cardiovascular endurance activities. At the conclusion of the semester students will be able to set and attain meaningful fitness goals. Students will value physical fitness and participate in fitness activities outside of class as a result of successful completion of 8th grade PE. This class will also serve as a bridge from 7th grade PE to 9th grade PE.

8670	Personal Fitness	1 semester	8
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This course provides students the opportunity to enhance their learning of personal fitness concepts and principles. The focus is the development of fitness knowledge, principles, strategies and skills; along with positive nutrition concepts and principles. Units of activity include physical fitness (activities will include hiking, walking, dance revolution, light strength training, aerobics, circuit training, cross country skiing); and cooperative activities which will include noncompetitive games. Technology will also be incorporated into the course through the use of heart rate monitors and DDR. Students will be expected to document their progress throughout the course.

650	Physical Education	1 semester	1 credit	9
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Emphasis in this class will be placed on introductory sports, recreational games and developing athletic skills. Daily physical fitness will be stressed with periodic assessments conducted throughout each marking period. Both physical skills tests and written tests will be administered for each sport unit. Students are expected to dress and participate with a positive attitude.

651	Health	1 semester	1 credit	9 - 12
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Health class includes the study of body systems, physical well-being, and healthful living practices.

Course Offerings Physical Education/ Health Dept.

652	Lifetime Fitness I	1 semester	1 credit	9 – 10
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This course is a personal fitness class designed for the student who prefers non-competitive sports, activities and atmosphere. Emphasis will be placed on baseline testing of one's personal fitness level and a show of improvement in 4 out of 5 aspects of healthy fitness. There will be written tests and physical skills tests over the sports and activities taught throughout the semester. The class is open to all 9th & 10th grade students who are willing to work hard to improve their level of fitness through game activity, sports, cardiovascular workouts and weight lifting. Fitness journals and weight lifting logs may be required and graded. Students are expected to dress daily and participate with a positive attitude. This class counts as a PE credit.

660	Advanced Physical Education	1 semester	1 credit	10 – 12
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Competitive team and individual sports/games/activities are stressed in Advanced PE. Physical fitness assessments, along with written and physical skills tests will be conducted each marking period. There is an opportunity to improve sport skills and overall body conditioning. Being a squad leader and captain can help develop leadership skills. This course may be repeated but not taken concurrently with 670 or 650. This course may be repeated for credit.

670	Physical Conditioning	1 semester	1 credit	10 – 12
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This course will provide students an opportunity to improve their overall physical conditioning and athletic skills to assist in reaching an individual's maximum physical potential. This will be accomplished by a variety of physical and skill related activities, tailored to meet an individual's specific needs. This course cannot be taken concurrently with 650, 660 or 661. This course may be repeated for credit.

675	Female Physical Conditioning	1 semester	1 credit	10 – 12
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This course will provide female students an opportunity to learn how to tone and sculpt their body using a variety of exercises, techniques and programs. Students will learn and apply health-related concepts, proper nutrition and physiology. Students will learn and be able to perform correct technique for numerous types of lifts and exercises. Cardiovascular conditioning will also be included as well as individual fitness assessments. This course may be repeated for credit.

Course Offerings

Science Department

In today's world, knowledge of science is necessary to better understand the world around you. It is required that students take three years of science. Classes are offered at levels of instruction parallel to the student's needs and goals.

*Students interested in advancing beyond their grade level course must meet specific criteria in order to do so. See counseling office for the specific requirements for advancement.

6700 Science 6	2 semesters	6
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This hands-on inquiry based course will focus on four science units throughout the year: Energetic Connections, The Planet Rock, Earth: Yesterday, Today & Tomorrow, and Energy in an Ecosystem.

6730 PLTW Advanced Science 6	2 semesters (2 Hour Block – Zero Hour)	6
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Students will engage in a rigorous program of coursework that includes topics currently covered in both 6th and 7th grade science classes. In addition to these regular units of study, students will also go through Foundation Units of study from Project Lead the Way (PLTW) including the following

- **Automation and Robotics (AR)**
 - Students trace the history, development, and influence of automation and robotics. They learn about mechanical systems, energy transfer, machine automation and computer control systems. Students use a robust robotics platform to design, build and program a solution to solve an existing problem.
- **Design and Modeling (DM)**
 - In this unit, students begin to recognize the value of an engineering notebook to document and capture their ideas. They are introduced to and use the design process to solve problems and understand the influence that creative and innovative design has on our lives. Students use industry standard 3D modeling software to create a virtual image of their designs and produce a portfolio to showcase their creative solutions.

7700 Science 7	2 semesters	7
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This hands-on inquiry based course will focus on four science units throughout the year: Energy Effects, Chemical Properties, Solar Energy and Cells, Cell Division and Photosynthesis.

7730 PLTW Advanced Science 7	2 semesters (2 Hour Block)	7
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Students will engage in a rigorous program of coursework that includes topics currently covered in both 7th and 8th grade science classes. In addition to these regular units of study, students will also go through Foundation Units of study from Project Lead the Way (PLTW) including the following:

- **Automation and Robotics (AR)**
 - Students trace the history, development, and influence of automation and robotics. They learn about mechanical systems, energy transfer, machine automation and computer control systems. Students use a robust robotics platform to design, build and program a solution to solve an existing problem.
- **Medical Detectives**
 - Students play the role of real-life medical detectives as they analyze genetic testing results to diagnose disease and study DNA evidence found at a "crime scene." They solve medical mysteries through hands-on projects and labs, investigate how to measure and interpret vital signs, and learn how the systems of the human body work together to maintain health.

8738 PLTW - Flight and Space	1 semester	8
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This course continues the PLTW experience and provides solid experiential science learning through inquiry for those students heavily invested in science who wish to pursue further study in high school. Students explore the science behind the aeronautics and use their knowledge to design, build, and test an airfoil. Custom-build simulations software allows students to experience space travel.

Course Offerings

Science Department

8738	PLTW - Flight and Space	1 semester	8
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This course continues the PLTW experience and provides solid experiential science learning through inquiry for those students heavily invested in science who wish to pursue further study in high school. Students explore the science behind the aeronautics and use their knowledge to design, build, and test an airfoil. Custom-build simulations software allows students to experience space travel.

8735	PLTW – Energy and the Environment	1 semester	8
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This course continues the PLTW experience and provides solid experiential science learning through inquiry for those students heavily invested in science who wish to pursue further study in high school. Students are challenged to think big and toward the future as they explore sustainable solutions to our energy needs and investigate the impact of energy on our lives and the world. They design and model alternative energy sources and evaluate options for reducing energy conservation.

8710	Science 8	2 semesters	8
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This hands-on inquiry based course will focus on the four components of Earth Science: Earth Systems, The Solid Earth, The Fluid Earth, and Earth in Space & Time.

720	Biology I	2 semesters	2 credits	*9 – 10
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A detailed study of the essential concepts of biology including cell structure and functions, cell division, reproduction and inheritance, and diversity of life, this course will provide one year of the MMC biology science requirement. (NCAA)

721	Human Anatomy/Physiology	2 semesters	2 credits	*10 – 12
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Prerequisite: 720

A detailed study of human anatomy including body orientation, histology, musculature, the skeletal system, the nervous, circulatory, digestive, respiratory, urinary and reproductive systems. Specimen dissections required for all body systems. (NCAA)

724	AP Biology	2 semesters	2 credits	11 – 12
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Prerequisite: 720 & 730

This course is designed to be the equivalent of college introductory biology courses addressing the topics regularly covered in college biology courses for science majors. Out of class reading is mandatory and students are strongly encouraged to take the Advanced Placement Exam.

724A A detailed study of essential concepts of biology including ecology, cell biology, biochemistry and bioenergetics. Students are strongly encouraged to take the Advanced Placement Biology exam. (NCAA)

724B (Prerequisite: 724 A) A detailed study of essential concepts of biology including genetics, molecular genetics, microbiology, biotechnology, and evolution. Students are strongly encouraged to take the Advanced Placement Biology exam. (NCAA)

Course Offerings

Science Department

727	Forensic Chemistry	2 semesters	2 credits	11 – 12
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This course has been designed to be a general study of chemistry through a forensic science approach. Students will learn about basic qualitative chemistry concepts, as well as general forensic topics such as evidence collection and analysis, chemical evidence, and drug and addiction chemistry, chemistry of explosives, nuclear terrorism, poisons, and identification of victims. (Students who desire to pursue a career in a science related field such as medicine, pharmacy, veterinary medicine, or engineering; or who plan to earn a bachelor of science degree and need to pursue a more rigorous curriculum should enroll in Chemistry I.) This course will provide the MMC chemistry requirement. (NCAA)

730	Chemistry I	2 semesters	2 credits	*9 – 12
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Recommended completion or concurrent enrollment in Algebra I

A detailed study of the essential concepts of chemistry including atomic structure, periodicity bonding, chemical change, stoichiometry, heat, gas laws, solutions, acids and bases, nuclear chemistry, and laboratory skills. This course will provide the MMC chemistry requirement. (NCAA)

*Students may enroll at these additional grade levels if EDP and prior science performance support science pathway concentration.

731	AP Chemistry	2 semesters	2 credits	11 – 12
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Prerequisite: 730 A&B, and recommended completion or concurrent enrollment in Algebra II

731A A detailed study of essential concepts of chemistry including reaction types, stoichiometry, thermodynamics, gases, kinetic molecular theory, liquids and solids, and solutions. Students are strongly encouraged to take the Advance Placement Chemistry exam. (NCAA)

Prerequisite for 731B: 731A, and recommended completion or concurrent enrollment in Algebra II

A detailed study of essential concepts of chemistry including kinetics, equilibrium, acids and bases, thermodynamics, atomic theory and structure, chemical bonding, and nuclear chemistry. Students are strongly encouraged to take the Advance Placement Chemistry exam. (NCAA)

740	Physics	2 semesters	2 credits	11 – 12
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Recommended completion or concurrent enrollment in Pre-Calculus

A detailed study of concepts and problem solving skills involving vectors, kinematics, gravitational effects, forces, Newtonian physics, energy transformations and waves. (NCAA) (MathR)

740	Conceptual Physics	2 semesters	2 credits	11 – 12
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The goal of this course is to help the student develop a better understanding of the concepts of physics. This is an inquiry type class which will focus on problem solving and critical thinking, blending science and math together. Units within the course will be: Measurement & Experimentation, Motion & Forces, Gravity & Projectiles, Circular Motion, Energy, Momentum, and Waves.

747	AP Physics	2 semesters	2 credits	10 – 12
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This course is a full year course option for students pursuing an interest in advanced physics. Students will be able to analyze and apply concepts as well as formulate answers to complex physics scenarios including topics such as kinematics, Newton's Laws of Motion, gravitation, circular motion, work, energy, power, linear momentum, torque and rotational motion, simple harmonic motion, waves, sound, electrostatics and simple electric circuits.

Course Offerings

Science Department

750	Astronomy	1 semester	1 credit	10 – 12
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Recommended completion or concurrent enrollment in Algebra I

A study of the history of astronomy, our solar system, life cycle of stars, formation of the Milky Way galaxy and other galaxies, dark matter and dark energy, current topics and research in the field of astronomy, and the forces of flight. (NCAA)

755	Meteorology	1 semester	1 credit	10 – 12
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A study of the atmosphere and conditions that produce the weather. (NCAA)

760	Ecology	1 semester	1 credit	10 – 12
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Prerequisite: 720 A&B and/or administrative approval

A study of environmental topics and the interdependence of living things and the impact of human activity on ecosystems. (NCAA)

765	AP Environmental Science	2 semesters	2 credits	11 – 12
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Prerequisite: 730

765 A A detailed study of essential key theories and an introduction to environment science, as well as concepts of environmental change, human population, biochemical cycles, ecosystems, biodiversity, biological productivity and energy flow. Students are strongly encouraged to take the Advance Placement Environmental Science exam. (NCAA)

765B Prerequisite 765A A detailed study of biological restoration, agricultural production and the environmental effects of agriculture, renewable and nonrenewable resources, land, water, pest, and waste management, environmental health, pollution, and toxicology. Students are strongly encouraged to take the Advance Placement Environmental Science exam. (NCAA)

770	PLTW – Introduction to Engineering and Design (IED)	2 semesters	2 credits	8 – 12
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The major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

772	PLTW – Principles of the Biomedical Sciences	2 semesters	2 credits	9 – 12
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In the introductory course of the Biomedical Sciences program, students explore concepts of biology and medicine to determine factors that led to the death of fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Course Offerings

Science Department

774	PLTW – Principles of Engineering	2 semesters	2 credits	9 – 12
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Prerequisite: 530 and/or administrative approval

This is a core, broad based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students will employ engineering and scientific concepts in the solution of engineering design problems. They will develop problem solving skills and apply their knowledge of research and design to create solutions to various challenges. They will explore various engineering systems and manufacturing processes. They will also learn how engineers address concerns about the social and political consequences of technological change.

