

# 2011-2012

---

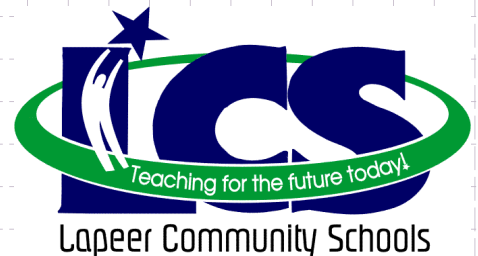
## Course Offering Catalog



**Lapeer East  
High School**



**Lapeer West  
High School**



**“Lapeer Community Schools  
is a dynamic community  
organization embracing  
our students with a quality  
learning environment,  
developing independent  
and confident learners  
for the future.”**

# **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.  
January 2010

Dear Parents/Guardians and Students:

The Staff and Administration of Lapeer East and Lapeer West High Schools have compiled the Lapeer Community Schools High School Course Offerings Catalog for the purpose of assisting parents and students with educational and career planning. In this catalog, you will find the following:

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

Please take the time to read the contents of this catalog. If you have questions, please contact your child's counselor. We encourage students and parents to review this catalog together and to choose classes that will help students attain their academic and career goals.

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

Scott Roper  
Lapeer East Principal

Tim Zeeman  
Lapeer West Principal

## **Administrative and Counseling Staff**

### **Lapeer East High School – 667-2421**

Mike Hobolth ..... Assistant Principal  
Sharon Miller ..... Assistant Principal / Athletic Director  
Jeff Lorenz..... Counselor  
Dennis Warner ..... Counselor  
Susan Wilmers ..... Counselor

### **Lapeer West High School – 667-2426**

Dean Rothgeb ..... Assistant Principal  
Mary Haslinger ..... Assistant Principal / Athletic Director  
Karol Settergren ..... Counselor  
Brad Walker..... Counselor  
Dave Webster..... Counselor



# Table of Contents

---

REGISTRATION INFORMATION.....	3
GRADUATION REQUIREMENTS .....	4
ACADEMIC POLICIES .....	7
MICHIGAN MERIT EXAM .....	12
ACADEMIC EXCEPTIONS.....	12
ACADEMIC ELIGIBILITY.....	14
CAREER PLANNING .....	14
POST-SECONDARY PLANNING .....	15
COURSE OFFERINGS .....	16
Art Department.....	17
Business/Computer Department .....	20
English Department .....	26
Industrial Technology Department.....	32
Family and Consumer Science .....	35
Mathematics Department .....	36
Music Department.....	42
Physical Education/Health Department .....	44
Science Department .....	46
Social Studies Department.....	51
World Language Department .....	58
Yearbook .....	65
Special Education Department.....	66
Special Programs.....	68
Career and Technical Education .....	72
COURSE INDEX .....	76
CAREER PLANNING .....	78
EDUCATIONAL DEVELOPMENT PLAN (EDP).....	83

# Registration Information

---

1. Before entering high school, students should choose a career pathway and a post secondary education goal (See section “Career Planning” on pages 14 & 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 16). Questions about the courses should be addressed to the counselors or teachers.
4. **All** students will be required to enroll in five classes for three terms per year.
5. In order to provide greater educational opportunities for Lapeer East and Lapeer West students, the school district may offer some courses only at one of the two high schools. Students who elect these courses may be required to transfer between buildings. Transportation arrangements must be approved by the administration.
6. Lapeer students that are interested in attending a school building other than the one assigned by their residence, may request a building change for the following school year by completing a Schools-of-Choice (In District) form and returning it with schedule request information. More details regarding In District Schools-of-Choice information can be found on page 8.
7. Courses described in this booklet are offered based upon sufficient student demand and teacher availability determined by administration.
8. Juniors and seniors may enroll in a college course at a nearby college each term, if they meet the qualifications and conditions. (Refer to “Dual Enrollment:” on page 11).
9. Students interested in special programs including academic exceptions, dual enrollment, online learning, personal curriculum and independent study should contact their counselor.
10. 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 term.

# Graduation Requirements

---

In the spring of 2006, Governor Jennifer Granholm signed into law Public Act 123 & 124 which mandated one of the most comprehensive sets of high school graduation requirements in the nation called **Michigan Merit Curriculum**. This law is the result of a collaborative effort between politicians and educators to better prepare students for greater success and to secure the economic future of our state. The Michigan Merit Curriculum defines a common set of required credits for graduation and provides educators with a common understanding of what students should know and be able to do for credit. It also provides students the learning opportunity, knowledge and skills they need to succeed in college or the workplace.

The Michigan Merit Curriculum requires students beginning with the graduating class of 2011 to obtain a minimum number of credits in order to graduate and also defines many of the core courses that must be completed. These requirements apply to all students in public schools. The Michigan Merit Curriculum legislation allows modifications to these credits through a personal curriculum. For details regarding qualification for a personal curriculum, see page 13.

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.

- **MME** A student must complete all parts of the Michigan Merit Exam.
- **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 term. A full schedule consists of five credits per trimester.
- **TOTAL CREDITS REQUIRED** The total credits required for graduation on our trimester schedule is 57. One credit will be awarded for the successful completion of each term.

# Graduation Requirements

## Departmental Requirements

Students must fulfill all department requirements listed below for graduation.

English	(8) credits <input type="checkbox"/> (2) English 9 <input type="checkbox"/> (2) English 10 <input type="checkbox"/> (2) English 11 <input type="checkbox"/> (2) English 12
Math	(8) credits must include the following: <input type="checkbox"/> (2) Algebra I <input type="checkbox"/> (2) Geometry <input type="checkbox"/> (2) Algebra II <input type="checkbox"/> (2) Additional Math or Math related credits must be earned. At least (1) of which is earned during the senior year.
Science	** (6) credits must include: <input type="checkbox"/> (2) Chemistry or (2) Physics <input type="checkbox"/> (2) Biology ** (2) additional credits of science must be earned during high school
Social Studies	(6) credits must include: <input type="checkbox"/> (2) World History <input type="checkbox"/> (2) Civics/Economics <input type="checkbox"/> (2) US History
PE/Health	(1) credit Physical Education (PE) (1) credit Health
	Visual, Performing, Applied Arts (2) credits Courses meeting this requirement are designated in course descriptions and listed on page 6
Online Learning Experience	<i>This experience will be required for all Lapeer Community Schools students during their senior year English course.</i>

State Graduation Requirement	Additional Lapeer Courses Meeting State Requirements with Different Course Titles
Algebra I	Algebra I Concepts
Algebra II	Algebra II Concepts
Geometry	Geometry Concepts
US History	AP US History, Fundamental US History
Government/Economics	Civics/Economics
Physical Education	Lifetime Fitness, Advanced Physical Education
English 9	Fundamental English 9
English 10	Fundamental English 10
English 11	Fundamental English 11, *AP English Language & Composition 11
English 12	Fundamental English 12, *AP English Literature & Composition 12

\*This course is used to meet MMC requirement. Successful completion of all three terms 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
<b>Art</b>	Art I	<b>Skilled Trade @ Ed-Tech Center</b>	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
<b>Industrial Arts</b>	Woods I, Woods II, Woods III		Public Safety/Protective Services
	Woodworking Techniques		Recreational Vehicle Repair
	Metals I, Metals II		Sales & Marketing
	Robotics		
	Drafting I		
	Advanced Mechanical Drafting		
	Architectural Drafting		
	Drafting – Independent Study		
<b>Life Management</b>	Clothing Construction I	<b>Music</b>	Concert Band
	Clothing Construction II		Symphony Band
<b>Business</b>	Computer Apps for Desktop Pub. Publications		Jazz Band
			Mixed Chorus
<b>World Language</b>	Humanities		Treble Choir
	Humanities II		Concert Choir
			Music Theory and History

## 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
<b>Business</b>	Accounting I	<b>Skilled Trade @ Ed-Tech Center</b>	Agriscience/Horticulture
	Accounting II		Collision Repair
	Building Wealth		Automotive Mechanics
	Personal Money Management		Construction Technology
	Business Math		Computer Aided Design (CAD)
<b>Life Management</b>	Consumer Education		Computer Networking
			Cosmetology
<b>Science</b>	Physics		Culinary Arts
	Advanced Topics in Physics		Diesel Technology
			Digital Media Arts
<b>Industrial Arts</b>	Drafting		Early Childhood
	Woods I		Electronics
	Woods II		Health Occupations
	Woods III		Res. Electrical, Plumbing and HVAC
			Welding and Machining Technology
			Public Safety/Protective Services
			Recreational Vehicle Repair
			Sales & Marketing

# Academic Policies

## EARNING CREDIT

The following options to earn credit are available to Lapeer Community Schools students:

Option	Description	Grade & Credit Earned
<b>Regular School Day Enrollment</b>	80% Participation/Grades/Homework 20% Final Exam (7% Common Assessment) Student earns passing grade (60% or higher).	Student receives grade and credit.
<b>Excessive Absences</b>	Students exceeding (6) absences in a single term must attain both a minimum of 77% (C+) on the final exam and a minimum of 60% (D-) in the calculated term grade in order to receive credit.	Students not earning credit due to failing to meet the attendance guidelines will receive a letter grade of "E-A" on their transcript This "E-A" is calculated as 0.0 in the GPA.
<b>District Sponsored Summer School &amp; After School Campus</b>	Students may earn 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.
<b>Out-of-District Summer School</b>	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.
<b>Testing Out</b>	Student receives at least a C+(77%) on the district testing out exam that includes common assessment.	Student receives credit only and no grade.
<b>Online Experiences Including MVU taken as a part of the School Day</b>	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.
<b>Online Experiences Including MVU taken in addition to the School Day</b>	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.
<b>Dual Enrollment</b>	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.
<b>Guest Student</b>	Student enrolls in college course as a guest student and not dually enrolled. Student receives passing grade.	Student receives credit only and no grade.
<b>Correspondence Course</b>	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.
<b>Repeating a Course taken in grades 9-12</b>	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 <sup>th</sup> grade year, the original credit and grade remain on the transcript. The original credit will turn into elective credit on the transcript.
<b>High School Credit Earned Prior to 9<sup>th</sup> Grade</b>	Students may earn HS Credit prior to 9 <sup>th</sup> grade.	Credits earned appear on transcript and are reported as credit no grade.
<b>Repeating a HS Course taken prior to 9<sup>th</sup> grade</b>	Students completing high school MMC courses and receiving credit prior to 9 <sup>th</sup> grade may elect to retake the course.	The course taken in grades 9-12 will be recorded on the HS transcript with credit and grade. <b><i>The pre 9<sup>th</sup> grade course will not be listed on the HS transcript.</i></b>

# 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 in one to three classes after school each term. Sign 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.
- d. **Recycling** If a student fails to earn credit in a required departmental course, the student will be reenrolled in the course the following term. The student may enroll as needed for credit recovery. Students needing to earn make-up credit may only enroll if space is available.
- e. 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.

## SCHOOLS-OF-CHOICE (In District)

The Schools of Choice (In-District) program allows parents to request their children attend another building in the district other than the one assigned. The following guidelines pertain to the Schools of Choice (In-District) program:

- Requests are made for one school year and cannot be guaranteed for future school years.
- Requests are granted based on consideration of the following factors:
  1. Available space at the building and grade level;
  2. Students’ previous discipline, attendance, and tardy record;
  3. Students’ academic progress record.
- Students demonstrating on-going behavior issues, poor attendance and/or are frequently tardy, may have their school of choice revoked.
- Students attending a school by choice will not be provided district transportation except where it may be available within an existing bus route, time frame and bus seating capacity. Timeliness of the arrival of transfer buses between buildings cannot be assured. The availability of transfer buses between buildings will be determined at the beginning of each school year with no guarantee of transportation provided. Parents requesting transportation to an address other than their home address need to complete and submit a “Transportation Deviation” form.
- Parents are encouraged to submit requests during the scheduling (February) or enrollment process in order to have the best opportunity for space and schedule availability.
- Currently enrolled LCS students requesting a change in school building after the start of any trimester will be considered for change at the end of the trimester.
- Requests received from newly enrolled LCS students will be considered at the time of enrollment.
- School of Choice acceptance does not guarantee an 9-12 grade student’s athletic eligibility. MHSAA rules must be followed in all situations. Any question on this matter should be directed to any building Athletic Director.

The district will attempt to accommodate school of choice requests when space allows. On time requests will be considered first and that date is February 20, 2011.

# Academic Policies

---

Parents interested in requesting a Schools of Choice (In-District) change, should complete the Schools of Choice (In-District) form and return it with schedule request form, enrollment form, or bring it to a building counseling office. It can also be sent to **Administration & Services Center, Attn: Enrollment, 250 Second St., Lapeer, MI 48446**. Schools of Choice forms may be obtained online by visiting the LCS website at [www.lapeerschools.org](http://www.lapeerschools.org), or can be picked up in the main office of any LCS school building or Administration & Services Center.