776 A&B	Exploration of the Natural World	2 semesters	2 credits	6 – 12
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Explore nature from its smallest building blocks to its largest structures. This class will give an opportunity for students to expand their knowledge of the natural world through inquiry-based learning, and includes many hands-on activities. This class is appropriate for students regardless of their previous experience with science.

8716	PLTW – Medical Detectives	1 semester	1 credit	8
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Students play the role of real-life medical detectives as they analyze genetic testing results to diagnose disease and study DNA evidence found at a “crime scene.” They solve medical mysteries through hands-on projects and labs, investigate how to measure and interpret vital signs, and learn how the systems of the human body work together to maintain health.

775 A&B	PLTW – Human Body Systems	2 semesters	2 credits	9 - 12
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Students examine the interactions of human body systems as they explore and identify power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal manikin; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

Course Offerings

Social Studies Department

6800	Social Studies 6	2 semesters	6	
<p>Sixth grade students will explore the tools and mental constructs used by historians and geographers. They will develop an understanding of Ancient World History, Eras 1 – 3, of the Western Hemisphere and will study contemporary geography of the Western Hemisphere. Contemporary civics/government and economics content is integrated throughout the year. As a capstone, the students will conduct investigations about past and present global issues. Using significant content knowledge, research, and inquiry, they will analyze an issue and propose a plan for the future. As part of the inquiry, they compose civic, persuasive essays using reasoned argument.</p>				
7800	Social Studies 7	2 semesters	7	
<p>Seventh grade students will experience a full year of world history and geography covering historical thinking as well as World History Eras 1 – 4. This includes human beginnings, early and classical civilizations, and comparative world religions from the beginnings in BCE to 1500 CE.</p>				
8810	Social Studies 8	2 semesters	8	
<p>This course is a chronological overview of United States history from colonization through reconstruction. Areas of study include the struggles for independence, the foundations and principles of self government, development of regional differences, slavery and its effects, the Civil War, and America's place in the world in relationship to economics and politics.</p>				
825	World History	2 semesters	2 credits	9
<p>This course is a chronological overview of world history from prehistory up to the 20th century. World history is required for all ninth grade students. (NCAA)</p>				
828	AP World History	2 semesters	2 credits	9 – 12
<p>This is an advanced placement course meant to be the equivalent of a freshman college course. Successful completion may earn students college credit. Self-motivation, excellent reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents and historiography. The period from prehistory to the modern world will be covered. This course is designed to prepare students for the AP exam in May. Teacher and department recommendation is required. A student may take this to fulfill their required world history credit or as a social studies elective. (NCAA)</p>				
845	Civics	1 semester	1 credit	10
<p>This course will provide students with an understanding of our American government. During this course students will analyze, synthesize, evaluate, compare, contrast, and argue – using political and civics habits of mind. Students will examine alternative forms of government, the nature of civic life, the origins of American constitutional government and the structure and functions of our government, the United States and the implementation of US foreign policy, citizenship in America, and our legal system. (NCAA)</p>				
846	Economics	1 semester	1 credit	10
<p>This class will include a detailed overview of basic economic concepts in America. The market economy, national economy, international economy and personal finance will be addressed by this course. Students will gain “economic literacy” which is important for becoming citizens in our increasingly interconnected world. (NCAA)</p>				

Course Offerings

Social Studies Department

851	US History (1877 – Present)	2 semesters	2 credits	11
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This class will include a chronological overview of US history from the 1890s, which includes: the Progressive Era, WWI, the Twenties, the Great Depression, the New Deal, WWII, the Cold War, the civil rights struggle, and the Vietnam War. (NCAA)

853	AP United States History	2 semesters	2 credits	11 – 12
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*This course is designed to prepare students for the AP exam in May. A senior may take this course as a social studies elective credit. Summer work may be assigned for this course.

853 Advanced placement course meant to be the equivalent of a freshman college course whose successful completion may earn students college credit. Self-motivation, excellent reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents and historiography. The period from colonization through Reconstruction will be covered followed by the Industrial Age to the 1960s, ending with an analysis of US History up through the present day. Topics of interest will be Civil Rights struggle, President Kennedy, Watergate, the 1970s, Persian Gulf War, and America as it is today. Also, a considerable amount of time will be review and preparation for the AP exam during the last semester. After the AP exam several projects and simulations will occur in this class. (NCAA)

862	AP US Government and Politics	2 semesters	2 credits	10 – 12
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*This course is designed to prepare students for the AP exam in May. Summer work may be assigned for this course. This course meets the graduation requirement for civics.

This advanced placement course will give students an analytical perspective on government and politics in the United States. Focus is placed on the Constitution, the complexities of the federal government, our “political culture,” the effects public opinion has on our government, on political participation, our two-party system, elections and campaigns, interest groups, the role of the media, the roles and organization of Congress, the presidency and the judicial branch, economic policy, social programs, civil liberties, and public policy. This course is designed to prepare students for the AP exam in May. Teacher and department recommendation is required. (NCAA)

869	AP Psychology	2 semesters	2 credits	11 – 12
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*This course is designed to prepare students for the AP exam in May. Summer work may be assigned for this course.

This advanced placement course is equivalent to an introductory college course in psychology. Students should be highly motivated with an above average interest in the subject. 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 will be exposed to the psychological facts, principles, and phenomena associated with each of the major sub-fields within psychology. They will also learn about the ethics and methods psychologists use in their science and practice. Topics included in this course include: introduction and methods, behavioral neuroscience, sensation and perception, consciousness, learning, memory, thought and language, motivation and emotion, human development, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders and social psychology. Students are strongly encouraged to take the Advanced Placement Exam. Also, included in this class will be extensive review of the year’s work, along with simulated AP Exams with special emphasis on the free response portion of the exam. (NCAA)

Course Offerings

Social Studies Department

870	Psychology	1 semester	1 credit	11 – 12
<p>An introductory course designed to provide students with information that they will use in a college psychology course. This is a discussion-based course studying human behavior. A few of the specifics include: research techniques, consciousness, sleep, dreams, development, personality, and abnormal psychology. Tenth grade students will be considered with current World History instructor approval. (NCAA)</p>				
871	Sociology	1 semester	1 credit	11 – 12
<p>An introductory course designed to provide students with information that they will use in a college sociology course. This is a discussion-based course studying group behavior. A few of the specifics include: culture, the social class system, deviance, family, religion and sport. Tenth grade students will be considered with current World History instructor approval. (NCAA)</p>				
877A	Criminology A	1 semester	1 credit	11 – 12
<p>Students may enroll in either section of Criminology for 1 semester – Students may take the A and B in any order.</p> <p>This course is designed to teach students of criminal justice the fundamental tried-and-true concepts of an evolving discipline and to give them the critical-thinking skills necessary to effectively apply those concepts to the real world. This term will focus on the crime picture, the search for causes, and police management and the legal system. Students will have opportunities to participate in discussions with the legal community and members of law enforcement agencies. (NCAA)</p>				
877B	Criminology B	1 semester	1 credit	11 – 12
<p>This course is designed to teach students of criminal justice the fundamental concepts of an evolving discipline and to give them the critical-thinking skills necessary to effectively apply those concepts to the real world. This term will concentrate on the functions of the courts, sentencing in terms of both philosophy and practice, the development of probation, parole, community corrections, imprisonment, the juvenile justice system and special topics such as drugs, gangs, terrorism and the opportunities and threats that technology represents to the justice system. Opportunities to participate in discussions with the legal community and members of law enforcement agencies and corrections will also be made available. (NCAA)</p>				
880	American Wars: Independence-Expansion	1 semester	1 credit	9 – 12
<p>This course will provide students with an opportunity to carefully examine the following American military conflicts of the 18th & 19th centuries: The French and Indian War, The American Revolution, War of 1812, early Native American conflicts, U.S. - Mexican War. Although military history will be the major focus of the class, the social, economic and political history of the periods will also be addressed. Various books, original sources, simulations, and other activities will be used. Ninth and Tenth grades may request this class with current Social Studies teacher approval. (NCAA)</p>				
881	American Wars: Civil War-World War I	1 semester	1 credit	9 – 12
<p>This course will provide students with an opportunity to carefully examine the following American military conflicts of the 19th and 20th centuries: Civil War and Native American conflicts, Spanish American War and WWI. Although military history will be the major focus of the class, the social, economic and political history of the periods will also be addressed. Various books, original sources, simulations, and other activities will be used. (NCAA)</p>				

Course Offerings

Social Studies Department

882	American Wars: 20th Century and Beyond	1 semester	1 credit	9 – 12
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This course will provide students with an opportunity to carefully examine the following American military conflicts of the 20th century: WWII, Korea War, Vietnam, Desert Storm, War on Terror and Potential Wars. Although military history will be the major focus of the class, the social, economic and political history of the periods will also be addressed. Various books, original sources, simulations, and other activities will be used. (NCAA)

883	The Civil Rights Movement	1 semester	1 credit	10 – 12
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This course will examine the civil rights movement in the United States, focusing upon the period from 1954 to the mid-1980s. Students will learn about significant persons and events of this timeframe, as well as explore the root causes and implications of racism, discrimination, and stereotyping. (NCAA)

886	American Sports History A	1 semester	1 credit	9 – 12
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Students may take 886 or 887 in any order.

This course will provide students with an opportunity to examine the history of American baseball, basketball, car racing, and boxing and the men and women who have profoundly affected the country's history and often society in general through the world of sports. From an American perspective, a historical analysis of each sport at the professional, collegiate and high school levels will be examined. In addition to receiving a historical analysis of each sport, there will also be an emphasis placed on examining how each sport has affected the economic, political and social aspects of American culture. (NCAA)

887	American Sports History B	1 semester	1 credit	9 – 12
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Students may take 886 or 887 in any order.

This course will provide students with an opportunity to examine the history of American football, hockey, volleyball, tennis, soccer and the men and women who have profoundly affected the country's history and often society in general through the world of sports. From an American perspective, a historical analysis of each sport at the professional, collegiate and high school levels will be examined. In addition, there will also be an emphasis placed on examining how each sport has affected the economic, political and social aspects of American culture. (NCAA)

888	Humanities I	2 semesters	2 credits	9 – 12
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Humanities is the study of Western and Eastern Civilizations from a creative and cultural point of view, with emphasis on art, music, architecture, religion, family structure, literature, and theatre. During Humanities I we will study Prehistory, Ancient Mesopotamia, Ancient Egypt, and an overview of Ancient Far Eastern cultures such as India, Japan, and China. In second semester, we will study the Aegean Culture and Early Greece, Classical and Hellenistic Greece (including Greek theatre), the Roman Civilization, Judaism, Early Christianity, the Byzantine Civilization, and the Islamic Civilization. Humanities I may be taken to fulfill 2 VPA credits. Students must complete Humanities 380 A and Humanities 380 B in order to receive both VPA credits. (VPA) (NCAA)

Course Offerings

Social Studies Department

889	Humanities II	2 semesters	2 credits	9 – 12
Humanities is the study of Western and Eastern Civilizations from a creative and cultural point of view, with emphasis on art, music, architecture, religion, family structure, literature, and theatre. In Humanities II we will study the Early Middle Ages and the Romanesque, the Gothic and Late Middle Ages, The Renaissance, and the Baroque Age. During second semester, study will continue with a focus on the 18 th century, Romanticism and Realism, Impressionism and Post-Impressionism, the 20 th century, and Contemporary Life. Humanities II is heavily focused on the study of art history and music. Humanities II may be taken to fulfill 2 VPA credits. Students must complete Humanities 382 A and Humanities 382 B in order to receive both VPA credits. (VPA) (NCAA)				
890	The American West	1 semester	1 credit	9 – 12
This course will provide students the opportunity to examine the development of the American West. Topics will include the Gold Rush, Native Americans, the Transcontinental Railroad, outlaws, the development of western cities, environmental changes and myths about the West. (NCAA)				
891	The American Jury	1 semester	1 credit	9 – 12
Do you know what it means to be an American? Be part of an interactive class that exercises the rights and responsibilities of an American citizen. Participate in mock trials, landmark court cases and current issues our community and nation is facing. In this class - you the jury, decide the outcome! For students interested in government, law, and justice related fields this class is a must!				
892	Women in America	1 semester	1 credit	9 – 12
This course will discuss the changing and evolving role of women throughout the course of American history. Students will focus their learning on various American women and their accomplishments, struggles, and place in history. Topics will include the First American Women (colonial women and the Salem witch trials, Early Native American Women, women and the Revolutionary/Civil Wars); women during the 1900s (Suffrage Movement, East and West Coast Immigration, World Wars I and II); and modern women (the Feminist Movement, The Civil Rights Movement, Women's role in today's society). (NCAA)				
840	Current Events	1 semester	1 credit	11 – 12
This class is designed to provide students with the opportunity to discuss, understand, and explore local, national, international, social and political issues in a respectful, meaningful and active way. Throughout the term, students will stay up to date on current issues and trends, and will explore informational text on a daily basis.				

Course Offerings

World Language

The French, Spanish, and American sign language programs are designed to introduce and develop the four basic language skills of speaking, listening, reading and writing. The Michigan Merit Curriculum requires the successful completion of two years in the **same** world language. Students seeking college admission are highly recommended to complete more than the two year requirement. Students who intend to major at college in a field that requires a world language should consider completing four or more years of the language in high school.

*Students interested in advancing beyond their grade level course must meet specific criteria in order to do so. See counseling office for the specific requirements for advancement.

7346	Exploratory French	1 semester	6 – 7
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This class is strongly recommended as a continuation of the student's elementary French language experience or as an introduction to students who would like to begin studying French. This course will lay a firm foundation for successful completion of French I and French II. This course will help to ensure success with the world language requirement.

300	French I	2 semesters	2 credits	7 - 12
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*Exploratory French 7366 provides a solid base and begins building knowledge for this course, but is not a requirement.

Students will be introduced to and begin developing listening, reading, writing, and speaking skills. Students will learn basic vocabulary and grammar. The geography and traditions of French-speaking people will be introduced. (NCAA). **This begins the Michigan Merit two year requirement.**

301	French II	2 semesters	2 credits	*8 - 12
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Prerequisite: 300

Continuing where French I left off, students will develop more proficiency in reading, writing, speaking, and listening. Students will study more complex grammatical structures and more vocabularies. There will be a continuation of study of the geography and traditions of French-speaking countries and peoples. (NCAA)

302	French III	2 semesters	2 credits	*9 – 12
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Prerequisite: 301

Students at this level will learn more advanced vocabulary and grammar. Students will continue reading, listening speaking and writing in the target language. There will be a continuation of study of geography and traditions of French-speaking countries and people. Class may be conducted in French. (NCAA)

303	French IV	2 semesters	2 credits	10 – 12
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Prerequisite: 302

Class will be conducted in French. An in-depth study of French grammar, vocabulary, and culture will be undertaken. Continued growth and improvement in composition and oral competency will be stressed. (NCAA)

Course Offerings

World Language

304	AP French Language	2 semesters	2 credits	11 – 12
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*Based on enrollment, this course may run as a split class with French IV. If so, the course will be French V (Not AP).

Prerequisite: 303

Class will be conducted in the target language. Previous competencies in reading, writing, speaking, and listening will be reviewed and additional instruction in each area will be provided. Composition, reading, aural and oral proficiency will be emphasized. Students completing this course will have the option of taking the AP French Language Exam. (NCAA, AP)

306	French Culture A	1 semester	1 credit	10 – 12
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Prerequisite: Completed or concurrent with French 300 or higher

This course will explore French and Francophone culture through food, film, music, art, literature, history, and geography. The emphasis will be on the culture and food rather than the language itself. This course is designed to complement the French language courses. Emphasis will be on the overseas departments of France, Africa, French speaking Canada and Europe, and the history and geography of France. The cuisine of the above countries and France in general will be introduced. THIS IS NOT A GRAMMAR CLASS. This course will be offered in alternating years. (VPA)

Students may take French 306 or French 307 in any order.

307	French Culture B	1 semester	1 credit	10 – 12
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Prerequisite: Completed or concurrent with French 300 or higher

This course will continue to explore French and Francophone regions with a focus on culture and cuisine. This course is designed to complement the French language courses. The emphasis will be on the culture and the products of the French-speaking world rather than the language itself. We will be introduced to the French-speaking world through food, art, music, film, literature, and history. THIS IS NOT A GRAMMAR CLASS. This course will be offered in alternating years. (VPA)

Students may take French 306 or French 307 in any order.

7366	Exploratory Spanish	1 semester		6 – 7
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This class is strongly recommended as a continuation of the student's elementary Spanish language experience or as an introduction to students who would like to begin studying Spanish. This course will lay a firm foundation for successful completion of Spanish I and Spanish II. This course will help to ensure success with the World Language requirement.

310	Spanish I	2 semesters	2 credits	7 – 12
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*Exploratory Spanish 7366 provides a solid base and begins building knowledge for this course, but is not a requirement.

Students will be introduced to and begin to develop listening, reading, writing, and speaking skills. Students will learn basic vocabulary and grammar. The geography and traditions of Spanish-speaking people will be introduced. **This begins the Michigan Merit two year requirement.** (NCAA)

Course Offerings

World Language

311	Spanish II	2 semesters	2 credits	*8 – 12
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Prerequisite: 310

Continuing where Spanish I left off, students will develop more proficiency in reading, writing, speaking, and listening. Students will study more complex grammatical structures and more vocabularies. There will be a continuation of study of geography and traditions of Spanish speaking countries and peoples. (NCAA)

312	Spanish III	2 semesters	2 credits	*9 – 12
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Prerequisite: 311

Students will learn more advanced vocabulary and grammar. Students will read and write more in the target language. There will be a continuation of study of the geography and traditions of Spanish-speaking countries and peoples. Class may be conducted in Spanish. (NCAA)

313	Spanish IV	2 semesters	2 credits	10 – 12
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Prerequisite: 312

Class will be conducted in Spanish. An in-depth study of Spanish grammar, vocabulary, and culture will be undertaken. Continued growth and improvement in composition and oral competency will be stressed. Students must enroll in Spanish 313 A and Spanish 313 B in order to complete the Spanish 4 course. Seniors completing this class may choose to take the AP Spanish language exam. (NCAA)

Students successfully completing this course will earn college credits from Eastern Michigan University.

314	AP Spanish Language and Culture	2 semesters	2 credits	11 – 12
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Prerequisite: 313

Class will be conducted in the target language. Previous competencies in reading, writing, speaking, and listening will be reviewed and additional instruction in each area will be provided. Composition and oral proficiency will be emphasized. Students completing this class will have the option of taking the AP Spanish language exam. (NCAA, AP)

315	Spanish and Latin American Culture A	1 semester	1 credit	10 – 12
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Prerequisite: Completed or concurrent with Spanish 310 or higher

This course will explore Spain and Latin America's culture through, food, film, music, art, literature, history, and geography. The emphasis will be on the culture rather than the language study. THIS IS NOT A GRAMMAR CLASS. This course is designed to complement the Spanish language courses with activities and projects that create a cultural immersion. The goal is to bring Spain and the Latin American world to the classroom. This class will be offered in alternating years. (VPA)

Students may take Spanish 315 or Spanish 317 in any order.

317	Spanish & Latin American Culture B	1 semester	1 credit	10 – 12
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Prerequisite: Completed or concurrent with Spanish 310 or higher

This course will explore Spain and Latin American cultures through film, food, music, art, literature, history, geography and specialized vocabulary. The emphasis will be on the culture rather than the language study. THIS IS NOT A GRAMMAR CLASS. This course is designed to complement the Spanish language courses with activities and projects that create a cultural immersion. The goal is to bring Spain and Latin America to the classroom. This class will be offered in alternating years. (VPA)

Students may take Spanish 315 or Spanish 317 in any order.

Course Offerings

World Language

385	American Sign Language I	2 semesters	2 credits	9 - 12
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This is a beginning course in American Sign Language. The class concentrates on an introduction to American Sign Language (ASL) as used by the deaf community in the United States. Students analyze structure, compare cultural values, and explore physiological aspects of deafness. The course of study will focus on dialogues that strengthen personal interaction skills. ASL is the third most used language in the United States. We will explore the vast job opportunities that are available with a college major or minor in ASL. (NCAA)

387	American Sign Language II	2 semesters	2 credits	10 - 12
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Prerequisite: 385

The second year of American Sign Language course continues the development of linguistic proficiency and cultural awareness begun in the first year of ASL study. Introducing new vocabulary and more complex grammatical structures will increase comprehension. This will allow students to express themselves in a wider variety of situations and with a greater degree of accuracy. (NCAA)

389	Exploration in World Languages	2 semesters	2 credits	6 - 12
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Students will learn fundamentals in reading, writing, listening, and speaking in a world language of student choice using outside resources. Options may include, but are not limited to, Chinese, Japanese, and German.

7150	Publications 7	1 semester	6 – 7
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Students will learn production techniques for a variety of publications. Information gathering, writing, editing, and layout of newspapers, magazines, yearbooks, and other printed materials will be explored. Research skills, thinking skills, legal rights and responsibilities will be covered. Computer skills are highly desirable.

8165	Publications 8	1 semester	8
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Students will learn production techniques for a variety of publications. Information gathering, writing, editing, and layout of newspapers, magazines, yearbooks, and other printed materials will be explored. Research skills, thinking skills, legal rights and responsibilities will be covered. Computer skills are highly desirable.

901	Student Publications	2 semesters	2 credits	9 – 12
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This is a two semester course. Students taking a leadership role must enroll in both semesters. This course is responsible for the development, creation, selling, and distribution of the yearbook and student newspaper. Students who enjoy writing, interviewing, photography, graphics, layout and print design will enjoy this class and learn applicable life skills. Revenue solicitation is a requirement of each student. Good attendance, organizational skills, excellent work habits, and the ability to work independently are requirements for this course. Students considering this class must fill out an application that will also require at least one teacher recommendation. Students are encouraged to take both semesters of this course. (This course may be repeated for credit.)

Course Offerings

Special Education Dept

Special Education classes are designed for students who qualify under the state guidelines as Learning Disabled (LD), Speech and Language Impaired (SLI), Emotionally Impaired (EI), Mild Cognitively Impaired (MiCI), Visually Impaired (VI), Hearing Impaired (HI), and Physically and Otherwise Health Impaired (POHI), and have been placed in one or more of the above programs by an Individualized Education Planning Team (IEP). Special Education classes provide basic instruction designed to build skills in specific areas relating to the high school curriculum.

926	Academic Support	2 semesters	2 credits	9 – 12
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This class is designed to provide students with assistance and support in regard to classroom assignments, homework, and quizzes/tests. IEP approval required.