## STUDENT PLACEMENT

Student placement is dependent on teacher recommendations based on previous academic performance and standardized testing results. Parents are expected to participate in the scheduling process, working closely with their child and current classroom teacher(s).

## 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 East or West 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.

Lapeer Community Schools do not weight grades. Students transferring from schools with a weighted grade system will have their GPA recomputed. Grades for students transferring midterm will be determined collaboratively between sending and receiving schools and/or teachers.

## **ACADEMIC RECOGNITION FOR UNDERCLASSMEN**

Special recognition is given to underclassmen – freshmen, sophomores, and juniors that maintain strong grade point averages (GPA). Those with a 3.0 – 3.49 GPA are designated as “honor” students and those with a 3.5 or higher GPA are designated as “high honor” students.

## **FINAL GPA, SCHOLASTIC RANKING, HONORS**

A senior earning a GPA of 3.0 – 3.49 will be recognized as graduating with “honors”; a senior earning a GPA of 3.5 – 4.0 will graduate with “high honors”. The final GPA and scholastic ranking will be based on all final grades earned through the final term. Students must attend and receive grades for all terms of their senior year in Lapeer Schools to be included in final class ranking. To be included in the rankings, students must be enrolled full time.

## **GRADUATION PARTICIPATION**

Seniors must have successfully completed all graduation requirements in order to participate in commencement exercises and other graduation activities. Also, students are expected to have fulfilled all financial obligations to the school and returned all schoolbooks and equipment prior to receiving their diploma.

## **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 Spanish, AP French, AP Chemistry, AP Biology, AP Environmental Science, AP Calculus AB, AP Statistics, AP U.S. History, AP Psychology, AP U.S. Government and Politics, 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.

### Dual Enrollment

Students in grades 11 and 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 term between the high school and college may not exceed five.
- 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 the PLAN, PSAT or MME as indicated on the charts below.

#### PLAN/ACT Assessment

Content Area	Minimum Passing Scores
Mathematics	18
Science	19
Reading	17
English	21

#### MME Assessment

Content Area	Required Score
Reading	1 or 2
Writing	1 or 2
Mathematics	1 or 2
Science	1 or 2
Social Studies	1 or 2

#### PSAT Assessment

PSAT Test Section	Content Area	Minimum Passing Scores
Critical Reading	Reading	44
Writing Skills	Writing	49
Math	Mathematics	45

1) A student who meets *all* of the minimum qualifying scores of the PLAN or PSAT 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

2) 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.

**Engineering & Medical Careers Program** through the University of Michigan Flint are offered as County-Wide dual enrollment programs. See "Special Programs" Section page (71) for details.

# Michigan Merit Exam (MME)

---

Participation in the MME is a requirement for graduation. The Michigan Merit Exam incorporates students' ACT scores with additional State of Michigan skill evaluations. All students will take the tests in the March of their junior year. The ACT score is reportable to the colleges of their choice so that an additional test for college entrance should not be necessary. Students that achieve the required score on the tests will be able to waive their last term senior final exam in any class in which they tested proficient.

## 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). 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 High School. 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.

# Academic Exceptions

---

## 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><b><u>Available To All Students</u></b>  <b>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 &amp; Physical Education, or Visual, Performing &amp; Applied Arts.</b> Modification to Social Studies is allowed only after completing 4 credits of Social Studies which included Civics. English Language Arts &amp; Science credit requirements are not subject to modification under this subsection of personal curriculum.</p>
<input type="checkbox"/>	<p><b><u>Available To All Students</u></b>  <b>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:</b></p> <ol style="list-style-type: none"> <li>1. Successful completion of 7 math or math-related credits, including 2 Algebra, 2 Geometry and 1 Algebra II.</li> <li>2. Complete a two year Career &amp; Technical education curriculum, which includes 1 credit of Algebra II content.</li> </ol> <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><b><u>Available To Students with an IEP</u></b>  <b>A student with a disability who needs to modify any of the credit requirements.</b> 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><b><u>Available to Transfer Students with 2 Years of HS Credit</u></b>  <b>A student who has transferred from out of state, home school, or non public school with two years of high school credit.</b> 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>

## 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 at the end of the first and second trimesters, and again, in August. For testing out at the end of the first and second trimesters, registrations are due one week before the test date. For the August testing period, registrations are due before the end of the school year.

# 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 Clearinghouse at the completion of their junior year.**

*\*Registration may be completed at [www.eligibilitycenter.com](http://www.eligibilitycenter.com)*

# 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**. 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 from the Michigan Occupational Information System (MOIS) for each Pathway is provided on pages 78-81 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.

# Post-Secondary Planning

---

*The following information and research was prepared by the Michigan Department of Education in “Preparing Michigan Students for Work and College Success”. To obtain a full copy of the article, you may go to [www.michigan.gov/mde](http://www.michigan.gov/mde).*

The skills and knowledge required in the workplace are similar to those needed for success in college. According to a wide range of economic, education and business experts, good jobs require more math and English than ever before, and workers will need some post-secondary education or training - whether it is in the form of two- or four-year college course work, apprenticeships, or the military – to meet the needs of the high performance workplace. If U.S. workers cannot meet the demand, many of the highly skilled jobs may go to workers in other countries, such as China and India, which will have a significant impact on U.S. competitiveness in the global economy. Bureau of Labor Statistics projections show that 80% of the top 5 fastest-growing jobs will require education beyond high school and that 40% of all new jobs will require at least an associate’s degree. Two-thirds of all new jobs will require some post-secondary education.

While in high school, students must be planning for their post-secondary goals. Some students will choose to go to a college or university. Universities each have varying admission requirements. While the increased graduation requirements mean that all students will be on a college preparation program, many colleges and universities have more rigorous requirements than are included in the newly adopted state requirements. For example many universities require 2 – 3 years of foreign language, advanced coursework in math and/or science. It is imperative in your post-secondary planning to research the schools you plan to attend to make sure that you are meeting the admission requirements by the time of application.

Some students may choose to enroll in a Community College or Technical Training School. Anticipated enrollment in these types of programs also requires significant planning in the early stages of a student’s high school career. Career and Technical Education (CTE) courses provide specialized training programs for high school students. Since the new graduation requirements leave little room for elective classes such as CTE, careful planning will be necessary to schedule CTE courses.

# 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 term in length. Two credit courses are for the two terms. 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 parenthesis following 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

## 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 Fine Arts requirement. Students planning to pursue a career in art related fields should plan on taking art classes all four years.

Course #	Title	Length	Credit	Grade Level
010	Art I	2 terms	2	9, 10, 11, 12
020	Two-Dimensional Art	2 terms	2	10, 11, 12
021	Drawing	1-3 terms	1-3	10, 11, 12
022	Painting	1-3 terms	1-3	10, 11, 12
023	Printmaking	1 term	1	10, 11, 12
030	Pottery	1-3 terms	1-3	10, 11, 12
031	Sculpture	1-3 terms	1-3	10, 11, 12
040	Commercial Art	2 terms	2	10, 11, 12
041	Advanced Commercial Art	1 term	1	10, 11, 12
050	Studio Art	1-6 terms	1-6	11, 12
052	AP Studio Art	3 terms	3	11, 12

# Course Offerings

## Art Department

<b>010</b>	<b>Art I</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
------------	--------------	----------------	------------------	----------------------

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)

<b>020</b>	<b>Two-Dimensional Art</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
------------	----------------------------	----------------	------------------	-------------------

**Prerequisites:** 010 A&B

This class is a study of two-dimensional art, which may include drawing, painting, printmaking, digital photography and computer graphics. This is intended for students interested in exploring these areas as well as serious art students who should take this class to begin developing portfolio work. All art portfolios require 2-dimensional pieces of work (VPA)

<b>021</b>	<b>Drawing</b>	<b>*1-3 terms</b>	<b>*1-3 credits</b>	<b>10, 11, 12</b>
------------	----------------	-------------------	---------------------	-------------------

**Prerequisite:** 010, 020

The Drawing class is intended for the student who is interested in refining their drawing skills. Projects will be from a wide range of media covering both black and white, and color. Media may include graphite, charcoal, pen and ink, prismacolor pencils, conte' pencils, and mixed media as well as non-traditional drawing media. (VPA)

\*This course may be repeated up to 3 terms for Art credit.

<b>022</b>	<b>Painting</b>	<b>*1-3 terms</b>	<b>*1-3 credits</b>	<b>10, 11, 12</b>
------------	-----------------	-------------------	---------------------	-------------------

**Prerequisite:** 010, 020

This class is intended to provide further study in the area of painting. Media included are gouache, watercolor, and acrylics. Students will learn to stretch both watercolor paper and canvas. They will be taught a variety of painting techniques as well as color theory. Advanced students will use experimental techniques such as image transfer. Students will be responsible for the cost of project materials. (VPA)

\*This course may be repeated up to 3 terms for Art credit.

<b>023</b>	<b>Printmaking</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
------------	--------------------	---------------	-----------------	-------------------

**Prerequisite:** 010, 020

This class is a study of two-dimensional printmaking techniques. These may include: line-cuts, woodcuts, collographs, silk-screen, glue prints, dry-point etching or lithographs. Students will be able to choose from these techniques to make multiple prints of single pieces of artwork. (VPA)

<b>030</b>	<b>Pottery</b>	<b>*1-3 terms</b>	<b>*1-3 credits</b>	<b>10, 11, 12</b>
------------	----------------	-------------------	---------------------	-------------------

**Prerequisites:** 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 studied pursued. Students will be responsible for the cost of project materials. (VPA)

\*This course may be repeated up to 3 terms for Art credit.

# Course Offerings

## Art Department

---

<b>031</b>	<b>Sculpture</b>	<b>*1-3 terms</b>	<b>*1-3 credits</b>	<b>10, 11, 12</b>
------------	------------------	-------------------	---------------------	-------------------

**Prerequisites:** 010

This class is a study of three-dimensional art media. Students may sculpt in paper, plaster, wire, papier mache, and clay. Wood and stone are options for advanced students. Students will be responsible for the cost of project materials. (VPA)

\*This course may be repeated up to 3 terms for Art credit.

<b>040</b>	<b>Commercial Art</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
------------	-----------------------	----------------	------------------	-------------------

**Prerequisites:** 010, 020 strongly recommended

This class covers a broad spectrum of career applications in the field of commercial art, including computer graphics and digital photography in advertising such as CD covers, magazine ads, posters, etc. Students will be responsible for the cost of project materials. (VPA)

<b>041</b>	<b>Advanced Commercial Art</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
------------	--------------------------------	---------------	-----------------	-------------------

**Prerequisites:** 010, 040

This class is for Commercial Art students that would like a more in-depth study in an area of commercial art. Projects could include computer graphics, PhotoShop, and Illustrator techniques, digital photography, CD cover design, and magazine illustration techniques. The computer would be used in a majority of the projects. (VPA)

<b>050</b>	<b>Studio Art</b>	<b>*1-6 terms</b>	<b>*1-6 credits</b>	<b>11, 12</b>
------------	-------------------	-------------------	---------------------	---------------

**Prerequisites:** 010, 020 and recommendation of instructor

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 6 terms for Art credit with instructor approval.

<b>052</b>	<b>AP Studio Art</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
------------	----------------------	----------------	------------------	---------------

**Prerequisite:** 010, 020, 050 and recommendation of instructor after having 2 years of art with an A or B

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

---

Course #	Title	Length	Credit	Grade Level
100	Introduction to Business	1 term	1	9, 10, 11 - East 9, 10, 11, 12 – West
102	Personal Money Management	1 term	1	9, 10, 11, 12
115	Accounting I	1-2 terms	1-2	10, 11, 12
116	Accounting II	1-2 terms	1-2	10, 11, 12
120	Building Wealth	1 term	1	11, 12
130	Marketing	1-2 terms	1-2	10, 11, 12
135	Entrepreneurship	1 term	1	10, 11, 12
137	Sports and Entertainment Marketing	1 term	1	10, 11, 12
139	Business Math	1 term	1	12
140	Word Processing I	1 term	1	9, 10, 11, 12
145	Word Processing II	1 term	1	9, 10, 11, 12
150	Computer Apps for Personal Use	1 term	1	9, 10, 11, 12
151	Computer Apps for Desktop Publishing	1 term	1	9, 10, 11, 12
153	Multimedia Production	1 term	1	9, 10, 11, 12 (East only)
157	Web Authoring/Basic Programming	1 term	1	10, 11, 12 (East only)
160	Photo Editing	1-2 terms	1-2	10, 11, 12

# Course Offerings Business/Computer Department

<b>100</b>	<b>Introduction to Business</b>	<b>1 terms</b>	<b>1 credit</b>	<b>9, 10, 11- East 9, 10, 11, 12- West</b>
------------	---------------------------------	----------------	-----------------	--

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.