93009	High School English Support	2 semesters	2 credits	9 – 12
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This class is designed to provide students with the basic literacy skills needed to function in adult life. **Please note:** This class does not satisfy MME curriculum requirements. Students enrolled in this class will be instructed using modified academic achievement standards and will be measured against alternate achievement standards. IEP and written parental approval required.

This class may be repeated for credit.

93209	High School Math Support	2 semesters	2 credits	9 – 12
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This class is designed to provide students with the basic math skills needed to function in adult life. **Please note:** This class does not satisfy MME curriculum requirements. Students enrolled in this class will be instructed using modified academic achievement standards and will be measured against alternate achievement standards. IEP and written parental approval required.

This class may be repeated for credit.

935	High School Social Studies Support	2 semesters	2 credits	9 – 12
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This class is designed to provide students with the basic knowledge of history, geography, and citizenship needed to function in adult life.

Please note: This class does not satisfy MME curriculum requirements. Students enrolled in this class will be instructed using modified academic achievement standards and will be measured against alternate achievement standards. IEP and written parental approval required. This class may be repeated for credit.

938	High School Science Support	2 semesters	2 credits	9 – 12
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This class is designed to provide students with the basic knowledge of science needed to understand their environment and how their bodies function in order to function in adult life.

Please note: This class does not satisfy MME curriculum requirements. Students enrolled in this class will be instructed using modified academic achievement standards and will be measured against alternate achievement standards. IEP and written parental approval required. This class may be repeated for credit.

Course Offerings

Special Programs

950	Guided Academics	1 semester	1 credit	9 – 12
950E = English 950M = Math 950S = Science 950SS = Social Studies Prerequisite: Recommendations from two or more of the following: Teacher/Counselor/Administrator Guided Academics is a class designed to help students experiencing academic difficulty in core subjects. During this course students will receive specific instruction to promote success in the Michigan Merit Curriculum. Organizational skills and successful study habits will be emphasized. Priority will be given to students with regular attendance and motivation to succeed. This course may be repeated for credit.				
6400	Teen Survival Skills	1 semester		6
Students will participate in activities designed to help students develop life skills needed for future success. Units of study include conflict resolution, organization skills, study skills, test taking strategies, public speaking, game strategies, money management, and problem solving.				
7870 & 8870	Service Learning	1 semester	1 credit	7 – 8
Students will be exposed to a host of 21 st century skills including some of the following: global awareness, financial, economic, business, and entrepreneurial literacy, civic literacy, creativity and innovation, critical thinking and problem solving, communication and collaboration, flexibility and adaptability, leadership and responsibility, initiative and self-direction, and productivity and accountability. Specific service, community, or school based projects will be the course of study for each class. Possibilities are a school store, Beekeeping course, philanthropic efforts such as overseeing fundraising drives, and other real life efforts that help develop responsible citizens that foster a sense of caring for others.				
952	Strategies for Success	2 semesters	2 credits	11
The course content covers strategies that may enhance a student's performance on common standardized tests such as SAT and M-STEP. Students will receive focused instruction from highly qualified staff members in areas of the core curriculum most often addressed in standardized tests. These skills include, but are not limited to, vocabulary, reading charts, graphs, and tables, language arts, persuasive writing techniques, reading for information, performance tasks and test-taking strategies. This course is a requirement for all juniors. Exceptions will be considered on an individualized basis.				
955	Career Readiness	1 semester	1 credit	10 – 12
Students will learn the foundational employability skills that will prepare them to succeed in the work force. Areas covered in this course are: applied mathematics, informational reading, finding information, workplace writing, work ethics, employment documents, and interviewing. This course will help prepare students to take the Work Keys assessments, which are normally taken in the 11 th and 12 th grades. Passing these assessments will qualify them for a NCRC certificate. The NCRC certificate will provide students with a nationally recognized credential that they can present to prospective employers. Students will also learn to complete job applications and the basic job search process.				

Course Offerings

Special Programs

957	Peer Tutoring	1 semester	1 credit	11 – 12
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Prerequisite: administrative approval

This course is for students who have a desire to help tutor fellow students develop skills in a specific content area, and further develop their own mentoring and overseeing skills in guiding the work of others. Tutors will be assessed on best practices, reflective journals and growth. This course may be repeated for credit.

970	Technology Assistant	1 semester	1 credit	10 – 12
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Prerequisite: administrative approval

Students will gain technical skills and work experience as they work with computers, printers, scanners, cameras, and other equipment as well as software programs. Students will work with the operation of the media center and computer labs. Students will become knowledgeable and proficient as they use books, magazines, newspapers, online sources, and research techniques. Assignments will consist of book reviews and/or technology evaluations. The library media specialist and the guidance counselor must approve each student's interest in the program. Students with a GPA of less than 3.0 will be required to provide 3 teacher/staff references. Please see media staff for the proper forms. This course may be repeated for credit (A maximum of four credits may be earned).

991	LINKS	1 semester	1 credit	11 – 12
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Students will be paired with special needs students four days a week to model appropriate social behavior in a school setting. LINKS students act as peer advocates and mentors for students who require this type of support. The students will receive training one day a week on Autism, strategies working with students on the Autism Spectrum, and educational strategies that improve the learning environment. Students will learn life skills including communication, advocacy, compassion, patience and problem-solving. They are engaged in a curriculum that provides an opportunity for practicing the applied knowledge and skills. Students must fill out an application and complete an interview to be accepted. This course may be repeated for credit.

958	Human Services	1 semester	1 credit	*9 – 12
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This course introduces high school students to the possibilities for careers in the human services professions. Through anecdotes, lessons, and a variety of assignments and projects, students will learn about the broad variety of jobs available in the human services. Students will learn exactly what the human services are and the ethics and philosophies of the helping professions. By the conclusion of this course, students will have a firm introductory understanding of the social services professions and a better idea of whether this is a career course they would like to explore further.

University of Michigan-Flint DEEP College on Campus Programs

The Lapeer Community Schools is collaborating with the University of Michigan-Flint to offer Business and Humanities Dual Enrollment Educational Partnerships. The DEEP initiative allows motivated students to earn college credit by taking accredited courses taught by UM-Flint faculty on-site at a Lapeer Community Schools facility. DEEP will do exactly what its name implies: deepen the students' knowledge and understanding of course material, while providing in-depth college courses that will prepare students for college and university academic expectations.

University of Michigan-Flint DEEP College on Campus Programs: 12-13 college credits offered during the school day at the Center for Innovation at the West Campus. Cost of tuition and fees to students may be approximately \$600 for the yearlong block of four classes, which would normally be about \$5,000 for tuition and fees. LCS and UM-Flint work cooperatively to create a calendar accounting for both schools' breaks. Transportation to CFI will be provided.

UM-Flint Program Qualifications

Selected high-ability, highly motivated senior students from Lapeer Community Schools will be eligible to enroll in the DEEP College on Campus program. Each local high school has developed a specific selection process and criteria for eligibility.

The University of Michigan-Flint has established the following general expectations for enrollees in any of the four DEEP College on Campus programs offered in 2016-2017:

- An overall grade point average of 3.0+
- An interest in post-secondary study in the appropriate professional field
- The ability and motivation to undertake successfully the rigor of college-level coursework
- A favorable recommendation from the school principal or counselor addressing the strength of the applicant's preparation in a college preparatory high school curriculum, including successful completion of 3+ years of HS English with strong writing skills, and other similar characteristics

Special qualifications for Business/Economics DEEP Program:

- Students interested in the Business/Economics DEEP program are expected to have completed or be concurrently enrolled in a high school pre-calculus course in the senior year.

Exceptions to these qualifications may be considered by the appropriate UM-Flint faculty upon recommendation by the high school principal or counselor.

Payments and Due Dates: Contact your high school counselor for details.

Application and Submission Deadline

Dual enrollment application forms and grade release forms are available in the high school guidance office. In order to receive full consideration, these documents must be completed and signed and submitted with attached high school transcripts to your high school guidance office.

UM-Flint DEEP College on Campus Business & Economics Programs

This program is being offered in 2016-17 as a 4-course 12-credit sequence. The 4-course 12 credit Business & Economics sequence consists of BUS 110, BUS 115, ECN 201, ECN 202. (VPA, MathR)

Business (BUS) 110, Business Concepts & Careers, 3 credits. Comprehensive overview of basic business concepts and business protocol. Foundations of general business management, human resources management, operations management, marketing, accounting, finance, and their interdependent nature. Job search techniques, writing resumes, job interviewing, establishing personal relationships.

Business (BUS) 115, Introduction to Business Applications, 3 credits. Focus on development of skills in the use of business technology, including spreadsheets, database management, and presentation software; financial computing; web-based business data sources and their ethical use. *This course fulfills the Technology (T) General Education requirement at the University of Michigan-Flint.*

Economics (ECN) 201, Principles of Economics – Macroeconomics, 3 credits. Introduction to the principles of economic organization and national income determination and stabilization. Topics include inflation, unemployment, money and banking, and the economic role of government. *This course fulfills the Social Science (S) General Education requirement at the University of Michigan-Flint.*

Economics (ECN) 202, Principles of Economics – Microeconomics, 3 credits. Introduction to the economic theories of production, consumption, and exchange. Topics include applications of supply and demand, production and cost analysis, market structure, market failure, resource markets, and regulation. *This course fulfills the Social Science (S) General Education requirement at the University of Michigan-Flint.*

UM-Flint DEEP College on Campus Humanities Program (12 credits)

A program created specifically for college bound students who are not yet certain about a career/college major choice and seek to explore the humanities or want to complete 12 general education university level requirements while still in high school. (VPA)

History (HIS) 114, Twentieth Century World History, 3 credits. Survey of cultural, social, intellectual, economic, and political developments in the twentieth-century world. Special attention will be devoted to imperialism, war and violence, decolonization in the developing world, and the process and effects of globalization.

Communication (COM) 210, Introduction to Public Speaking, 3 credits. Students prepare and deliver speeches in class and develop skills of writing, organization, research and delivery. Students also engage in important public issues, develop an appreciation for ethical methods to approach diverse audiences and become more comfortable speaking in public. Students will learn skills of argumentation and persuasion in order to be better equipped to use speech as a tool to execute change. *This course fulfills the Humanities (H) General Education requirement at the University of Michigan-Flint.*

Course Offerings

Dual Enrollment

Art History (ARH) 112, History of Renaissance to Modern Art, 3 credits. Historical survey of art from the Renaissance to the Modern era. Covers all media from the Western tradition of these time periods. *This course fulfills the Humanities (H) General Education requirement at the University of Michigan-Flint.*

Psychology (PSY) 100, Principals of Psychology, 3 credits. Introduction to scientific study of behavior and mental processes; major concepts, theoretical perspectives, and research. Overview of the research process; how psychological questions are generated and studied; research and theory in subfields such as neuroscience, human development, learning, memory, thinking, motivation and individual differences. *This course fulfills the Social Science (S) General Education requirement at the University of Michigan-Flint.* This course may be taken concurrently with AP Psychology, although that is not a requirement for enrollment in the Humanities DEEP Program.