<b>102</b>	<b>Personal Money Management</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	----------------------------------	---------------	-----------------	----------------------

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)

<b>115</b>	<b>Accounting I</b>	<b>1-2 terms</b>	<b>1-2 credits</b>	<b>10, 11, 12 grade 9 with instructor approval</b>
------------	---------------------	------------------	--------------------	--

**115A** 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. Recommend that Accounting 115B be taken at conclusion of 115A. (MathR)

**Prerequisite:** 115A

**115B** 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)

<b>116</b>	<b>Accounting II</b>	<b>1-2 terms</b>	<b>1-2 credits</b>	<b>10, 11, 12</b>
------------	----------------------	------------------	--------------------	-------------------

**Prerequisite:** 115A & 115B

**116A** 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)

**116B** 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)

# Course Offerings Business/Computer Department

---

<b>120</b>	<b>Building Wealth</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12</b>
------------	------------------------	---------------	-----------------	---------------

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)

<b>130</b>	<b>Marketing</b>	<b>1-2 terms</b>	<b>1-2 credits</b>	<b>10, 11, 12</b>
------------	------------------	------------------	--------------------	-------------------

**130A** 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. The Marketing 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 and understanding of the basic marketing foundations and functions.

**Prerequisite:** 130A

**130B** This study builds on the foundations developed in the Introduction to Marketing I course. The focus of this study will be on the functions of marketing, or what marketing people do. Topics of investigation will include: developing interpersonal and management skills, understanding the basic elements of marketing such as product development, promotion, distribution, purchasing, pricing, and market information research.

<b>135</b>	<b>Entrepreneurship</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
------------	-------------------------	---------------	-----------------	-------------------

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. Students will explore traits and characteristics of successful entrepreneurs and develop a business plan that will provide insight into the research, planning, operations, and regulations necessary to operate a small business successfully.

<b>137</b>	<b>Sports and Entertainment Marketing</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
------------	---	---------------	-----------------	-------------------

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.

# Course Offerings

## Business/Computer Department

<b>139</b>	<b>Business Math</b>	<b>1 term</b>	<b>1 credit</b>	<b>12</b>
------------	----------------------	---------------	-----------------	-----------

Mathematics is all around you. To be a smart consumer, a good citizen, and have a successful career, you need to understand mathematics in the context of business and personal finance. Financial literacy is the ability to use knowledge and skills to manage one's financial resources effectively for lifetime financial security. Business Mathematics will help you become financially literate. You will learn how to use math in everyday business and personal situations. This course fulfills one trimester of the mathematics requirements for senior 4<sup>th</sup> year math. (MathR)

<b>140</b>	<b>Word Processing I</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	--------------------------	---------------	-----------------	----------------------

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.

<b>145</b>	<b>Word Processing II</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	---------------------------	---------------	-----------------	----------------------

**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.

<b>150</b>	<b>Computer Apps for Personal Use</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	---------------------------------------	---------------	-----------------	----------------------

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 Microsoft Office 2007 Suite 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.

<b>151</b>	<b>Computer Apps for Desktop Publishing</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	---	---------------	-----------------	----------------------

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)

<b>153</b>	<b>Multimedia Production</b>	<b>1 term</b>	<b>1 credit</b>	<b>9,10,11,12 (East only)</b>
------------	------------------------------	---------------	-----------------	-------------------------------

Being able to process information and use multimedia presentation techniques to display information has become an important skill in today's society. This course will give students real world application skills for the use of Database and Multimedia software and their features. The student will gain a working knowledge of Microsoft Office 2007 Suite software utilized in these areas of computer use to be able to apply them to their own personal, school, and career purposes. This course is a hands-on, project based introductory course for database and multimedia applications. Computer programs used include Microsoft Office 2007 and Pinnacle Studio. Photo Editing is recommended, but not required before taking Multimedia.

# Course Offerings Business/Computer Department

---

<b>157</b>	<b>Web Authoring/Basic Programming</b>	<b>1 term</b>	<b>1 credit</b>	<b>10,11,12 (East only)</b>
------------	--	---------------	-----------------	-----------------------------

**Prerequisite:** A grade of "B" or better in Algebra I or teacher 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.

<b>160</b>	<b>Photo Editing</b>	<b>1-2 terms</b>	<b>1-2 credits</b>	<b>10, 11, 12</b>
------------	----------------------	------------------	--------------------	-------------------

**160A** Students will learn the tools and applications of the Adobe Photoshop program and apply the elements and principles of design. Students will learn how to creatively alter, correct, and/or prepare an image/document for a variety of uses.

**160B** In Photo Editing B students will learn photo antiquing, advanced creative photo altering, and more photo corrections. Students will prepare images/documents for a variety of uses. Photo Editing B will utilize your higher level thinking skills. As with Photo Editing A, you'll be amazed with what you can do with this software!

# 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:

**Fundamental English**--This is a remedial course sequence for students who are achieving significantly below grade level in reading, writing, and vocabulary. Enrollment requires counselor/department approval.

**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 11<sup>th</sup> and 12<sup>th</sup> 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).

# Course Offerings

## English Department

Course #	Title	Length	Credit	Grade Level
200	Fundamental English 9	2 terms	2	9
201	Fundamental English 10	2 terms	2	10
202	Fundamental English 11	2 terms	2	11
203	Fundamental English 12	2 terms	2	12
220	English 9	2 terms	2	9
221	English 10	2 terms	2	10
222	English 11	2 terms	2	11
223	English 12	2 terms	2	12
232	AP English Language & Composition	3 terms	3	11
233	AP English Literature & Composition	3 terms	3	12
235	Literacy Skills	1-3 terms	1-3	9,10,11,12 (East Only)
240	Speech Communications	1 term	1	9,10,11,12
241	Argumentation & Debate*	1 term	1	9,10,11,12
243	Drama Literature*	1 term	1	9,10,11,12 (West Only)
244	Intro to Contemporary Literature	1 term	1	9, 10
245	Contemporary American Literature	1-2 terms	1-2	11, 12
250	American Film Study	1 term	1	11, 12
252	Creative Writing	1 term	1	9,10,11,12
253	Mythology*	1 term	1	9,10,11,12 (East Only)
255	Literature of Holocaust*	1 term	1	9,10,11,12 (West Only)
260	Native American Literature*	(Not offered in 2011-2012)		
265	Literature of the Middle East*	1 term	1	9, 10, 11,12(West Only)

\*Offered in alternating years

# Course Offerings

## English Department

<b>200</b>	<b>Fundamental English 9</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9</b>
<b>200A</b> This is a course for students who are achieving significantly below grade level in reading, writing, and vocabulary. This term emphasizes short stories, fiction and classic Greek literature while continuously focusing on the themes and essential questions connected to Inter-Relationships and Self-Reliance. This term should be taken as a prerequisite for 220B. This course requires a recommendation by an English or Special Education teacher.				
<b>200B</b> This is a course for students who are achieving significantly below grade level in reading, writing, and vocabulary. This term emphasizes Shakespearean drama and contemporary literature while continuously focusing on the themes and essential questions connected to Inter-Relationships and Self-Reliance. This term should be taken after successfully completing 220 A. This course requires a recommendation by an English or Special Education teacher. Students will write several essays including a research paper.				
<b>201</b>	<b>Fundamental English 10</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10</b>
<b>201A</b> This is a course for students who are achieving significantly below grade level in reading, writing and vocabulary. This course is designed with a focus on Critical Response and Stance. This term emphasizes non-fiction and satire. Students will write several essays including a research paper. Requires counselor/department approval.				
<b>201B</b> This is a course for students who are achieving significantly below grade level in reading, writing and vocabulary. This course is designed with a continued focus on Critical Response and Stance. This term emphasizes dramatic literature and focuses on responding to critical issues in society. Students will write several essays. Requires counselor/department approval.				
<b>202</b>	<b>Fundamental English 11</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11</b>
<b>202A</b> This is a course for students who are achieving significantly below grade level in reading, writing and vocabulary. This term focuses upon Transformational Thinking and emphasizes various American literature themes, genre, drama, composition, persuasion and research. Requires counselor/department approval.				
<b>202B</b> This is a course for students who are achieving significantly below grade level in reading, writing and vocabulary. This term focuses upon Transformational Thinking and emphasizes various American literature themes, genre, drama, composition, persuasion and standardized test readiness. Requires counselor/department approval.				
<b>203</b>	<b>*Fundamental English 12</b>	<b>2 terms</b>	<b>2 credits</b>	<b>12</b>
<b>*MMC online learning requirement is met in this course.</b>				
<b>203A</b> This is a course for students who are achieving significantly below grade level in reading, writing and vocabulary. This course is designed with a focus on Leadership. This term emphasizes British & World literature specifically early Anglo Saxon, Medieval, and Elizabethan eras. Students in this course will complete a research paper that shows evidence of leadership skills in taking social action on an issue. Requires counselor/department approval.				
<b>203B</b> This is a course for students who are achieving significantly below grade level in reading, writing and vocabulary. This course is designed with a focus on Leadership. This term emphasizes British & World literature including <i>Frankenstein</i> , and <i>The Five People You Meet in Heaven</i> . Students in this course will complete a research paper that shows evidence of leadership skills in taking social action on an issue. Requires counselor/department approval.				

# Course Offerings

## English Department

<b>220</b>	<b>English 9</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9</b>
------------	------------------	----------------	------------------	----------

**220A** This course is 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. This term emphasizes short stories, fiction, and classic Greek literature while continuously focusing on the themes and essential questions connected to Inter-Relationships and Self-Reliance. This term should be taken as a prerequisite for 220B (NCAA)

**220B** This course is 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. This term emphasizes Shakespearean drama and contemporary literature while continuously focusing on the themes and essential questions connected to Inter-Relationships and Self-Reliance. This term should be taken after successfully completing 220 A. (NCAA)

<b>221</b>	<b>English 10</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10</b>
------------	-------------------	----------------	------------------	-----------

**221A** This course is designed with a focus on Critical Response and Stance. This sequence provides an excellent foundation for post-secondary education. This term emphasizes dramatic literature and focuses on responding to critical issues in society. Students will write several essays. (NCAA)

**221B** This course is designed with a continued focus on Critical Response and Stance. This sequence provides an excellent foundation for post-secondary education. This term emphasizes non-fiction and satire. Students will write several essays some of which include research components. (NCAA)

<b>222</b>	<b>English 11</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11</b>
------------	-------------------	----------------	------------------	-----------

**222A** 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 term focuses upon Transformational Thinking and emphasizes various American literature themes, genre, drama, composition, persuasion and research. (NCAA)

**222B** 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 term focuses upon Transformational Thinking and emphasizes various American literature themes, genre, composition, and persuasion. (NCAA)

<b>223</b>	<b>*English 12</b>	<b>2 terms</b>	<b>2 credits</b>	<b>12</b>
------------	--------------------	----------------	------------------	-----------

**\*MMC online learning requirement is met in this course.**

**223A** This course is designed with a focus on Leadership. This sequence provides an excellent foundation for post-secondary education. This term emphasizes British & World literature specifically early Anglo Saxon, Medieval, and Elizabethan eras. Students in this course will complete a research paper that shows evidence of leadership skills in taking social action on an issue. (NCAA)

**223B** This course is designed with a focus on Leadership. This sequence provides an excellent foundation for post-secondary education. This term emphasizes British & World literature including *Frankenstein*, *The Stranger*, and *The Five People You Meet in Heaven*. (NCAA)

# Course Offerings

## English Department

<b>232</b>	<b>AP English Language &amp; Composition</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11</b>
------------	--	----------------	------------------	-----------

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 Transformational Thinking. This course will require summer reading, responding, and composing in preparation for the course content. This sequence provides an excellent foundation for post-secondary education and career pursuits. This course is used to meet MMC requirement. Successful completion of all three terms is needed to meet MMC requirement in content area.

**232A** This term emphasizes American literature (non-fiction & fiction). Students will focus on the study and application of rhetorical strategies and MLA format in research. (NCAA)

**232B** This term emphasizes American literature (non-fiction & fiction), rhetorical strategies, persuasive writing, rhetorical analysis, and AP question and composition simulations.. (NCAA)

**232C** This term emphasizes American literature (non-fiction & fiction), rhetorical strategies, persuasive writing, rhetorical analysis, AP question and composition simulations (especially the synthesis essay), and MLA research application. Students will apply their rhetorical learning to analysis and composition in preparation for the Advanced Placement test as well as preparing for other high stakes testing. If not completed in A or B, the culminating paper is submitted in C. (NCAA).

<b>233</b>	<b>*AP English Literature &amp; Composition</b>	<b>3 terms</b>	<b>3 credits</b>	<b>12</b>
------------	---	----------------	------------------	-----------

**\*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 term 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 MMC requirement. Successful completion of all three terms is needed to meet the MMC requirement in content area.

**233A** Term A will emphasize the college essay, short stories, literary elements, the study of the novel, drama, and test preparation. (NCCA)

**233B** Term B will emphasize the senior project or research paper, the study of drama, the study of poetry, novel, and test preparation. (NCCA)

**233C** Term C will emphasize test preparation and the culminating senior research project and presentation, as well as a continuation of previous studies. (NCCA)

<b>235</b>	<b>Literacy Skills</b>	<b>1- 3 terms</b>	<b>*1-3 credits</b>	<b>9,10,11, 12 (East only)</b>
------------	------------------------	-------------------	---------------------	--------------------------------

In this elective, students will work on reading and writing strategies, vocabulary development, informational textural skills and workplace literacy skills, all to the purpose of improving the students' success across the curriculum. This course requires the recommendation by an English teacher. This course is only offered at East High School. \*This course may be repeated for elective credit.

<b>240</b>	<b>Speech Communications</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	------------------------------	---------------	-----------------	----------------------

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 does not fulfill English graduation requirement.) (NCAA).

<b>241</b>	<b>Argumentation &amp; Debate</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	-----------------------------------	---------------	-----------------	----------------------

**Prerequisite:** 240

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.) (NCAA). This course is offered in alternating years.

# Course Offerings

## English Department

<b>243</b>	<b>Drama Literature</b>	<b>1 term</b>	<b>1 credit</b>	<b>9-12 (West only)</b>
------------	-------------------------	---------------	-----------------	-------------------------

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) This course will be offered in alternating years at East and West.

<b>244</b>	<b>Introduction to Contemporary Literature</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10</b>
------------	--	---------------	-----------------	--------------

Introduction to Contemporary Literature is an elective class for ninth and tenth graders 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 term only.

<b>245</b>	<b>Contemporary American Literature</b>	<b>1-2 terms</b>	<b>1-2 credits</b>	<b>11, 12</b>
------------	---	------------------	--------------------	---------------

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 class is open to juniors and seniors. This counts as an elective credit, not an English credit. (NCAA)

<b>250</b>	<b>American Film Study</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12</b>
------------	----------------------------	---------------	-----------------	---------------

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 that enrolls in this class will be expected to have internet access in order to complete the required online experience associated with the class.

<b>252</b>	<b>Creative Writing</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	-------------------------	---------------	-----------------	----------------------

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 encouraged to publish and present their writing. This course may only be taken once for elective credit. (NCAA)

<b>253</b>	<b>Mythology</b>	<b>1 term</b>	<b>1 credit</b>	<b>9,10,11,12 (East 11-12)</b>
------------	------------------	---------------	-----------------	--------------------------------

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) This course will be offered in alternating years at East and West.

<b>255</b>	<b>Literature of the Holocaust</b>	<b>1 term</b>	<b>1 credit</b>	<b>9,10,11,12 (West 11-12)</b>
------------	------------------------------------	---------------	-----------------	--------------------------------

This 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. (NCAA)

# Course Offerings

## English Department

---

<b>260</b>	<b>Native American Literature</b>	<b>(Not offered 2011-2012)</b>
------------	-----------------------------------	--------------------------------

This course will explore the history and culture of various Native American tribes across North America using a variety of fiction and non-fiction. In addition, students will be exposed to Native American art, music, and traditions through Native American guest speakers, movies, and field trips to Native American Cultural museums. (NCAA)

<b>265</b>	<b>Literature of the Middle East</b>	<b>1 term</b>	<b>1 credit</b>	<b>9,10,11,12 (West Only)</b>
------------	--------------------------------------	---------------	-----------------	-------------------------------

This 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. (NCAA)

# Course Offerings

## Industrial Technology Dept

Course #	Title	Length	Credit	Grade Level
400	Woods I	2 terms	2	9, 10, 11, 12
401	Woods II	2 terms	2	10, 11, 12
402	Woods III	2 terms	2	11, 12
403	Woodworking Techniques	1 term	1	9, 10, 11, 12
410	Metals I	2 terms	2	9, 10, 11, 12
411	Metals II	2 terms	2	10, 11, 12
420	Small Engine Repair	1 term	1	9, 10, 11, 12
421	Basic Electricity	1 term	1	9, 10, 11, 12
422	Electronics	1 term	1	9, 10, 11, 12 (East only)
430	Drafting I	2 terms	2	9, 10, 11, 12
431	Advanced Mechanical Drafting	2 terms	2	10, 11, 12
432	Architectural Drafting	2 terms	2	10, 11, 12
433	Drafting – Independent Study	2 terms	2	11, 12

# Course Offerings

## Industrial Technology Dept

<b>400</b>	<b>Woods I</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
------------	----------------	----------------	------------------	----------------------

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.

<b>401</b>	<b>Woods II</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
------------	-----------------	----------------	------------------	-------------------

Prerequisite: 400 (C or better, both terms) and/or instructor 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.

<b>402</b>	<b>Woods III</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11, 12</b>
------------	------------------	----------------	------------------	---------------

Prerequisite: 401 and instructor approval  
The most advanced woodworking course, teaching furniture-making skill and techniques. (VPA)(MathR)  
Students will be responsible for the cost of project materials.

<b>403</b>	<b>Woodworking Techniques</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	-------------------------------	---------------	-----------------	----------------------

Prerequisite: 400 and instructor 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)

<b>410</b>	<b>Metals I</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
------------	-----------------	----------------	------------------	----------------------

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.  
Students will be responsible for the cost of project materials. (VPA)

<b>411</b>	<b>Metals II</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
------------	------------------	----------------	------------------	-------------------

Prerequisite: Metals I (C or better, both terms) and instructor 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)  
Students will be responsible for the cost of project materials.

<b>420</b>	<b>Small Engine Repair</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	----------------------------	---------------	-----------------	----------------------

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.

<b>421</b>	<b>Basic Electricity</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	--------------------------	---------------	-----------------	----------------------

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.

# Course Offerings

## Industrial Technology Dept

---

<b>422</b>	<b>Electronics</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12 (East only)</b>
------------	--------------------	---------------	-----------------	----------------------------------

**Prerequisite:** Completion of Basic Electricity/Electronics

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.

<b>430</b>	<b>Drafting I</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
------------	-------------------	----------------	------------------	----------------------

A basic drafting course covering the principles of mechanical drawing. (VPA)(MathR)

<b>431</b>	<b>Advanced Mechanical Drafting</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
------------	-------------------------------------	----------------	------------------	-------------------

**Prerequisite:** 430 (C or better) or instructor 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)

<b>432</b>	<b>Architectural Drafting</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
------------	-------------------------------	----------------	------------------	-------------------

**Prerequisite:** 430 (C or better) and instructor 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)

<b>433</b>	<b>Drafting- Independent Study</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11, 12</b>
------------	------------------------------------	----------------	------------------	---------------

**Prerequisite:** 430, 431 or 432, and instructor 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

## Family & Consumer Science

Course #	Title	Length	Credit	Grade Level
450	Clothing Construction	1 term	1	9, 10, 11, 12
451	Clothing Construction II	1 term	1	9, 10, 11, 12
455	Foods and Nutrition	1 term	1	9, 10, 11, 12
457	Foods and Nutrition II	1 term	1	9, 10, 11, 12
460	Parenthood Education	1 term	1	9, 10, 11, 12
461	Family Living	1 term	1	9, 10, 11, 12
470	Consumer Education	1 term	1	9, 10, 11, 12

<b>450</b>	<b>Clothing Construction</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	------------------------------	---------------	-----------------	----------------------

This course teaches the basics of clothing construction. Skills will be taught as students make a minimum of two garments to enhance their own wardrobe. East Only – Students may gain experience using a computerized embroidery machine. (VPA)

Note: Students are responsible for purchasing their own supplies.

<b>451</b>	<b>Clothing Construction II</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	---------------------------------	---------------	-----------------	----------------------

Students will gain additional skills in clothing construction. They will also participate in a design project.

**Prerequisite** – Clothing Construction or Basic Sewing (8<sup>th</sup> grade) or instructor approval. (VPA)

Note: Students are responsible for purchasing their own supplies.

<b>455</b>	<b>Foods and Nutrition</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	----------------------------	---------------	-----------------	----------------------

Food preparation basics and the nutritional needs of the body will be studied.

<b>457</b>	<b>Foods and Nutrition II</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	-------------------------------	---------------	-----------------	----------------------

**Prerequisite:** 455

Students will continue with their study at cooking techniques and basic nutrition. Plating, presentation, meal planning, self-evaluation, and peer-evaluation will be included.

<b>460</b>	<b>Parenthood Education</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	-----------------------------	---------------	-----------------	----------------------

A child's physical, mental, social and emotional development from conception to age five will be studied. Parenting skills, day care, safety and current issues are also covered.

<b>461</b>	<b>Family Living</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	----------------------	---------------	-----------------	----------------------

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.

<b>470</b>	<b>Consumer Education</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	---------------------------	---------------	-----------------	----------------------

A course related to the economic needs and planning for individuals. Topics such as budgeting, insurance, banking, taxes and financing will be discussed. (MathR)

# Course Offerings

## Math Department

Beginning with the Class Of 2011 all students are required per state graduation requirements to complete Algebra I, Geometry and Algebra II. Additionally, a math course must be taken during their senior year. 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.

### Algebra/Geometry Concepts

A remedial series for those students who are achieving below grade level and need special help. Counselor/departmental approval.

Course #	Title	Length	Credit	Grade Level
500	Algebra I Concepts	3 terms	3	9
501	Geometry Concepts	2 terms	2	10, 11
502	Algebra II Concepts	2 terms	2	11, 12

### Algebra

A series for students who are achieving at or above grade level.

Course #	Title	Length	Credit	Grade Level
530	Algebra I	3 terms	3	9
531	Algebra I	2 terms	2	9
533	Geometry	2 terms	2	9, 10
534	Algebra II	3 terms	3	10, 11, 12
535	Algebra II	2 terms	2	10, 11, 12
535C	Advanced Topics in Algebra II	1 term	1	10, 11, 12
540	Probability/Statistics	2 terms	2	11, 12
541	Pre-Calculus/Trigonometry	2 terms	2	11, 12
541C	Advanced Topics in Pre-Calc/Trig	1 term	1	11, 12
542	AP Calculus AB	3 terms	3	11, 12
543	AP Statistics	3 terms	3	11, 12
545	AP Calculus BC	3 terms	3	11, 12
550	Statistical Reasoning in Sports	2 terms	2	12
555	Algebra III with Trig	2 terms	2	11, 12

# Course Offerings

## Math Department

<b>500</b>	<b>Algebra I Concepts</b>	<b>3 terms</b>	<b>3 credits</b>	<b>9</b>
------------	---------------------------	----------------	------------------	----------

**Prerequisite:** Counselor/departmental approval

**500A** This course contains content in the following areas: rules and properties of arithmetic and algebra, operations with real numbers, solving linear equations and inequalities with one variable, using and applying formulas and proportions. This remedial course covers the key elements of Algebra I using a step-by-step approach. This course will meet the Algebra I graduation requirement.

**500B** This course contains content in the following areas: operations with polynomials, factoring polynomials, positive and negative exponents, solving quadratic equations by factoring, data, statistics and probability. This remedial course covers the key elements of Algebra I using a step-by-step approach. This course will meet the Algebra I graduation requirement.

**500C** This course contains content in the following areas: Operations with algebraic fractions, solving linear and quadratic equations by graphing, solving systems of linear equations, matrices, operations with radicals, solving radical equations, solving quadratic equations by completing the square and using the quadratic formula. This remedial course covers the key elements of Algebra I using a step-by-step approach. This course will meet the Algebra I graduation requirement.

<b>501</b>	<b>Geometry Concepts</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11</b>
------------	--------------------------	----------------	------------------	---------------

**Prerequisite:** 500 and counselor/departmental approval

**501A** This course contains content in the following areas: constructions, geometric proofs, parallel and perpendicular lines, quadrilaterals, equations of lines, and triangle congruency. This remedial course covers the key elements of Geometry using a step-by-step approach. This course will meet the Geometry graduation requirement.

**501B** This course contains content in the following areas: translations and rotations, similar figures, right triangles, perimeter, area, circles, spheres, geometric volumes, and trigonometric functions. This remedial course covers the key elements of Geometry using a step-by-step approach. This course will meet the Geometry graduation requirement.