UM-FLINT DEEP DUAL ENROLLMENT – PRE-ENGINEERING (13 credits)

This program is facilitated and held at Lapeer County Ed Tech Center during LCS 2nd and 3rd hours. Students must provide their own transportation. (VPA, MathR)

CSC 101, Fluency with Information Technology and Computing, 3 credits – Development of fluency in Information Technology (IT) for productive use, designed to complement the student's areas of study. The relevance of IT and computing in daily life, emphasized through collaborative learning about such topics as image representations, high definition video transmission, digital voice encoding, MP3 files, identity protection for online shopping, data security in social networks, robotics, games and animation creation, virtual worlds. Introduction to programming using non-traditional, intuitive programming environments such as smartphones and LEGO Mindstorms. *This course fulfills the Technology (T) General Education requirement at UM-Flint.*

EGR 165, Computer Aided Design, 3 credits – The goal of this course is to familiarize engineering students with fundamental principles of computer aided design and perform basic engineering analysis, such as stress and deflection using solid modeling and parametric design using Creo software. *This course fulfills the Technology (T) General Education requirement at UM-Flint.*

CSC 175, Problem Solving and Programming I, 4 credits – This course introduces the students to the structured programming language C++ which is essential for engineering applications and problem solving. Programming language concepts, arrays, structures, and subprograms will be included. *This course fulfills the Technology (T) General Education requirement at UM-Flint.*

EGR 102, Introduction to Engineering, 3 credits – This course introduces students to various engineering disciplines, and common engineering science foundations of all branches, teaming ethics, and communication. Fundamental principles of various engineering disciplines will be taught using one central problem from each discipline. *This course fulfills the Technology (T) General Education requirement at the UM-Flint.*

UM-FLINT MEDICAL CAREERS ACCELERATION (MCAP) (13 CREDITS)

This program is facilitated and held at Lapeer County Ed Tech Center during LCS 2nd and 3rd hours. Students must provide their own transportation. (VPA)

Biology (BIO) 113, Principles of Biology, 4 credits – Introduction to the basic principles of biology relating to cell structure and function, cell reproduction, and mechanisms underlying patterns of inheritance, ecology and evolution, emphasizing guided discovery and critical thinking.

Health Care (HCR) 206, Health Sciences Applications, 2 credits – Introduction to a wide range of topics in health science with demonstrations of how basic scientific concepts can be applied to solving problems in the field. Hypothetical thought experiments stimulate students' interest in pursuing health careers.

Biology (BIO) 328, Genetics, 4 credits – Principles of inheritance from molecular through population levels. Gene action, cytoplasmic inheritance, parthenogenesis, mutation, and homeostasis.

Philosophy (PHL) 168, Philosophy of Bioethics, 3 credits – Introduction to classical ethical theories and their application to contemporary bioethical issues, such as neuroethics, ethics of nanotechnology, stem-cell research, bioterrorism, cloning as well as a broad range of health system reform, international health research, social inequalities in health, and the allocation of scarce resources. This course fulfills the Humanities (H) General Education requirement at UM-Flint.

Mott Community College (College on Campus) Programs

The Lapeer Community Schools is collaborating with Mott Community College to offer business and criminal justice for students interested in pursuing these college majors and career areas. The tuition for the Mott CC College on Campus programs is financially covered by LCS. The College on Campus initiative allows motivated students to earn college credit by taking accredited courses taught by Mott faculty at the Mott – Lapeer Campus. Transportation will be provided. Students will take placement tests during a school scheduled and sponsored orientation at the Lapeer campus. *Students are required to attend Mott's courses even when LCS is not in session.

MOTT BUSINESS

Yearlong program of 8 credits held at Mott-Lapeer Campus during the traditional school day. Students allowed 1 hour release. (VPA)

BUSN 104-Introduction to Business 3 college credits

The study of business problems, business practices and procedures, including organization, management, labor, production, marketing, financing, and insurance.

CASD 121-Study Skills 1 college credit

Designed to help students develop successful study skills. Includes time management, note-taking styles, organizing textbook readings, memory techniques, test-taking strategies and developing a positive attitude toward learning.

BUSN 255-Principles of Marketing 3 college credits

This course is designed as an introduction to the marketing environment and the role marketing plays in that environment. The course is intended to cover the marketing mix, entrepreneurship, consumer behavior and ethics in the business world of today and tomorrow.

CDEV 110-Career Exploration 1 college credit

This course is designed to aid undecided students in making career choices. Includes skill development in self-awareness, career awareness, decision making and career planning/placement, choosing a college and a college major and understanding the labor market and employment opportunities.

<h3>MOTT CRIMINAL JUSTICE</h3>

A yearlong 8 credit program offered at Mott-Lapeer Campus. Students are allowed one hour release. Students are responsible to follow Mott's school calendar for these courses. (VPA)

CASD 121-Study Skills 1 college credit

Designed to help students develop successful study skills. Includes time management, note-taking styles, organizing textbook readings, memory techniques, test-taking strategies and developing a positive attitude toward learning.

CRJU-Introduction to Law Enforcement 3 college credits

This is an introduction to the criminal justice system, the field of law enforcement and the administration of the justice process. The vocational opportunities and functions of all levels of law enforcement are explored.

CDEV-Career Exploration 1 college credit

This course is designed to aid undecided students in making career choices. Includes skill development in self-awareness, career awareness, decision-making and career planning/placement, choosing a college and a college major and understanding the labor market and employment opportunities.

SOCY-191 Intro to Sociology 3 college credits

A systematic study of human behavior in groups; the socialization of individuals into their culture; the formation and functioning of different kinds of social groups; and the processes of stability, deviance, and change in society.

Baker College (College on Campus) Programs

The Lapeer Community Schools is collaborating with Baker College to offer Computer Technology, Engineering Technology, and two year Health Cohorts for students interested in pursuing these college majors and career areas. The tuition for the Baker College on Campus programs is financially covered by LCS. The College on Campus initiative allows motivated students to earn college credit by taking accredited courses taught by Baker faculty on-site at a Lapeer Community Schools CFI-West Campus. Transportation will be provided. Baker classes run one class period, one course at a time, 5 days per week. Students attend Baker classes only when LCS is in session. If LCS is closed, the Baker class is not held.

BAKER HEALTH COHORT A

A yearlong program of four courses counting 18 quarter hours. These courses will be held at the CFI-West Campus. Students allowed one hour release. Cohort A is a prerequisite for Cohort B. If LCS is closed, the Baker class is not held. (VPA)

MED 103 Medical Terminology 4 QH

Examines the fundamentals of word analysis by body system and emphasizes the spelling, pronunciation, and definitions of medical terms.

SCI 101C Human Anatomy and Physiology I 5 QH

Deals with the fundamental study of the body with a view toward the structure and function of body parts, organs, and systems and their relationship to the whole body. Laboratory work may include the use of the microscope, experiments/demonstrations in physiologic principles, and the dissection of animal parts. 40 hours of lecture and 20 hours of lab are required.

SCI 102C Human Anatomy and Physiology II 5 QH

Emphasizes the structure and function of the various body systems. Laboratory work will include the dissection of mammal organs. 40 hours of lecture and 20 hours of lab are required.

Prerequisite(s): B- or better in SCI 101C.

BAKER HEALTH COHORT B

A yearlong program of four courses, counting 18 quarter hours. These courses will be held at CFI-West Campus. Students allowed one hour release. If LCS is closed, the Baker class is not held.

***Prerequisite:** Cohort A

HSC 104 Introduction to Disease 4 QH

Introduces students to the fundamental aspects of the study of diseases. Emphasis will be on the definition, etiology, diagnosis, and treatment of specific diseases. This course will concentrate on clinical abstracting from the medical record.

Prerequisite(s): C or better in MED 103, C or better in SCI 102C or C or better in SCI 100F.

No minimum grade requirement for Phlebotomy or Pharmacy Technician majors.

HSC 111 Introduction to Healthcare 4 QH

Acquaints students with a variety of perspectives about existing healthcare systems. A particular emphasis on the complexity of the American healthcare system will be made. Comparisons with other health care delivery models and national trends will be discussed. Current events are incorporated throughout this course.

SCI 211 Pathophysiology 4 QH

Examines general disease mechanisms with an emphasis on the disease processes within each body system.

Prerequisite(s): B- or better in SCI 102C.

SCI 220A Microbiology 5 QH

Explores basic concepts of prokaryotic and eukaryotic microorganisms including the basic composition, metabolism, genetics, immunology, and epidemiology of microorganisms. The human diseases caused by these microorganisms in addition to their treatments will be presented. A 20 hour laboratory will be a component of this course; students will perform several experiments to reinforce the material presented in lecture.

BAKER CNC (Computer Numerically Controlled Machines)

A yearlong program of four courses. These courses will be held at CFI-West Campus. Students allowed one hour release. (VPA, MathR)

AMT 191- Blueprint Reading for Industry – Provides understanding and interpretation of modern industrial blueprints. Co-req: MTH091 or satisfies ess math concepts. 4 QH.

CNC 111 – Basic Gauges and Measurements - Provides students with an introduction to measurement instruments used in manufacturing settings. Addresses Scales, Calipers, Micrometers, Johansson Blocks, Gauges and Angular Measurement. Corequisite: MTH 091 or math placement and AMT 191. 4 QH.

CNC121A – Machining Theory and Methods - Provides students with an introduction to CNC theory and practice in manufacturing settings. Addresses basic machining theory and introduction to the use of common tools and techniques in manufacturing. 30 hours of lecture and 20 hours of lab required. 4 QH.

CNC 131- Precision Machining Methods- Provides students with an introduction to industrial used as references in manufacturing settings. Addresses geometric dimensioning and tolerancing as prescribed standard, including symbols, terminology and rules. 30 hours of lecture and 20 hours of lab required. Coreq: CNC121A. 4 QH

BAKER COMPUTER TECHNOLOGY

A yearlong program of four courses. These courses will be held at CFI-West Campus. Students allowed one hour release. If LCS is closed, the Baker class is not held. (VPA, MathR)

NET102 - Networking Essentials II - Focuses on the basic issues related to data communications and networking technologies. Topics include the OSI model, network topologies, protocols, and the fundamentals of internetworking. TCP/IP addressing is also covered.

CIS106B - Computer Operating Systems and Maintenance I - Provides an introduction to computer operating systems and maintenance concepts. Students will study the Microsoft Windows family of operating systems and will receive a brief introduction to Linux. This course will assist students in their preparation for the CompTIA A+ Essentials Exam.

CIS107B - Computer Operating Systems and Maintenance II - Provides a continuation of the study of computer operating systems and maintenance concepts with a focus on practical application and troubleshooting. This course will assist students in their preparation for the CompTIA A+ Practical Application exam.

MNP171A - Windows 7 Configuration - Provides students with the skills and knowledge necessary to install, deploy, and upgrade to Microsoft Windows 7, including ensuring hardware and software compatibility. Additionally, this course covers the skills necessary to configure pre-installation and post-installation system settings, Windows security features, network connectivity applications included with Windows 7, and mobile computing. Students will also learn to maintain systems, including monitoring for and resolving performance and reliability issues. This course will also cover basic Windows PowerShell syntax. This Microsoft Official Academic Course helps to prepare the student for the Microsoft Certified Technology Specialist examination, 70-680: Windows 7, Configuring.

BAKER ENGINEERING

A yearlong program of four courses. These courses will be held at the CFI-West Campus. Students allowed one hour release. If LCS is closed, the Baker class is not held. (VPA, Math-R)

EGR105 - Introduction to Engineering and Design - Surveys the profession of engineering through analysis, design and problem-solving examples. This course also introduces students to engineering sketching.

EGR171 - Computing for Engineers - Introduces students to programs useful for solving engineering problems. Covers the design and implementation of algorithms and topics in computer programming: arrays, files, functions, pointers, and structured data types.

EGR111 Technical Communications for Engineering Sciences - Prepares students to communicate technical information in written, digital and oral forms in an effective manner to a variety of audiences. Use of supporting computer software is emphasized. 4 QH.

MTH401 Statistical Methods - Introduces students to data analysis, data-driven decision making, and various statistical methods including their applications. Methods covered include measures of central tendency, probability distributions, sampling and regression analysis. 4 QH.

Course Offerings

Career and Technical Education

The Lapeer County Educational and Technology Center located in Attica offers 19 programs, which provide students with marketable skills upon high school graduation. Brochures describing each program are available in the counseling office. Additional information may be obtained by calling the Ed-Tech Student Services Center at 664-1124.

Third and fourth year students are permitted to attend the Educational and Technology Center. Students attend either morning or afternoon sessions (no choice) at Ed-Tech, and also have three hours of regular classes at the home school. Ed-Tech programs are three class periods in length and grant three credits per semester.