<b>502</b>	<b>Algebra II Concepts</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11, 12</b>
------------	----------------------------	----------------	------------------	---------------

**Prerequisite:** 501 and counselor/departmental approval

**502A** This course contains content in the following areas: solving and graphing linear and quadratic equations, solving systems of equations and inequalities, solving and graphing linear and quadratic functions. This remedial course covers the key elements of Algebra II using a step-by-step approach. This course will meet the Algebra II graduation requirement.

**502B** This course contains content in the following areas: operations with polynomials, factoring, powers, roots, radicals, exponential and logarithmic functions, conics, and simplifying rational and quadratic functions. This remedial course covers the key elements of Algebra I using a step-by-step approach. This course will meet the Algebra II graduation requirement.

# Course Offerings

## Math Department

<b>530</b>	<b>Algebra I</b>	<b>3 terms</b>	<b>3 credits</b>	<b>9</b>
------------	------------------	----------------	------------------	----------

**530A** This course contains content in the following areas – rules of operations, properties of numbers, integers, exponents, evaluating and simplifying algebraic expressions, solving equations, and graphing linear equations (NCAA).

**530B** This course contains content in the following areas – writing linear equations, graphing and solving linear inequalities, systems of equations and inequalities, properties of exponents (NCAA)

**530C** This course contains content in the following areas – exponential functions, quadratic equations and functions, solving equations with radicals, rational equations and functions. (NCAA)

<b>531</b>	<b>Algebra I</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9</b>
------------	------------------	----------------	------------------	----------

**531A** This course contains content in the following areas – rules of operations, properties of numbers, integers, exponents, evaluation and simplification of algebraic expressions, solving equations, graphing and writing linear equations and functions, and solving and graphing linear inequalities. (NCAA)

**531B** This course contains content in the following areas – systems of equations and inequalities, exponents and exponential functions, operations with polynomials, factoring, quadratic equations and functions, solving equations with radicals, rational equations and functions. (NCAA)

<b>533</b>	<b>Geometry</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10</b>
------------	-----------------	----------------	------------------	--------------

**Prerequisites:** 530 or 531

**533A** This course contains content in the following areas: Basic geometric terms, logic, proof, triangle congruency, parallel and perpendicular lines, quadrilaterals, lines in space, and polygons. (NCAA)

**533B** This course contains content in the following areas: Similarity, Pythagorean Theorem, special right triangles, trigonometric ratios, circles, area, surface area and volume, and basic constructions. Upon the completion of A and B, the Michigan graduation geometry requirement will be met. (NCAA)

<b>534</b>	<b>Algebra II</b>	<b>3 terms</b>	<b>3 credits</b>	<b>10, 11, 12</b>
------------	-------------------	----------------	------------------	-------------------

**Prerequisites:** 533 and teacher recommendation

**534A** This course contains content in the following areas: equations and inequalities, linear equations and inequalities, systems of linear equations and inequalities, and matrices. (NCAA)

**534B** This course contains content in the following areas: quadratic functions, polynomial functions, powers, roots, and radicals. (NCAA)

**534C** This course contains content in the following areas: exponential and logarithmic functions, rational equations and functions, quadratic relations, and conic sections. (NCAA)

# Course Offerings

## Math Department

<b>535</b>	<b>Algebra II</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
------------	-------------------	----------------	------------------	-------------------

**Prerequisites:** 530 or 531

**535A** This course contains content in the following areas: equations and inequalities, linear equations and functions, systems of linear equations and inequalities, matrices and determinants, and quadratic functions. (NCAA)

**535B** This course contains content in the following areas: polynomials and polynomial functions, powers, roots, and radicals, exponential and logarithmic functions, rational equations and functions, and quadratic relations and conic sections. (NCAA)

<b>535C</b>	<b>Advanced Topics in Algebra II</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
-------------	--------------------------------------	---------------	-----------------	-------------------

**Prerequisites:** 535A, 535B, and teacher recommendation

Additional topics such as conics, sequences and series, and matrices to name a few, will better prepare students for pre-calculus/trigonometry, AP calculus and any other higher level math courses. This course will increase students' academic success in the above named courses. (NCAA)

<b>540</b>	<b>Probability/Statistics</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11, 12</b>
------------	-------------------------------	----------------	------------------	---------------

**Prerequisites:** 530 or 531

**540A** This course contains content in the following areas – measures of position, dispersion and central tendencies, graphs, distribution, probability, probability distribution, normal distribution. (NCAA)

**540B** This course contains content in the following areas: confidence intervals, hypothesis testing, two parameter testing, correlation and regression, variance analysis, chi-square. (NCAA)

<b>541</b>	<b>Pre-Calculus/Trigonometry</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11, 12</b>
------------	----------------------------------	----------------	------------------	---------------

**Prerequisite:** 535A, 535B, and highly recommend 535C

**541A** This is a college preparatory course that contains content in functions and their graphs, polynomial and rational functions, and exponential and logarithmic functions. (NCAA)

**541B** This is a college preparatory course that contains content in trigonometry (unit circle and right triangle), trigonometric equations, trigonometry identities, and analytic trigonometry. (NCAA)

<b>541C</b>	<b>Advanced Topics in Pre-Cal/Trig</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12</b>
-------------	--	---------------	-----------------	---------------

**Prerequisites:** 541A, 541B, and teacher recommendation

Additional topics such as analytic geometry, three dimensional mathematics, polar coordinates, and an introduction into the calculus topics of limits and derivatives to name a few, will better prepare students for AP calculus. This course will increase students' academic success in the above named course. (NCAA)

<b>542</b>	<b>AP Calculus AB</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
------------	-----------------------	----------------	------------------	---------------

**Prerequisite:** 541A, 541B and highly recommend 541C

**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. (NCAA)

**542 Course description continued on next page**

# Course Offerings

## Math Department

*542 continued from previous page*

<b>542</b>	<b>AP Calculus AB</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
------------	-----------------------	----------------	------------------	---------------

**542B** Students will learn to find the derivative of the trigonometric and inverse trigonometric functions. They will learn to graph parametric equations and find their derivatives. 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. They will apply definite integrals and learn to do numerical integration by Simpson's Rule. They 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 and Euler's Method. (NCAA)

**542C** 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 and volume of a solid by cylindrical shells. 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)

<b>543</b>	<b>AP Statistics</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
------------	----------------------	----------------	------------------	---------------

**Prerequisites:** 535

**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. (NCAA)

**543B** Students will learn to produce data by designing samples and experiments, and simulating experiments. They will study probability, which includes randomness and probability models. They will learn about discrete and continuous random variables. Students will study means and variances of random variables. They will learn about binomial and geometric distributions, sampling distributions, proportions, and means. (NCAA)

**543C** 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)

<b>545</b>	<b>AP Calculus BC</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
------------	-----------------------	----------------	------------------	---------------

**Prerequisite:** 542 or 541A-C along with teacher/counselor approval

\*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

### **545 Continued from previous page**

**545A** All topics in AP Calculus AB along with additional topics in parametric, polar and vector functions. (NCAA)

**545B** All topics in AP Calculus AB along with additional topics in planar curves, Eulers Method, L'Hospital Rule for improper integrals and series, and derivatives of parametric, polar and vector functions. (NCAA)

**545C** All topics in AP Calculus AB along with additional topics in application of integrals, antiderivatives by substitution, improper integrals, and polynomial approximations, and series including Taylor series. (NCAA)

<b>550</b>	<b>Statistical Reasoning in Sports</b>	<b>2 terms</b>	<b>2 credits</b>	<b>12</b>
------------	--	----------------	------------------	-----------

**Prerequisite:** 535 or 534

The statistical content of this course will cover many of the same topics typically covered in an introductory college-level statistics course, including designing studies, exploratory data analysis, regression, and hypothesis testing. It is a course for strong math students who are interested in learning about statistics in a different context.

**550A** Topics include: categorical and quantitative variables, bar charts, pie charts, dot plots, histograms, and box plots, independent and dependent samples, standard deviation, outliers, hypothesis, and range. Some examples of the sports questions that will be addressed: Is it possible to get "in the zone"? and Who should I draft for my fantasy team?

**550B** Topics include: scatter plots, correlation, residuals, regression, confidence intervals, sampling, experimental design, and basic probability rules. Some examples of the sports questions that will be addressed: Should golfers try to hit their drives long or straight? and Does Gatorade improve athletic performance?

<b>555</b>	<b>Algebra III with Trig</b>	<b>1-2 terms</b>	<b>1-2 credits</b>	<b>11, 12</b>
------------	------------------------------	------------------	--------------------	---------------

**Prerequisite:** 534 or 535

This class is designed for the college-bound student who is not likely to major in Math or Science. This is also a good choice for Juniors who have completed Algebra II as a Sophomore, but do not feel confident enough to take Pre-Calculus/Trigonometry.

**555A** Topics include: Logical reasoning, solving and graphing linear and quadratic equations, solving and graphing linear and quadratic systems of equations, solving and graphing linear and quadratic inequalities, polynomial expressions, radical expressions, sequences, and series, probability and statistics and transformations of graphs.

**555B** Topics include: Logical reasoning, polynomial expressions, radical expressions, exponential and logarithmic functions, trigonometry, and transformations of graphs.

# 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.

Course #	Title	Length	Credit	Grade Level
600	Concert Band	3 terms	3	9, 10, 11, 12
601	Symphony Band	3 terms	3	9, 10, 11, 12
602	Jazz Band	3 terms	1.5	9, 10, 11, 12
609	Mixed Chorus	3 terms	3	9, 10, 11, 12
610	Treble Choir	3 terms	3	9, 10, 11, 12
611	Concert Choir	3 terms	3	9, 10, 11, 12
615	Music Theory and History	2 terms	2	9, 10, 11, 12

<b>600</b>	<b>Concert Band</b>	<b>3 terms</b>	<b>3 credits</b>	<b>9, 10, 11, 12</b>
------------	---------------------	----------------	------------------	----------------------

**Prerequisite:** Enrollment by audition

Students in Concert Band perform 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 and various local parades.) Students are also encouraged to perform at MSBOA Solo and Ensemble Festivals. (VPA)

<b>601</b>	<b>Symphony Band</b>	<b>3 terms</b>	<b>3 credits</b>	<b>9, 10, 11, 12</b>
------------	----------------------	----------------	------------------	----------------------

**Prerequisites:** Enrollment by audition

This concert organization consists of the most advanced instrumental musicians. The Symphony Band performs numerous concerts throughout the school year. Repertoire is of advanced difficulty, and thus, a certain level of technical proficiency is expected. Members of Symphony Band are required to participate in Marching Band unless granted a waiver by the conductor. (The Marching Band performs at all home varsity football games and various local parades.) Students are also encouraged to perform at MSBOA Solo and Ensemble Festivals. (VPA)

<b>602</b>	<b>Jazz Band</b>	<b>3 terms</b>	<b>1.5 credits</b>	<b>9, 10, 11, 12</b>
------------	------------------	----------------	--------------------	----------------------

**Prerequisites:** 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)

# Course Offerings

## Music Department

<b>609</b>	<b>Mixed Chorus</b>	<b>3 terms</b>	<b>3 credits</b>	<b>9, 10, 11, 12</b>
------------	---------------------	----------------	------------------	----------------------

**Prerequisite:** Teacher recommendation

Mixed Chorus is a vocal ensemble open to any student demonstrating the desire to improve his/her vocal and musicianship skills. Students will study a variety of musical styles. Emphasis will be placed on growth in vocal technique, music theory and the responsibilities and discipline necessary for participation in choir. This group participates in all major vocal music department performances. (VPA)

<b>610</b>	<b>Treble Choir</b>	<b>3 terms</b>	<b>3 credits</b>	<b>9, 10, 11, 12</b>
------------	---------------------	----------------	------------------	----------------------

**Prerequisite:** Enrollment by audition only

Treble Choir is a select vocal ensemble of female voices offered with emphasis placed on further development of vocal technique and sight singing skills. This group studies and performs a wide variety of styles of music: classical (including a variety of foreign language texts), folk, popular, jazz, and multi-cultural. 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)

<b>611</b>	<b>Concert Choir</b>	<b>3 terms</b>	<b>3 credits</b>	<b>9, 10, 11, 12</b>
------------	----------------------	----------------	------------------	----------------------

**Prerequisites:** Enrollment by audition only

Concert Choir is a highly select vocal ensemble of male and female singers. Advanced musicianship skills are developed through rigorous training in sight singing, theory, and musical dictation. This group studies and performs a wide variety of styles of music: classical (including a variety of foreign language texts), folk, popular, jazz, and multi-cultural. 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)

<b>615</b>	<b>Music Theory and History</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
------------	---------------------------------	----------------	------------------	----------------------

**Prerequisites:** Students must be able to read music

This course is designed for students planning to pursue a major or minor in music at a college or university. One term will focus on music theory. Students will receive knowledge of the fundamentals of music. One term 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 be able to read music before taking this course. (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.