Students accepted to attend the Educational and Technology Center would still be eligible to participate in school activities and athletics, and will receive a diploma from East or West upon graduation. Requirements for graduation remain the same for students enrolled in an Ed-Tech program.

Students who plan to attend Ed-Tech should:

- Take the required courses needed for graduation
- Attend the Ed-Tech orientation seminar and tour given by the counselors during 10th grade
- Apply for admission to the Ed-Tech Center in the counseling office during 10th or 11th grades
- Follow the transportation policy of Lapeer Community Schools.

AS1-AS2 Agriscience/Horticulture	3 class periods	6 credits	11 – 12
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Introduction to plant and animal science with specialization in veterinary science, landscaping, and floral design with focus on growing, harvesting, processing, and marketing plants and animals. Possible certifications: Student Level Michigan Certified Florist, Michigan Nursery & Landscaping Association Endorsed Certificate, Pesticide Applicators License, Certified Artificial Insemination Technician. (VPA) (MathR)

AM1-AM2 Automotive Mechanics	3 class periods	6 credits	11 – 12
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Introduction to automotive design and engineering with focus on electrical systems, brakes, suspension and electronic ignition. Possible certifications: State Certifications: Brakes, Steering/Suspension, Electrical, Engine Performance (MathR) (VPA)

CR1-CR2 Collision Repair	3 class periods	6 credits	11 – 12
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Introduction to automotive design and frame straightening with focus on refinishing, replacing and repairing damaged auto body panels. Possible certifications: I:CAR Qualification, ASE and State (MathR) (VPA)

CD1-CD2 Computer Aided Drafting (CAD)	3 class periods	6 credits	11 – 12
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Introduction to mechanical and architectural design and animation with focus on mechanical drawing, design and model creation. Possible certifications: Auto CAD Certification, Solid Works Certification (MathR)

CN1-CN2 IT Net (Computer Networking)	3 class periods	6 credits	11 – 12
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Introduction to the IT industry, personal computers, hardware, operating systems, and fundamental networking concepts and technologies. Possible certifications: CompTIA A+, Cisco CCENT, Cisco CCNA (MathR) (VPA)

Course Offerings

Career and Technical Education

BT1-BT2	Construction Trades	3 class periods	6 credits	11 – 12
Introduction to construction management with focus on residential carpentry and masonry. Possible certifications: Heavy Equipment Operators License, Builders License (MathR)				
CO2	Cosmetology	3 class periods	6 credits	11 – 12
Training to become a board certified cosmetologist with focus on cutting, coloring, perming, styling, skin care, nail care, retailing, salon management and customer service. Possible certifications: State Board Licensure (MathR) (VPA)				
CA1-CA2	Culinary Arts	3 class periods	6 credits	11 – 12
Chef preparation with focus on nutrition, proper cooking techniques, menu planning and safety and sanitation. Possible certifications: NRA ServSafe Certification (VPA)				
DT1-DT2	Diesel Technology	3 class periods	6 credits	11 – 12
Introduction to mechanical and energy engineering with focus on diagnosis, repair, and maintenance of medium and heavy-duty trucks and tractors. Possible certifications: Michigan Mechanic License, Safety Certification, CVSA Air Brake Certification (MathR) (VPA)				
IM1-IM2	Digital Media Arts	3 class periods	6 credits	11 – 12
Introduction to graphic design, digital photography, audio and video production, filmmaking, web design, and animation. Possible certifications: Adobe Certified Expert, Adobe Certified Associate, CIW Site Design Specialist (MathR)				
CE1-CE2	Careers in Education	3 class periods	6 credits	11 – 12
Introduction to early elementary education, public and private preschool and day care center. Possible certifications: First Aid/CPR certification, Child Development Associate National Credential (2 nd year) (MathR) (VPA)				
MX1-MX2	Mechatronics	3 class periods	6 credits	11 – 12
Introduction to the study of integration of mechanical, electrical (electronics), fluid power (hydraulics or pneumatics), and computer technologies to control machine movements. The program provides the knowledge and skills for entry-level positions in automation-related jobs. Examples would be robot installation and maintenance, automation equipment installation, troubleshooting and maintenance, and PLC (programmable logic controller) programming.				
HO1-HO2	Health Occupations	3 class periods	6 credits	11 – 12
Introduction to medical professions with focus on career exploration, basic patient care skills, anatomy and physiology and medical terminology. Possible certifications: First Aid/CPR certification, Certified Nursing Assistant (2 nd year) Enrollment in Health Occupations II is dependent upon selection criteria.				
PS1-PS2	Public Safety / Protective Services	3 class periods	6 credits	11 – 12
Introduction to law enforcement, firefighting, EMS, corrections, industrial and corporate security. Possible certifications: First Aid/CPR certification, Certified Emergency Dispatcher, Community Emergency Response Team, Career Safe (VPA) (MathR)				

Course Offerings

Career and Technical Education

RV 1-RV2	Recreational Vehicle Repair	3 class periods	6 credits	11 – 12
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Introduction to recreational vehicle design and engineering with focus on two- and four-cycle gasoline engines and controls on motorcycles and ATV's Possible certifications: EETC Technician Certification (4-Stroke, 2-Stroke, Electrical), Michigan Master Motorcycle Mechanic (VPA)

HS1 –HS2	Health Science Professions	3 class periods	6 credits	11 – 12
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First year students will focus on a wide variety of medical careers. They will explore all five pathways of the Health Science cluster while paying close attention to Diagnostic and Therapeutic Services. This class provides the returning highly motivated, second year student an in depth study of a specific medical field.

REP1-REP2	Residential Electrical, Plumbing & HVAC (Construction Technology II)	3 class periods	6 credits	11 – 12
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Introduction to HVAC and electrical design and engineering with focus on electrical wiring, plumbing, heating, air conditioning and sheet metal Possible certifications: HVAC Core: Refrigerant and Recovery Certification (MathR)

ME1-ME2	Marketing & Entrepreneurship	3 class periods	6 credits	11 – 12
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Introduction to marketing, entrepreneurship and building wealth. Possible certifications: ASK Certification – Assessment of Skills and Knowledge for Business (VPA) (MathR)

WM1-WM2	Welding and Machining Technology	3 class periods	6 credits	11 – 12
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Introduction to fabrication, welding engineering and mechanical design with focus on production of metal products using Mill, Lathe, CNC, ARC, MIG and TIG welding equipment. Possible certifications: AWS – American Welding Society (VPA) (MathR)

Academic Policies

EARNING CREDIT

The following table summarizes different ways to earn credit at Lapeer Community Schools. Options for credit outside of the regular student day likely require registration fees. Please review the Academic Policies section and district policies and guidelines for more details regarding the specific requirements for obtaining credit in the options summarized below.

Option	Description	Grade & Credit Earned
Regular School Day Enrollment	Traditional School Program	Student receives grade and credit.
District Sponsored Summer School & After School Campus	Students may earn first time credit in district sponsored and/or district approved summer school sessions and district sponsored and/or approved after school campus sessions. Student earns passing grade (60% or higher).	Student receives grade and credit.
Out-of-District Summer School	Students may earn credit in out of district sponsored and/or approved summer school sessions. Student earns passing grade (60% or higher).	Student receives credit and grade.
Testing Out	Student receives at least a C+ (77%) on the district testing out exam that includes common assessment.	Student receives credit only and no grade.
Online Experiences Including MVU taken as a part of the School Day	Students may earn credit in district sponsored and/or approved online sessions. Student enrolls in this experience as part of the traditional school day, and earns a passing grade (60% or higher).	Student receives grade and credit.
Online Experiences Including MVU taken in addition to the School Day	Student enrolls in this experience outside of the traditional school day, and earns a passing grade (60% or higher).	Student receives credit only and no grade.
Dual Enrollment	Students meeting dual enrollment criteria may elect to earn high school credit when taking dual enrollment courses.	If the student elects HS credit, and receives a passing grade, the student receives grade and credit.
Guest Student	Student enrolls in college course as a guest student and not dually enrolled. Student receives passing grade.	Student receives credit only and no grade.
Correspondence Course	Student takes a correspondence course through an accredited program approved by the district and receives a passing grade (60% or higher).	Student receives credit and grade.
Repeating a Course taken in grades 9-12	HS students receiving credit in a MMC core course may repeat a course if seats are available.	If the credit was earned after the start of the 9 th grade year, the original credit and grade remain on the transcript. The original credit will turn into elective credit on the transcript.
High School Credit Earned Prior to 9th Grade	Students may earn HS credit prior to 9 th grade.	Credits earned appear on transcript and are reported as a grade.
Repeating a HS Course taken prior to 9th grade	Students completing high school MMC courses and receiving credit prior to 9 th grade may elect to retake the course.	The course taken in grades 9-12 will replace the previous credit earned, and will be recorded on the HS transcript with the credit and grade.

Academic Policies

CREDIT DEFICIENCIES

Required credits failed must be made up. A student with “credit deficiencies” is encouraged to earn “make-up credits” by enrolling in a variety of ways. **Approval by the Guidance Department is required prior to enrolling in a “make-up subject.”** Other options may be discussed with your counselor.

- a. **After-School Campus:** A student may enroll by signing up through the counseling office.
- b. **Summer School:** A student may enroll in each of the three summers between his/her freshman and senior years.
- c. **Online classes:** Students may earn credit in district sponsored and/or approved online sessions. Any exceptions or variation to the above will be addressed through the Academic Exceptions Committee or through the development of a Personal Curriculum.

ELIGIBILITY

A student must be “academically eligible” as a condition for participating in high school athletics, after-school clubs, and extracurricular activities. For specific details see Athletics Handbook or Student Clubs Handbook.

STUDENT PLACEMENT

Student placement is dependent on the following: 1) natural progression, 2) grades, 3) placement test, 4) teacher recommendation, and 5) standardized tests.

TEACHER / COURSE EXPECTATIONS

For a student to receive credit for a subject, all course expectations as required by the teacher must be completed.

TRANSFER STUDENTS

Granting or denying credit for transfer students is the option of the local school district. Students transferring from comprehensive public or private high schools accredited by North Central Association or similar agencies will receive comparable credit and letter grades. Transfer students must complete at least the final term of attendance to qualify for a diploma.

Transfer students are encouraged to enroll at the beginning of each term, as it is often difficult to coordinate curriculum between schools.

Homeschoolers are encouraged to enroll at the beginning of each term. In the event this is not possible and the student must enroll after the start of the term, the student will be allowed to audit classes at Lapeer High School or enroll for credit at Lapeer Community High School, if space is available. Credit can only be earned by completing a full term.

Students transferring from non-accredited schools, specialized schools, correspondence schools or home-based schools will receive credit and/or letter grades based on the following criteria:

- If the curricula are comparable, credit earned at the previous school will be granted.
- If the curricula are not comparable, the student may be given a comprehensive examination and/or assessment on the curriculum for which the student is seeking credit.
- If the performance is satisfactory, the student will be granted credit toward graduation, but will receive no letter grade.
- If the performance is unsatisfactory, the student will not receive credit. To receive credit for that curriculum the student will be required to take coursework at an accredited high school.

Grades for students transferring midterm will be determined collaboratively between sending and receiving schools and/or teachers.

Academic Policies

GRADUATION PARTICIPATION

Graduation related ceremonies include commencement, baccalaureate and swing-out.

Currently enrolled Lapeer Community Schools students may participate in graduation related ceremonies if they have fulfilled all financial obligations to school, returned all school property and met one of the following criteria.

1. Seniors who have successfully completed all requirements for graduation as defined in Board Policy 5460.
2. Special education students who have completed 4 years of school and qualify to receive a Certificate of Attendance.
3. Students enrolled through a foreign exchange program and qualify to receive an Honorary Diploma.