<b>Course #</b>	<b>Title</b>	<b>Length</b>	<b>Credit</b>	<b>Grade Level</b>
650	Physical Education	1 term	1	9
651	Health	1 term	1	9
652	Lifetime Fitness I	1 term	1	9, 10
660	Advanced Physical Education	1-3 terms	1-3	10, 11, 12
670	Physical Conditioning	1-3 terms	1-3	10, 11, 12
675	Female Physical Conditioning	1-3 terms	1-3	10, 11, 12

# Course Offerings Physical Education/ Health Dept.

<b>650</b>	<b>Physical Education</b>	<b>1 term</b>	<b>1 credit</b>	<b>9</b>
------------	---------------------------	---------------	-----------------	----------

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.

<b>651</b>	<b>Health</b>	<b>1 term</b>	<b>1 credit</b>	<b>9</b>
------------	---------------	---------------	-----------------	----------

Health class includes the study of body systems, physical well-being, and healthful living practices.

<b>652</b>	<b>Lifetime Fitness I</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10</b>
------------	---------------------------	---------------	-----------------	--------------

A personal fitness class designed for the student who prefers non-competitive sports, activities and atmosphere. Emphasis will be placed on baseline testing of your 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 9<sup>th</sup> & 10<sup>th</sup> 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.

<b>660</b>	<b>Advanced Physical Education</b>	<b>1-3 terms</b>	<b>*1-3 credits</b>	<b>10, 11, 12</b>
------------	------------------------------------	------------------	---------------------	-------------------

**Prerequisite:** 650

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. (Due to space limitations at Lapeer West, students may also be expected to engage in activities to improve body conditioning through fitness routines and weight lifting.) **This course may be repeated for credit.**

<b>670</b>	<b>Physical Conditioning</b>	<b>1-3 terms</b>	<b>1-3 credits</b>	<b>10, 11, 12</b>
------------	------------------------------	------------------	--------------------	-------------------

**Prerequisite:** 650

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. (Due to space limitation at Lapeer West, the gymnasium will be unavailable for this class. Students will engage in running, aerobic exercise and weight lifting only.)

<b>675</b>	<b>Female Physical Conditioning</b>	<b>1-3 terms</b>	<b>1-3 credits</b>	<b>10, 11, 12</b>
------------	-------------------------------------	------------------	--------------------	-------------------

**Prerequisite:** 650

This course will provide female students an opportunity to learn how to tone and sculpt their body using 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.

# 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.

Fundamental: Courses are remedial classes for students who achieve significantly below grade level, admitted by permission of science teacher, special education teacher or counselor only.

Course #	Title	Length	Credit	Grade Level
700	Fundamental Physical Science/Chemistry	1 term	1	9
701	Fundamental Physical Science/Physics	1 term	1	9
702	Fundamental Life Science	2 terms	2	10
715	Physical Science/Chemistry	1 term	1	9
716	Physical Science/Physics	1 term	1	9
720	Biology I	2 terms	2	*9, 10
721	Human Anatomy/Physiology	2 terms	2	*10, 11, 12
722	Advanced Topics in Biology	1 term	1	10, 11, 12
723	General Science Skills	1 term	1	9, 10 (West only)
724	AP Biology	3 terms	3	11, 12
727	Forensic Chemistry	2 terms	2	11, 12(East only)
730	Chemistry I	2 terms	2	*10, 11,12
731	AP Chemistry	3 terms	3	11, 12
735	Conceptual Chemistry	1 term	1	11, 12(West only)
740	Physics	2 terms	2	11, 12
741	Advanced Topics in Physics	1 term	1	11, 12
745	Conceptual Physics	1 term	1	11, 12
750	Astronomy	1 term	1	11, 12 (West only)
755	Meteorology	1 term	1	11, 12 (West only)
760	Ecology	1 term	1	11, 12
765	AP Environmental Science	3 terms	3	11, 12

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

# Course Offerings

## Science Department

<b>700</b>	<b>Fundamental Physical Science/Chemistry</b>	<b>1 term</b>	<b>1 credit</b>	<b>9</b>
------------	---	---------------	-----------------	----------

A remedial introduction to the essential concepts of chemistry, this course will provide one half of the MMC chemistry requirement. Requires counselor/department approval.

<b>701</b>	<b>Fundamental Physical Science/Physics</b>	<b>1 term</b>	<b>1 credit</b>	<b>9</b>
------------	---	---------------	-----------------	----------

A remedial introduction to the essential concepts of physics, this course will provide one half of the MMC physics requirement. Requires counselor/department approval.

<b>702</b>	<b>Fundamental Life Science</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10</b>
------------	---------------------------------	----------------	------------------	-----------

**702A** A remedial introduction to the essential concepts of biology including cell structure and function, this course will provide one half of the MMC life science requirement. Requires counselor/department approval.

**702B** A remedial introduction to the essential concepts of biology including cell division, reproduction and inheritance, and diversity of life, this course will provide one half of the MMC life science requirement. Requires counselor/department approval.

<b>715</b>	<b>Physical Science/Chemistry</b>	<b>1 term</b>	<b>1 credit</b>	<b>9</b>
------------	-----------------------------------	---------------	-----------------	----------

A study of the essential concepts of chemistry, this course will provide one half of the MMC chemistry requirement. Concurrent enrollment or successful completion of Algebra I.

<b>716</b>	<b>Physical Science/Physics</b>	<b>1 term</b>	<b>1 credit</b>	<b>9</b>
------------	---------------------------------	---------------	-----------------	----------

A study of the essential concepts of physics, this course will provide one half of the MMC physics requirement. Concurrent enrollment or successful completion of Algebra I.

<b>720</b>	<b>Biology I</b>	<b>2 terms</b>	<b>2 credits</b>	<b>*9, 10</b>
------------	------------------	----------------	------------------	---------------

**720A** A detailed study of the essential concepts of biology including cell structure and functions, this course will provide one half of the MMC life science requirement. (NCAA)

**720B** A detailed study of the essential concepts of biology including cell division, reproduction and inheritance, and diversity of life, this course will provide one half of the MMC life science requirement. (NCAA)

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

<b>721</b>	<b>Human Anatomy/Physiology</b>	<b>2 terms</b>	<b>2 credits</b>	<b>*10, 11, 12</b>
------------	---------------------------------	----------------	------------------	--------------------

**Prerequisite:** 720 A&B or department approval

**721H** A detailed study of human anatomy including body orientation, histology, musculature, and the skeletal system. (NCAA)

**721P** A detailed study of physiology including the nervous, circulatory, digestive and respiratory systems. Specimen dissections required for all body systems. (NCAA)

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

<b>722</b>	<b>Advanced Topics in Biology</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
------------	-----------------------------------	---------------	-----------------	-------------------

**Prerequisite:** 720 A&B

Advanced Topics in Biology offers a detailed study of additional topics, including, but not limited to, botany, genetics, and microbiology. (NCAA approval pending)

# Course Offerings

## Science Department

<b>723</b>	<b>General Science Skills</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10 (West only)</b>
------------	-------------------------------	---------------	-----------------	--------------------------

General science skills will be a one trimester elective that focus on developing requisite science skills needed for core requirement success. Concepts covered will include the problem solving continuum, measurement conversion, composition of matter, basic laboratory procedures, observation writing skills, and note taking/organization for the successful science student.

<b>724</b>	<b>AP Biology</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
------------	-------------------	----------------	------------------	---------------

**Prerequisites:** Bio I (720 A&B) and Chem I (730 A&B)

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: Trimester 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)

**724C** (Prerequisite: Trimester B) The third trimester of AP Biology will include further detailed study of classification, plant and animal anatomy, physiology, and ecology. (NCAA)

<b>727</b>	<b>Forensic Chemistry</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11,12 (East only)</b>
------------	---------------------------	----------------	------------------	--------------------------

**Prerequisite:** 715

**727A** This course has been designed to engage students in the 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. (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 one half of the MMC chemistry requirement. (NCAA)

**Prerequisite:** 727A

**727B** This course has been designed to engage students in the study of chemistry through a forensic science approach. Students will learn about basic qualitative chemistry concepts as they apply to arson investigation, 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 one half of the MMC chemistry requirement. (NCAA)

# Course Offerings

## Science Department

<b>730</b>	<b>Chemistry I</b>	<b>2 terms</b>	<b>2 credits</b>	<b>*10, 11, 12</b>
------------	--------------------	----------------	------------------	--------------------

Recommended completion or concurrent enrollment in Algebra I

**730A** A detailed study of the essential concepts of chemistry including atomic structure, periodicity bonding, , chemical change, and laboratory skills. This course will provide the one half of the MMC chemistry requirement. (NCAA)

**Recommended completion or concurrent enrollment in Algebra I**

**730B** A detailed study of the essential concepts of chemistry including stoichiometry, heat, gas laws, solutions, acids and bases, nuclear chemistry, and laboratory skills. This course will provide half of the MMC chemistry requirement. (NCAA)

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

<b>731</b>	<b>AP Chemistry</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
------------	---------------------	----------------	------------------	---------------

**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:** 731A, and recommended completion or concurrent enrollment in Algebra II

**731B** 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)

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

**731C** The third trimester of AP Chemistry will include further study of carbon chemistry, polymers, and transition metal chemistry. Emphasis will be placed on laboratory experiences, in addition to AP exam practice and preparation. (NCAA)

<b>735</b>	<b>Conceptual Chemistry</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12 (West only)</b>
------------	-----------------------------	---------------	-----------------	---------------------------

**Prerequisite:** 715

A general level exploration of topics in chemistry to complete the MMC graduation requirements for chemistry.

<b>740</b>	<b>Physics</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11, 12</b>
------------	----------------	----------------	------------------	---------------

**Recommended completion or concurrent enrollment in Pre-Calculus**

**740A** A detailed study of concepts and problem solving skills involving vectors, kinematics, and gravitational effects. (NCAA) (MathR)

**Recommended completion or concurrent enrollment in Pre-Calculus**

**740B** A detailed study of concepts and problem solving skills involving forces, Newtonian physics, energy transformations and waves. (NCAA) (MathR)

<b>741</b>	<b>Advanced Topics in Physics</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12</b>
------------	-----------------------------------	---------------	-----------------	---------------

**Prerequisite:** 740A & B

A detailed study of additional physics topics including application of forces and motion at Cedar Point, studies of light, sound, electricity and magnetism. (NCAA) (MathR)

# Course Offerings

## Science Department

<b>745</b>	<b>Conceptual Physics</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12</b>
------------	---------------------------	---------------	-----------------	---------------

**Prerequisites:** 701 or 716

A lab oriented exploration of physics concepts for general education students that will provide one half of the MMC requirement for physics. Topics include forces, motion, and energy.

<b>750</b>	<b>Astronomy</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12 West only</b>
------------	------------------	---------------	-----------------	-------------------------

**Recommended completion or concurrent enrollment in Algebra I**

A study of the planets, stars and galaxies that make up the universe. (NCAA)

<b>755</b>	<b>Meteorology</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12 West only</b>
------------	--------------------	---------------	-----------------	-------------------------

A study of the atmosphere and conditions that produce the weather. (NCAA)

<b>760</b>	<b>Ecology</b>	<b>1 term</b>	<b>1 credit</b>	<b>11,12</b>
------------	----------------	---------------	-----------------	--------------

**Prerequisite:** 720 A&B or department approval

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

<b>765</b>	<b>AP Environmental Science</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
------------	---------------------------------	----------------	------------------	---------------

**Prerequisite:** 730 A&B completion or concurrent enrollment with department approval; completion of Algebra I. Out of class reading is mandatory and some labs will be conducted outside which will require appropriate dress.

**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)

**765C** Prerequisite 765B The third trimester of APES will include further study of the environment addressing energy basics, fossil fuels, climate change and ozone loss, energy efficiency, sustaining human societies: economically, politically with global implications, worldviews and ethics. Continued AP test practice and preparation is presented. (NCAA)

# Course Offerings

## Social Studies Department

Course #	Title	Length	Credit	Grade Level
820	Fundamental World History	2 terms	2	9
825	World History	2 terms	2	9
840	Fundamental Civics	1 term	1	10
841	Fundamental Economics	1 term	1	10
845	Civics	1 term	1	10
846	Economics	1 term	1	10
850	Fundamental US History	2 terms	2	11
851	US History (1877 – Present)	2 terms	2	11
853	AP United States History	3 terms	3	11
862	AP Government and Politics	3 terms	3	11, 12
869	AP Psychology	3 terms	3	11, 12
870	Psychology	1 term	1	11, 12
871	Sociology	1 term	1	11, 12
877	Criminology A and B	1-2 terms	1-2	11, 12
880	Amer Wars: Independence-Expansion	(Not offered in 2011– 2012)		
881	Amer Wars: Civil War - World War	1 term	1	9,10,11,12
882	Amer Wars: 20 <sup>th</sup> Century and Beyond	1 term	1	9,10,11,12(West only)
883	The Civil Rights Movement	1 term	1	9,10,11,12(West only)
886	American Sports History A	1 term	1	9, 10,11, 12
887	American Sports History B	(Not offered in 2011-2012)		
890	The American West	1 term	1	9,10,11,12(East only)
891	The American Jury	(Not offered in 2011– 2012)		
892	Women in America	1 term	1	11, 12 (West only)

# Course Offerings

## Social Studies Department

<b>820</b>	<b>Fundamental World History</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9</b>
------------	----------------------------------	----------------	------------------	----------

**820A** This remedial course gives students a chronological overview of World History from prehistory up to the Middle Ages required of all ninth grade students. Requires counselor/department approval.

**820B** This remedial course gives students a chronological overview of World History from the Middle Ages to the 20<sup>th</sup> century required of all ninth grade students. Requires counselor/department approval.

<b>825</b>	<b>World History</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9</b>
------------	----------------------	----------------	------------------	----------

**825A** A chronological overview of World History from prehistory up to the Middle Ages required of all ninth grade students (May be taken as an elective for social studies for grades 10 to 12). (NCAA)

**825B** A chronological overview of World History from the Middle Ages to the 20<sup>th</sup> century required of all ninth grade students (May be taken as an elective for social studies for grades 10 to 12). (NCAA)

<b>840</b>	<b>Fundamental Civics</b>	<b>1 term</b>	<b>1 credit</b>	<b>10</b>
------------	---------------------------	---------------	-----------------	-----------

This remedial course gives students an overview 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. Requires counselor/department approval.

<b>841</b>	<b>Fundamental Economics</b>	<b>1 term</b>	<b>1 credit</b>	<b>10</b>
------------	------------------------------	---------------	-----------------	-----------

This remedial course gives students an overview of the basic concepts of the American economy. 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 essential citizens in our national and increasingly interconnected world economy. Requires counselor/department approval.

<b>845</b>	<b>Civics</b>	<b>1 term</b>	<b>1 credit</b>	<b>10</b>
------------	---------------	---------------	-----------------	-----------

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)

<b>846</b>	<b>Economics</b>	<b>1 term</b>	<b>1 credit</b>	<b>10</b>
------------	------------------	---------------	-----------------	-----------

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 essential citizens in our national and increasingly interconnected world. (NCAA)

# Course Offerings

## Social Studies Department

<b>850</b>	<b>Fundamental US History</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11</b>
------------	-------------------------------	----------------	------------------	-----------

**850A** This remedial course gives students an overview of United States history from the 1890s to the end of the Great Depression. Topics that will be addressed are New Frontiers-America moving West, the Progressive Era, WWI, America during the 20s, the Great Depression and the New Deal. Requires counselor/department approval.

**850B** This remedial course gives students an overview of United States history from WWII to the present. Topics that will be addressed are WWII, the Cold War, the Civil Rights Struggle, and the Vietnam War. Requires counselor/department approval.

<b>851</b>	<b>US History (1877 – Present)</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11</b>
------------	------------------------------------	----------------	------------------	-----------

**851A** This class will include a chronological overview of US history from the 1890s to end of the Great Depression. Topics that will be addressed are New Frontiers-America moving West, the Progressive Era, WWI, America during the 20s, the Great Depression and the New Deal. (NCAA)

**851B** This class will include a chronological overview of US history from WWII to the present day. Topics that will be addressed are WWII, the Cold War, the Civil Rights Struggle, and the Vietnam War. Requires counselor/department approval. (NCAA)

<b>853</b>	<b>AP United States History</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11</b>
------------	---------------------------------	----------------	------------------	-----------

\*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.

**853A** 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. Students are strongly encouraged to take the AP exam. (NCAA)

**853B** 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 the Industrial Age to the present day will be covered. Students are strongly encouraged to take the AP exam. (NCAA)

**853C** The third part of this course will cover the 1960s through the present day America. 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 trimester. After the AP exam several projects and simulations will occur in this class. (NCAA)

# Course Offerings

## Social Studies Department

<b>862</b>	<b>AP US Government and Politics</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
------------	--------------------------------------	----------------	------------------	---------------

This course is designed to prepare students for the AP exam in May. \*Summer Work may be assigned for this course.

**862A** This advanced placement course will give students an analytical perspective on government and politics in the United States. This term will focus 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 and elections and campaigns. This course is designed to prepare students for the AP exam in May. Teacher and department recommendation is required. (NCAA)

**862B** This advanced placement course will give students an analytical perspective on government and politics in the United States. This term will focus on a variety of interest groups, the role of the media, the roles and organization of Congress, and the powers to the presidency and judiciary branch. This course is designed to prepare students for the AP exam in May. Teacher and department recommendation is required. (NCAA)

**862C** This advanced placement course will give students an analytical perspective on government and politics in the United States. This term will focus on the policy-making process, our economic policy, social program, our civil liberties, and explore the structures and policies for making foreign and military policy. This course is designed to prepare students for the AP exam in May. Teacher and department recommendation is required. (NCAA)

<b>869</b>	<b>AP Psychology</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
------------	----------------------	----------------	------------------	---------------

\*This course is designed to prepare students for the AP exam in May. Summer work may be assigned for this course.

**869A** 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 and the methods psychologists use in their science and practice. Topics included in this term include: Introduction and Methods, Behavioral Neuroscience, Sensation and Perception, Consciousness, Learning, Memory, Thought and Language, and Nature vs. Nurture. Students are strongly encouraged to take the Advanced Placement Exam. (NCAA)

**869B** (See 869A) Topics included in this term include: Human Development, Intelligence, Motivation, Emotion, Social Influence, Social and Cultural Groups, Personality, Psychological Disorders, Treatment and Health and Well-Being. Students are strongly encouraged to take the Advanced Placement Exam. (NCAA)

**869C** (See 869A) Topics included in this term include: Personality, Psychological Disorders, Treatment and Health and Well-Being. Also, included in this trimester 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

<b>870</b>	<b>Psychology</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12</b>
------------	-------------------	---------------	-----------------	---------------

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)

<b>871</b>	<b>Sociology</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12</b>
------------	------------------	---------------	-----------------	---------------

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)

<b>877</b>	<b>Criminology A and B</b>	<b>1-2 terms</b>	<b>1-2 credits</b>	<b>11, 12</b>
------------	----------------------------	------------------	--------------------	---------------

**Students may enroll in either section of Criminology for 1 term – Students may take the A and B in any order.**

**877A** 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 legal aspects. The course will also provide students opportunities to participate in discussions with the legal community and members of law enforcement agencies. (NCAA)

**877B** 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 concentrate on the functions of the courts, sentencing in terms of both philosophy and practice, the development of probation, parole, community corrections, and imprisonment as correctional philosophies, 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)

<b>880</b>	<b>American Wars: Independence-Expansion</b>	<b>(Not offered in 2011-2012)</b>
------------	--	-----------------------------------

This course will provide students with an opportunity to carefully examine the following American Military conflicts of the 18<sup>th</sup> & 19<sup>th</sup> 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. This course is not offered in 2011 – 2012. (NCAA)

# Course Offerings

## Social Studies Department

<b>881 American Wars: Civil War-World War</b>	<b>1 term</b>	<b>1 credit</b>	<b>9,10,11,12</b>
---	---------------	-----------------	-------------------

This course will provide students with an opportunity to carefully examine the following American military conflicts of the 19<sup>th</sup> and 20<sup>th</sup> 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. West Ninth and Tenth grades may request this class with current Social Studies teacher approval. (NCAA)

<b>882 American Wars: 20th Century and Beyond</b>	<b>1 term</b>	<b>1 credit</b>	<b>9,10,11,12 (West only)</b>
---	---------------	-----------------	-------------------------------

This course will provide students with an opportunity to carefully examine the following American military conflicts of the 20<sup>th</sup> 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. West Ninth and Tenth grades may request this class with current Social Studies teacher approval. (NCAA)

<b>883 The Civil Rights Movement</b>	<b>1 term</b>	<b>1 credit</b>	<b>9,10,11,12 (West only)</b>
--------------------------------------	---------------	-----------------	-------------------------------

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.

<b>886 American Sports History A</b>	<b>1 term</b>	<b>1 credit</b>	<b>9,10,11,12</b>
--------------------------------------	---------------	-----------------	-------------------

**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, boxing, wrestling 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.

<b>887 American Sports History B</b>	<b>(Not offered in 2011-2012)</b>		
--------------------------------------	-----------------------------------	--	--

**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 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. This course is offered in alternating years at East and West.

# Course Offerings

## Social Studies Department

<b>890</b>	<b>The American West</b>	<b>1 term</b>	<b>1 credit</b>	<b>9,10,11,12, (East only)</b>
------------	--------------------------	---------------	-----------------	--------------------------------

This course will incorporate many opportunities for students to read both primary and secondary sources regarding the topics that will be covered in this class. This class will also offer cross curricula connections in English/Language Arts, Science and Psychology. In addition at least one research project will be required using the Modern Language Association writing standard. Topics of discussion will include the Gold Rush and miners, myths about the West, Native Americans in the West, the Transcontinental Railroad, outlaws, the impact of nature and disease on the West, and Las Vegas. (NCAA)

<b>891</b>	<b>The American Jury</b>	<b>(Not offered in 2011 – 2012)</b>		
------------	--------------------------	-------------------------------------	--	--

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!

<b>892</b>	<b>Women in America</b>	<b>1 term</b>	<b>1 credit</b>	<b>11,12 (West only)</b>
------------	-------------------------	---------------	-----------------	--------------------------

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 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)

# Course Offerings

## World Language

The French and Spanish programs are designed to introduce and develop the four basic language skills of speaking, listening, reading and writing. Students seeking college admission are highly recommended to complete a sequence of two years or more in one of the language; students who intend to major at college in a field that requires a world language should consider completing a sequence of three or more years of a language in high school. If enrollment numbers indicate the need, fifth, fourth and possibly third-year classes may be combined between East and West. Teacher recommendation and/or a minimum grade of C- are required for advancement to the next level.

Course #	Title	Length	Credit	Grade Level
300	French 1	2 terms	2	9, 10, 11, 12
301	French II	2 terms	2	9, 10, 11, 12
302	French III	2 terms	2	10, 11, 12
303	French IV	2 terms	2	11, 12
304	AP French	3 terms	3	12
306	French Culture and Cuisine A	(Not offered in 2011-2012)		
307	French Culture and Cuisine B	1 term	1	9,10,11,12
310	Spanish I	2 terms	2	9, 10, 11, 12
311	Spanish II	2 terms	2	9, 10, 11, 12
312	Spanish III	2 terms	2	10, 11, 12
313	Spanish IV	2 terms	2	11, 12
314	AP Spanish	3 terms	3	12
315	Spanish Culture & Cooking	(Not offered in 2011-2012)		
317	Latin American Culture & Cooking	1 term	1	9, 10, 11, 12
380	Humanities	2 terms	2	10, 11, 12
382	Humanities II	2 terms	2	11, 12 (West only)
385	American Sign Language I	2 terms	2	11, 12
387	American Sign Language II	2 terms	2	12

# Course Offerings

## World Language

<b>300</b>	<b>French I</b>	<b>1 or 2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
------------	-----------------	---------------------	------------------	----------------------

**300A** 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)

**300B Prerequisite:** French 300A or Middle School French B & French C.

Students will continue their skills of developing listening, reading, writing, and speaking skills. Students will continue learning basic vocabulary and grammar. The geography and traditions of French-speaking people will continue to be introduced. (NCAA)

<b>301</b>	<b>French II</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
------------	------------------	----------------	------------------	----------------------

**301A Prerequisite:** French 300B or teacher approval

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)

**301B Prerequisite:** French 301A or teacher approval

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

<b>302</b>	<b>French III</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
------------	-------------------	----------------	------------------	-------------------

**302A Prerequisite:** French 301A and 301B or teacher approval

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)

**302B Prerequisite:** French 302A or teacher approval

Students will pick up where 302A left off and continue to learn more advanced vocabulary and grammar. Students will continue reading, listening, speaking and writing in the target language. There will be a continuation of the study of the geography and traditions of French-speaking countries and people. Class may be conducted in French. (NCAA)

<b>303</b>	<b>French IV</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11, 12</b>
------------	------------------	----------------	------------------	---------------

**303A Prerequisite:** French 302A and 302B or teacher approval

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. If class is held independent of another level French class, 303A & 303B do not have to be taken in sequential order. (NCAA)

**303B Prerequisite:** French 302A and 302B or teacher approval

Class will be conducted in French. The class will continue its in-depth study of French grammar, vocabulary, and culture. Continued growth and improvement in composition and oral competency will be stressed. If class is held independent of another level French class, 303A & 303B do not have to be taken in sequential order. (NCAA)

# Course Offerings

## World Language

<b>304</b>	<b>AP French Language</b>	<b>3 terms</b>	<b>3 credits</b>	<b>12</b>
------------	---------------------------	----------------	------------------	-----------

\*Based on enrollment, this course may run as a split class with French IV. If so, the course will be French V (Not AP) and will run for 2 terms.