ACADEMIC AWARD AND HONORS PROGRAM

Levels of Recognition and Criteria:

Graduate Recognition

- **Scholars of Highest Distinction**
(Gold Stole)
 - Cumulative GPA of 4.0 and above (5.0 scale for AP)
 - ACT 30 and above/SAT score TBD based on ACT-SAT Concordance Chart (or highest 10 scores)
- **Scholars of Distinction**
(Gold Cords)
 - Cumulative GPA of 3.75 and above (5.0 scale for AP)
- **Scholars of Achievement**
(Silver Cords)
 - Cumulative GPA of 3.5 and above (5.0 scale for AP)

Undergraduate Recognition: Students earning a 3.5 or greater will receive an academic letter/varsity bar.

Michigan Student Test of Educational Progress (M-STEP)

Participation in the M-STEP is a requirement for graduation. M-STEP incorporates students' ACT/SAT scores with additional State of Michigan skill evaluations. All students will take the tests in their junior year. The ACT/SAT score is reportable to the colleges of their choice so that an additional test for college entrance should not be necessary.

Academic Exceptions

Students striving to reach their maximum individual potential may be allowed to design unique, flexible, comprehensive programs of study, which meet their needs (SB Policy 2370). This includes students requesting to waive the four year attendance requirement and who wish to graduate early. The district has instituted several processes and alternatives for creating and developing flexible high school programs for students. The Academic Exceptions Committee (AEC) oversees the design of a flexible course of study leading to a high school diploma.

Members of the **Academic Exceptions Committee (AEC)** include: principal, counselor, district administrator, an instructional staff member (selected by the student/parent), and the student and his/her parents(s). The

purpose of this committee is to design an individual Educational Development Plan (EDP) for the student. Students interested in completing an academic exception should contact their counselor.

INDEPENDENT STUDY

Offered to junior and/or senior students who are self-disciplined, able to work independently, and have the ability to monitor their own progress. There are two options:

1. Course offered in the curriculum but not taught in a given year or there is an irresolvable conflict in the student’s schedule;
2. Specifically designed course providing a student with an intensive study in a particular discipline.

ONLINE LEARNING EXPERIENCE

High school students may elect to earn some credits through a virtual learning environment. The course must be taught by a certified teacher and sponsored by a regionally accredited high school. Students interested in earning credit in this manner should see their counselor.

PERSONAL CURRICULUM

In April 2006, Public Acts 123 & 124 were passed and beginning with the class of 2011, they specified the minimum required credits to graduate from a Michigan public high school. These required credits are known as the Michigan Merit Curriculum. Public Act 141 allows modifications to these credits. Modifications of Michigan Merit Curriculum are limited to the following four options:

<input type="checkbox"/>	<p><u>Available To All Students</u> A student who wishes to complete additional credit, beyond the number that is already required, in English language arts, mathematics, science or a language other than English, by modifying a credit from Social Studies, Health & Physical Education, or Visual, Performing & Applied Arts. Modification to Social Studies is allowed only after completing 4 credits of Social Studies which included Civics. English Language Arts & Science credit requirements are not subject to modification under this subsection of personal curriculum.</p>
<input type="checkbox"/>	<p><u>Available To All Students</u> A student, after successfully completing (without necessarily having attained a passing grade in) Algebra I and 1 credit (Term A) of Geometry as stipulated in the Michigan Merit Curriculum, wishes to modify the math requirement must complete 1 of the following:</p> <ol style="list-style-type: none"> 1. Successful completion of 7 math or math-related credits, including 2 Algebra, 2 Geometry and 1 Algebra II. 2. Complete a two year Career & Technical education curriculum, which includes 1 credit of Algebra II content. <p>A student must successfully complete at least 1 mathematics term during his or her final year of high school.</p>
<input type="checkbox"/>	<p><u>Available To Students with an IEP</u> A student with a disability who needs to modify any of the credit requirements. The modification, which is necessary because of the pupil’s disability, is to be consistent with both the pupil’s educational development plan and their individualized education program (IEP). Their IEP will identify the appropriate course or courses of study and the support, accommodations, and modifications necessary to allow the pupil to progress in the curricular requirements.</p>
<input type="checkbox"/>	<p><u>Available to Transfer Students with 2 Years of HS Credit</u> A student who has transferred from out of state, home school, or non public school with two years of high school credit. Their Personal Curriculum plan must include a civics credit, and math credit in their final year of high school. If the student is enrolled in a Michigan public high school for more than one full year, the final year of math must be the equivalent of Algebra I or a math course normally taken after completing Algebra I.</p>

If you are interested in seeking a personal curriculum please contact your counselor. Personal curriculums must be approved.

TESTING OUT

Schools are required by PA 335, Section 1279B, to provide students with the opportunity to test out of any course. Students must exhibit mastery of the subject matter by attaining a grade of not less than C+ in a comprehensive examination. In addition, students may be required to provide a portfolio, performance, paper, project or presentation if it is a requirement for all students in that course. Credit earned is based on “pass” and will not be included in a computation of grade point average. Credit will be counted toward fulfillment of a requirement as to course sequence. Once a credit is earned, a student may not receive credit in a course lower in the course sequence in the same subject area. Testing out registrations are available in the counseling office. Tests are administered twice per year at times near the end of each semester. Specific dates, deadlines, and procedures can be obtained by contacting the counseling office.

Academic Eligibility

A student must be academically eligible as a condition for participating in (a) high school athletics or (b) extra-curricular activities.

EXTRA CURRICULAR ELIGIBILITY (including Athletics)

To be eligible to participate in extracurricular programs, Lapeer Community School District students must meet the minimal eligibility standards provided by Michigan High School Athletic Association (MHSAA) and Lapeer Community Schools. For specific details regarding eligibility, see Lapeer Community Schools Athletic Handbook and Student Club Handbook.

NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA)

Classes meeting NCAA core course guidelines are designated in the course descriptions. Students considering participating in college athletics must choose NCAA approved courses. **Students and their parents are responsible for developing a four-year plan that meets the core requirements as determined by NCAA. It is the responsibility of the student who is planning to play college level sports to register with the NCAA Initial Eligibility Center at the completion of their junior year.**

**Registration may be completed at www.eligibilitycenter.com*

Post-Secondary Planning

COLLEGE & CAREER READY

The following information is taken from the Michigan Department of Education website (www.michigan.gov/mde). More information on this topic can be found by choosing the tab for the Michigan Career and College Ready Portal at that site.

Why Career & College Ready?

- 9 out of 10 jobs require education beyond high school.
- 33% of Michigan’s high school graduates enrolled in the state’s public colleges (including research, state colleges, universities and two-year colleges) require remediation/learning support upon entry.
- Students who complete a bachelor’s degree will earn more than \$2.5 million dollars more than students who do not earn a diploma.

What is Career & College Ready?

Students that are Career- and College- ready:

- Use technology and tools strategically in learning and communicating
- Use argument and reasoning to do research, construct arguments, and critique the reasoning of others
- Communicate and collaborate effectively with a variety of audiences
- Solve problems, construct explanations and design solutions

Career Planning

All students who graduate from Lapeer Community Schools will have the necessary skills and preparation to enter the workforce or to pursue further education.

STUDENT PORTFOLIO

Each student is encouraged to establish and maintain a student portfolio. The purpose will be to allow students to document their academic, extra-curricular, employment experience, community services, and awards and honors. Students should include samples of writing from the English classes and other academic subjects. A portfolio is a personal collection that reflects one's accomplishments. It will create a favorable impression with future employers and/or with college admissions counselors.

EDUCATIONAL DEVELOPMENT PLANS (EDPs)

An EDP is a six year plan that provides a structure for planning coursework for high school and post-secondary education. Students will use the EDP to focus their studies and plan courses in order to appropriately prepare for graduation and the transition to college, trade school, or work. EDPs are required for all students before entering high school which would include discussions about **Career Pathways**. Students will develop and update their EDP through the Career Cruising program. Parental guidance is critical.

CAREER PATHWAYS

Students are encouraged to explore the many career possibilities that exist in the world today as well as to consider careers that may be part of their future. Career Pathways assist students in this exploration process. Hundreds of jobs exist in each of the Career Pathways. Information for each Pathway is provided on pages 95-98 including a listing of occupations requiring different levels of education and emerging or fast growing occupations. Also included are suggested high school courses to explore and/or prepare for training or employment in the Pathway.

Why is Career Planning Important?

Today's job market demands a highly skilled work force. Many new jobs require at least one or more years of education beyond high school. So the courses you select in high school can prepare you for further education and employment. To be successful in today's labor market, young people need to be prepared with a school and employment record that shows high academic achievement, and good attendance, and that you are driven by a purpose and have goals.

Plan of Action

Goals are essential to your academic and occupational career. Goals are your road map, giving a destination and a route.

Where can I get more Information?

Resources for students and parents:

The Michigan College Access Network, MCAN, is a non-profit organization whose mission is to increase college readiness, participation and completion in Michigan by supporting community-based college access strategic programs. Their goal is to increase post-secondary degrees to 60% by the year 2025. Their website is www.micollegeaccess.org.

The Michigan College Access Portal: Michigan CAP. Through www.michigancap.org, you are able to Search for Colleges, Create a College List, Compare Colleges, Navigate the Application Process, as well as find pertinent information about colleges, scholarships and financial aid to help you make decisions.

Students and parents will find www.knowhow2gomichigan.org as a helpful site in preparing for post-secondary goals, as it includes a variety of information specific to middle school and high school students, academics and financial aid.

Information regarding federal funds for college through the Free Application for Federal Student Aid can be found at www.fafsa.ed.gov. Families can estimate their eligibility on the fafsaforecaster.

The Michigan Department of Education website: Michigan.gov/mde is a valuable site to search for college and career readiness information. And especially helpful with many links is the Michigan Career and College Ready Portal for students, parents, teachers and businesses.

- Michigan Occupational Information Systems (MOIS) www.mois.org
- www.careercruising.com
- www.lapeerschools.org/lehs
- www.lapeerschools.org/lwhs
- www.michigan.gov/careers

What are the 6 Career Pathways?

Arts and Communication

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

Business, Management, Marketing & Technology

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

Engineering/Manufacturing & Industrial Technology

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

Health Sciences

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

Human Services

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

Natural Resources & Agriscience

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

Exploring Career Pathways

How can Career Pathways help me?

By exploring career majors and suggested pathways now, you can expand your choices for the future. The courses you select in high school can greatly assist your future career development. Career Pathways have been developed for you and your family to use to help make your career and college decisions easier.

By exploring different career pathways, you will see now many of the things you study (math, science, social studies) in school are important in many careers. When you see a connection between what you are learning in school and the demands of the workplace and college admissions requirements, chances are school will mean more to you. Plus you will be more motivated because you will be in charge of where you are going, and pursuing interests and activities that matter to you.

Career Pathways

Arts and Communications

What Are the Six Career Pathways?	Is This Career Path for You?	Career Categories	Courses in School	Sample Careers and Levels of Required Edu.
<p>Careers in this path are related to the humanities and performing, visual, literary, and media arts. These include architecture; graphic, interior, and fashion design; writing; film; fine arts; journalism; languages; media; advertising; and public relations.</p>	<p>Are you a creative thinker? Are you imaginative, innovative, and original? Do you like to communicate ideas? Do you like making crafts, drawing, playing a musical instrument, taking photos, or writing stories? This may be the career path for you!</p>	<p>Advertising and Public Relations Creative Writing Film Production Foreign Languages Journalism Radio and TV Broadcasting</p>	<p>Journalism Graphic Arts Language Arts Fine Arts Courses (Arts, Drama Music) Architectural Drafting and Design Sculpture Photography</p>	<p>Public Relations Executive UG Dancer D Film Producer HS Fashion Designer UG Journalist UG Radio and TV Broadcaster HS</p>

Business, Management, Marketing, and Technology

What Are the Six Career Pathways?	Is This Career Path for You?	Career Categories	Courses in School	Sample Careers and Levels of Required Edu.
<p>Careers in this path are related to the business environment. These include entrepreneur, sales, marketing, computer/information systems, finance, accounting, personnel, economics, and management.</p>	<p>Do you enjoy being a leader, organizing people, planning activities, and talking? Do you like to work with numbers or ideas? Do you enjoy carrying through with an idea and seeing the end product? Do you like things neat and orderly? Would you enjoy balancing a checkbook, following the stock market, holding an office in a club, or surfing the Internet? This may be your career path!</p>	<p>Accounting Office Administration Business Ownership Economics Personnel Hospitality/Tourism Management Computer/Information Systems Marketing Sales Finance</p>	<p>Math Language Arts Computer Science Business Management Entrepreneurship Computer Support Accounting Marketing</p>	<p>Loan Officer UG Economist UG Legal Secretary HS Hotel Manager HS Office Manager HS Computer Programmer HS Salesperson D Travel Agent HS</p>

Career Pathways

Health Sciences

What Are the Six Career Pathways?	Is This Career Path for You?	Career Categories	Courses in School	Sample Careers and Levels of Required Edu.
<p>Careers in this path are related to the promotion of health and treatment of disease. These include research, prevention, treatment, and related health technologies.</p>	<p>Do you like to care for people or animals who are sick or help them stay well? Are you interested in diseases and in how the body works? Do you enjoy reading about science and medicine? Would it be fun to learn first aid or volunteer at a hospital or veterinary clinic? This may be your career path!</p>	<p>Dentistry Hygiene Medicine Nursing Nutrition and Fitness Therapy and Rehabilitation</p>	<p>Language Arts Biological Sciences Chemistry Health Education Animal Care Nutrition Math Physics</p>	<p>Dentist G Dental Hygienist UG Doctor G Veterinary Technician UG Respiratory Therapist UG Physical Therapist G</p>

Human Services

What Are the Six Career Pathways?	Is This Career Path for You?	Career Categories	Courses in School	Sample Careers and Levels of Required Edu.
<p>Careers in this path are related to economic, political, and social systems. These include education, government, law and law enforcement, leisure and recreation, military, religion, child care, social services, and personal services.</p>	<p>Are you friendly, open, understanding, and cooperative? Do you like to work with people to solve problems? Is it important to you to do something that makes things better for other people? Do you like to help friends with family problems? Do you like reading, storytelling, traveling, or tutoring young children? This could be your career path!</p>	<p>Human Services Education Child and Family Services Food and Beverage Service Law and Legal Studies Law Enforcement Cosmetologist Social Services</p>	<p>History Political Science Social Studies Language Arts Cosmetology Psychology Culinary Arts Child Care</p>	<p>Chef HS Teacher UG Lawyer G Police Detective HS Cosmetologist HS Social Worker UG Librarian G Firefighter HS</p>

Career Pathways

Engineering/Manufacturing and Industrial Technology

What Are the Six Career Pathways?	Is This Career Path for You?	Career Categories	Courses in School	Sample Careers and Levels of Required Edu.
Careers in this path are related to technologies necessary to design, develop, install, and maintain physical systems. These include engineering, manufacturing, construction, service, and related technologies.	Careers in this path are related to technologies necessary to design, develop, install, and maintain physical systems. These include engineering, manufacturing, construction, service, and related technologies.	Architecture Precision Production Mechanics and Repair Manufacturing Technology Engineering and Related Technologies Drafting Construction	Drafting Science Robotics Machine Tools Physical Sciences/Physics Industrial/Mechanical Drafting Math Electronics	Architect G Plumber HS Electrician HS Air Traffic Controller HS Auto Mechanic HS Chemical Engineer UG Draftsman HS Surveyor HS Geographer UG

Natural Resources and Agriscience

What Are the Six Career Pathways?	Is This Career Path for You?	Career Categories	Courses in School	Sample Careers and Levels of Required Edu.
Careers in this path are related to agriculture, the environment, and natural resources. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture, and wildlife.	Are you a nature lover? Are you practical, curious about the physical world, and interested in plants and animals? Do you enjoy hunting or fishing? Do you like to garden or mow the lawn? Are you interested in protecting the environment? This could be your career path!	Agriculture Animal Health Care Earth Sciences Environmental Science Fisheries Management Wildlife Management Horticulture Forestry Life Sciences	Agriculture Astronomy Chemistry Biological Sciences Animal Science Math Botany Geography	Farmer HS Oceanographer UG Physicist G Landscape D Marine Biologist G Conservation Agent UG Chemist UG Forester UG

Six Year Plan (EDP)

Name _____ Year of Graduation _____ Phone _____ Parent(s) Signature _____	Career Pathways <input type="checkbox"/> Arts/Communication <input type="checkbox"/> Business/Management <input type="checkbox"/> Health Sciences <input type="checkbox"/> Human Services <input type="checkbox"/> Industrial/Engineering <input type="checkbox"/> Natural Resources	Post Secondary Education Goal <input type="checkbox"/> College/University Preparation <input type="checkbox"/> Community College/Technical Preparation <input type="checkbox"/> Direct entry into work force Preparation																																																															
Grade 7 Year __/__/__ <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 45%;">Fall</th> <th style="width: 50%;">Spring</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td style="text-align: center;">Eng</td><td style="text-align: center;">Eng</td></tr> <tr><td style="text-align: center;">2</td><td style="text-align: center;">Math</td><td style="text-align: center;">Math</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: center;">Science</td><td style="text-align: center;">Science</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: center;">S Studies</td><td style="text-align: center;">S Studies</td></tr> <tr><td style="text-align: center;">5</td><td style="text-align: center;">Health/PE</td><td style="text-align: center;">Composition 7</td></tr> <tr><td style="text-align: center;">6</td><td></td><td></td></tr> </tbody> </table>		Fall	Spring	1	Eng	Eng	2	Math	Math	3	Science	Science	4	S Studies	S Studies	5	Health/PE	Composition 7	6			Grade 8 Year __/__/__ <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 45%;">Fall</th> <th style="width: 50%;">Spring</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td style="text-align: center;">Eng</td><td style="text-align: center;">Eng</td></tr> <tr><td style="text-align: center;">2</td><td style="text-align: center;">Math</td><td style="text-align: center;">Math</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: center;">Science</td><td style="text-align: center;">Science</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: center;">S Studies</td><td style="text-align: center;">S Studies</td></tr> <tr><td style="text-align: center;">5</td><td></td><td></td></tr> <tr><td style="text-align: center;">6</td><td></td><td></td></tr> </tbody> </table> <p style="margin-top: 10px;"> Career Exploration Explore: (top three test areas) 1. _____ 2. _____ 3. _____ </p> <p> CII results: (top three career matches) 1. _____ 2. _____ 3. _____ </p>		Fall	Spring	1	Eng	Eng	2	Math	Math	3	Science	Science	4	S Studies	S Studies	5			6			Grade 9 Year __/__/__ <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 45%;">Fall</th> <th style="width: 50%;">Spring</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td style="text-align: center;">Eng</td><td style="text-align: center;">Eng</td></tr> <tr><td style="text-align: center;">2</td><td style="text-align: center;">Math</td><td style="text-align: center;">Math</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: center;">World Hist</td><td style="text-align: center;">World Hist</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: center;">Biology</td><td style="text-align: center;">Biology</td></tr> <tr><td style="text-align: center;">5</td><td style="text-align: center;">World Language</td><td style="text-align: center;">World Language</td></tr> <tr><td style="text-align: center;">6</td><td></td><td></td></tr> </tbody> </table> <p style="margin-top: 10px;"> Career Explored _____ Ed-Tech Goal _____ _____ PSAT 9 Test Results _____ _____ </p>		Fall	Spring	1	Eng	Eng	2	Math	Math	3	World Hist	World Hist	4	Biology	Biology	5	World Language	World Language	6		
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Students are required to complete 2 years (4 semesters) of the same world language. In addition, they must complete health and physical education prior to graduation. Students must plan accordingly.

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7000 B	Exploratory Art B	6 – 7	
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031	Sculpture	10 – 12	1
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8151	Technology for Life	8	
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116 A & B	Accounting II - A & B	10 – 12 *(9)	1
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139	Business Math	12	1
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241	Argumentation & Debate	10 – 12	1
243	Drama Literature	10 – 12	1

English		Grades	Cr
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245	Contemporary American Literature	11 – 12	1
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252BD	Creative Writing Intro.	6 – 9	1
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457	Foods and Nutrition II	9 – 12	1
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469	Child Development II	11 – 12	1
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401	Woods II	10 – 12	2
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403	Woodworking Techniques	9 – 12	1
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412	Metals III	11 – 12	2
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422	Electronics	10 – 12	1
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7540 8540			
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8603	8 th Grade Symphony Band	8	
603	9 th Grade Concert Band	9	2
604	9 th Grade Symphony Band	9	2
600	Concert Band	10 – 12	2
601	Symphony Band	10 – 12	2
602	Jazz Band	10 – 12	2
605	Wind Ensemble	10 – 12	2
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8607	8 th Grade Choir	8	
8608	8 th Grade Advanced Choir	8	
614	9 th Grade Advanced Choir	9	2
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610	Treble Choir (female only)	10 – 12	2
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612	Honors Choir	10 – 12	2
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7653	Physical Education 7/Health	7	
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8670	Personal Fitness	8	
650	Physical Education	9 – 12	1
651	Health	9 – 12	1
652	Lifetime Fitness I	9 – 12	1
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772	PLTW Prin. of Biomed. Sciences	9 – 12	2
774	PLTW Principles of Engineering	10 – 12	2
8716	PLTW Medical Detectives	8	1
775 A&B	PLTW Human Body Systems	9 – 12	2

Social Studies		Grades	Cr
6800	Social Studies 6	6	
7800	Social Studies 7	7	
8810	Social Studies 8	8	
825	World History	9	2
828	AP World History	9 – 12	2
845	Civics	10	2
846	Economics	10	1
851	US History (1877 – Present)	11	2
853	AP United States History	11 – 12	2
862	AP US Gov. and Politics	10 – 12	2
869	AP Psychology	11 – 12	2
870	Psychology	11 – 12	1
871	Sociology	11 – 12	1
877	Criminology A and B	11 – 12	1
880	Amer Wars: Independence – Expansion	9 – 12	1
881	Amer Wars: Civil - World War	9 – 12	1
882	Amer Wars: 20 th Cent. & Beyond	9 – 12	1
883	The Civil Rights Movement	10 – 12	1
886	American Sports History A	9 – 12	1
887	American Sports History B	9 – 12	1
888	Humanities I	9 – 12	2
889	Humanities II	9 – 12	2
890	The American West	9 – 12	1
891	The American Jury	9 – 12	1
892	Women in America	9 – 12	1
840	Current Events	11 – 12	1
World Language		Grades	Cr
7346	Exploratory French	6 – 7	
300	French I	7 – 12	2
301	French II	8 – 12	2
302	French III	9 – 12	2
303	French IV	10 – 12	2
304	AP French Language	11 – 12	2
306	French Culture A	10 – 12	1
307	French Culture B	10 – 12	1
7366	Exploratory Spanish	6 – 7	
310	Spanish I	7 – 12	2
311	Spanish II	8 – 12	2
312	Spanish III	9 – 12	2
313	Spanish IV	10 – 12	2
314	AP Spanish and Culture	11 – 12	2
315	Spanish & Latin American Culture A	10 – 12	1
317	Spanish & Latin American Culture B	10 – 12	1
385	American Sign Language I	9 – 12	2
387	American Sign Language II	10 – 12	2
389	Exploration in World Languages	6 – 12	2
Yearbook		Grades	Cr
7150	Publications 7	7	
8165	Publications 8	8	
901	Student Publications	9 – 12	2
Special Programs		Grades	
6400	Teen Survival Skills	6	
7870 & 8870	Service Learning	7 – 8	
950	Guided Academics	9 – 12	1
952	Strategies for Success	11	2
955	Career Readiness	10 – 12	1
957	Peer Tutoring	11 – 12	1
970	Technology Assistant	10 – 12	1
958	Human Services	9 – 12	1
991	LINKS	11 – 12	1
9DE	Dual Enrollment	11 – 12	
9DP	Deep (COC) Dual Enrollment	11 – 12	