**304A Prerequisite:** 303A and 303B or teacher approval

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. (NCAA, AP)

**304B Prerequisite:** French 304A

Class will be conducted in the target language A continuation of 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. (NCAA, AP)

**304C Prerequisite:** French 304A and 304B

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 in May. (NCAA, AP)

<b>306</b>	<b>French Culture and Cuisine A</b>	<b>(Not offered in 2011-2012)</b>		
------------	-------------------------------------	-----------------------------------	--	--

**Prerequisite:** Completed or concurrent with 301(French II) or teacher approval.

Learn to make beignets and quiche. This course will explore 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 NOT A GRAMMAR CLASS. 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 course will be offered in alternating years..

<b>307</b>	<b>French Culture and Cuisine B</b>	<b>1 term</b>	<b>1 credit</b>	<b>9,10,11,12</b>
------------	-------------------------------------	---------------	-----------------	-------------------

**Prerequisite:** Completed or concurrent with 301 (French II) or teacher approval. May take 306 and 307 in any order.

Learn to make crepes and crème brulee. This course will take a region by region tour through France of culture and cuisine. This course is designed to complement the French language courses. The emphasis will be on the culture and food rather than the language itself. THIS IS NOT A GRAMMAR CLASS. The cuisine and culture of each region will be introduced through food, art, music, film, literature, and history. This course will be offered in alternating years.

<b>310</b>	<b>Spanish I</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
------------	------------------	----------------	------------------	----------------------

**310A** 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. (NCAA)

**310 B Prerequisite:** Spanish 310A at Middle School Spanish B and Spanish C.

Students will continue on their skills of developing listening, reading, writing, and speaking skills which were introduced in Spanish 310A. Students will continue learning basic vocabulary and grammar. The geography and traditions of Spanish-speaking people will continue to be introduced. (NCAA)

# Course Offerings

## World Language

<b>311</b>	<b>Spanish II</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
------------	-------------------	----------------	------------------	----------------------

**311 A Prerequisite:** 310 A&B

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)

**311B Prerequisite:** 311A

Continuing where Spanish I left off, students will continue to develop more proficiency in reading, writing, speaking, and listening. Students will continue to 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)

<b>312</b>	<b>Spanish III</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
------------	--------------------	----------------	------------------	-------------------

**312A Prerequisite:** 311A & B

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)

**312B Prerequisite:** 312A

Students will pick up where 312A left off and continue to learn more advanced vocabulary and grammar. Students will continue reading, listening, speaking and writing in the target language. There will be a continuation of the study of geography and traditions of Spanish-speaking countries and peoples. Class may be conducted in Spanish. (NCAA)

<b>313</b>	<b>Spanish IV</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11, 12</b>
------------	-------------------	----------------	------------------	---------------

**313A Prerequisite:** 312A and B

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. (NCAA)

**313B Prerequisite:** Spanish 313A

Class will be conducted in Spanish. Class will continue its in-depth study of Spanish grammar, vocabulary, and culture that began in 313A. Continued growth and improvement in composition and oral competencies will be stressed. Senior completing this class may choose to take the AP Spanish language exam.(NCAA)

# Course Offerings

## World Language

<b>314</b>	<b>AP Spanish Language</b>	<b>3 terms</b>	<b>3 credits</b>	<b>12</b>
------------	----------------------------	----------------	------------------	-----------

\*Based on enrollment, this course may run as a split class with Spanish IV. If so, the course will be Spanish V (not AP) and will run for 2 terms.

**314A Prerequisite:** 313 A&B

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. (NCAA, AP)

**314B Prerequisite:** 314A

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. (NCAA, AP)

**314C Prerequisite:** 314A&B

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 class will have the option of taking the AP Spanish language exam. (NCAA, AP)

<b>315</b>	<b>Spanish Culture &amp; Cooking</b>	<b>(Not offered in 2011-12)</b>
------------	--------------------------------------	---------------------------------

**Prerequisite:** Completed or concurrent with 311 or teacher approval.

Learn to make a Spanish tortilla and paella. This course will explore Spain's culture through, food, film, 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 to the classroom. Students need to have completed or be enrolled in Spanish II. This class will be offered in alternating years.

<b>317</b>	<b>Latin American Culture and Cooking</b>	<b>1 term</b>	<b>1 credit</b>	<b>9,10,11,12</b>
------------	---	---------------	-----------------	-------------------

**Prerequisite:** Completed or concurrent with 311 or teacher approval.

Learn to make quesadillas and tres leches cake. This course will explore Mexican 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 Mexico and Latin America to the classroom. Students need to have completed or be enrolled in Spanish II. This class will be offered in alternating years.

# Course Offerings

## World Language

<b>380</b>	<b>Humanities</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
------------	-------------------	----------------	------------------	-------------------

**380A** 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 (A) we will study Prehistory, Ancient Mesopotamia, Ancient Egypt, and an overview of Ancient Far Eastern cultures such as India, Japan, and China. There are no prerequisites for this course. Humanities IA may be taken for one trimester only for VPA credit. (VPA)

**380B Prerequisite:** 380A

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 I (B) 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 IB may be taken for one trimester only for VPA credit. (VPA)

<b>382</b>	<b>Humanities II</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12 (West only)</b>
------------	----------------------	----------------	------------------	-------------------------------

**Prerequisite:** 380 A & B

**382A** 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 (A) we will study the Early Middle Ages and the Romanesque, the Gothic and Late Middle Ages, The Renaissance, and the Baroque Age. There are no prerequisites for this course. Humanities IIA may be taken for one trimester only for VPA credit. (VPA)

**382B Prerequisite:** 382A

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, and literature, and theatre. In Humanities II (B) we will study the 18<sup>th</sup> Century, Romanticism and Realism, Impressionism and Post-Impressionism, the 20<sup>th</sup> Century, and Contemporary Life. This trimester of Humanities is heavily focused on the study of art history and music). Humanities IIB may be taken for one trimester only for VPA credit. (VPA)

# Course Offerings

## World Language

---

<b>385</b>	<b>American Sign Language I</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11, 12</b>
------------	---------------------------------	----------------	------------------	---------------

### **385A**

This is a basic course in manual communications. 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.

### **385B**

**Prerequisite:** 385A

This course reviews basic concepts in American Sign Language. The students continue to build their vocabulary, analyze linguistic structure, and increase the understanding of the cultural dynamics taking place in the Deaf community.

<b>387</b>	<b>American Sign Language II</b>	<b>2 terms</b>	<b>2 credits</b>	<b>12</b>
------------	----------------------------------	----------------	------------------	-----------

### **387A**

**Prerequisite:** 385 A & B

The second year of American Sign Language course continues the development of linguistic proficiency and cultural awareness begun in the first two years 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.

### **387B**

**Prerequisite:** 387A

This course is designed to continue development of semantics and increasingly more complex syntactical structures in American Sign Language. This class will give students the opportunities for further refinement of expressive and receptive language skills and Deaf community involvement.

# Course Offerings

## Yearbook

Course #	Title	Length	Credit	Grade Level
901	Student Publications	1-3 terms	1-3	9, 10, 11, 12

<b>901</b>	<b>Student Publications</b>	<b>3 terms</b>	<b>3 credits</b>	<b>9 (East only), 10, 11, 12</b>
------------	-----------------------------	----------------	------------------	----------------------------------

This is a two-trimester or three-trimester course. Students can enroll in the first two trimesters (considered in conjunction). Students taking a leadership role must enroll in all three trimesters. This course is responsible for the development, creation, selling, and distribution of the yearbook and student newspaper. At West High School, students in this course will also be responsible for maintenance of the building website. 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 this course over three trimesters. (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.

Course #	Title	Length	Credit	Grade Level
926	Academic Support	3 terms	3	9, 10, 11, 12

### **Cross-Catagorical Special Education Program**

These classes required preapproval by the Special Education Department and IEPT. These classes do not meet MME curriculum requirements.

93009	High School English Support	2 terms	2	9, 10, 11, 12
93209	High School Math Support	2 terms	2	9, 10, 11, 12
935	High School Social Studies Support	2 terms	2	9, 10, 11, 12
938	High School Science Support	2 terms	2	9, 10, 11, 12

# Course Offerings

## Special Education Dept

---

<b>926</b>	<b>Academic Support</b>	<b>3 terms</b>	<b>3 credits</b>	<b>9, 10, 11, 12</b>
------------	-------------------------	----------------	------------------	----------------------

This class is designed to provide students with assistance and support in regard to classroom assignments, homework, and quizzes/tests. IEP approval

<b>93009</b>	<b>High School English Support</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
--------------	------------------------------------	----------------	------------------	----------------------

This class is designed to provide students with the basic literacy skills needed to function in adult life. **Please note:** For the class of 2011 & beyond, 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.

<b>93209</b>	<b>High School Math Support</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
--------------	---------------------------------	----------------	------------------	----------------------

This class is designed to provide students with the basic math skills needed to function in adult life.

**Please note:** For the class of 2011 & beyond, 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.

<b>935</b>	<b>High School Social Studies Support</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
------------	---	----------------	------------------	----------------------

This class is designed to provide students with the basic knowledge of history, geography, and citizenship needed to function in adult life.

**Please note:** For the class of 2011 & beyond, 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.

<b>938</b>	<b>High School Science Support</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
------------	------------------------------------	----------------	------------------	----------------------

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:** For the class of 2011 & beyond, 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

Course #	Title	Length	Credit	Grade Level
950	Guided Academics 950E – Guided Academics English 950M – Guided Academics Math 950S – Guided Academics Science 950SS – Guided Academics Social Studies	1 term	1	9, 10, 11, 12
952	Strategies for Success	1 term	1	11
955	Career Readiness	1 term	1	10, 11, 12
960	Cadet Teacher – Middle School	3 terms	3	11, 12
961	Cadet Teacher - Elementary	3 terms	3	11, 12
965	Library Assistant	1-3 terms	1-3	10, 11, 12
970	Technology Assistant	1-3 terms	1-3	10, 11, 12
980	Cooperative Education - Occupational	1-3 terms	1-6	11, 12
981	Cooperative Education - Senior	1-3 terms	1-3	11, 12
	Pre-Engineering Program		Dual Enrollment	
	Medical Careers Accelerated Program		Dual Enrollment	

# Course Offerings

## Special Programs

<b>950</b>	<b>Guided Academics</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
------------	-------------------------	---------------	-----------------	----------------------

**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.

<b>952</b>	<b>Strategies for Success</b>	<b>1 term</b>	<b>1 credit</b>	<b>11</b>
------------	-------------------------------	---------------	-----------------	-----------

The course content covers strategies that may enhance a student's performance on common standardized tests such as ACT and MME. 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, and test-taking strategies. This course is **highly recommended** for all juniors that did not obtain the minimum scores, as follows, on the PLAN test administered in 10<sup>th</sup> grade: Mathematics: 18 Reading: 18 Science: 20 English: 19

<b>955</b>	<b>Career Readiness</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
------------	-------------------------	---------------	-----------------	-------------------

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<sup>th</sup> and 12<sup>th</sup> 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.

<b>957</b>	<b>Peer Tutoring</b>	<b>1-3 terms</b>	<b>1-3 credits</b>	<b>11, 12</b>
------------	----------------------	------------------	--------------------	---------------

**Prerequisite:** Teacher Recommendation

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. Teacher and counselor approval needed.

<b>960</b>	<b>Cadet Teacher – Middle School</b>	<b>2-3 terms</b>	<b>2-3 credits</b>	<b>11, 12</b>
------------	--------------------------------------	------------------	--------------------	---------------

Students interested in the Human Services career pathway and particularly those interested in pursuing a degree in secondary education will gain work experience in the middle school classroom. The primary responsibilities of the cadet teacher would be to tutor students individually or in small groups in the subject matter; present information and instructions to the class; assist with make-up work; help to develop study skills strategies; and assist the mentor teacher in daily classroom activities and projects. Applications and recommendations are to be submitted to the Cooperative Education coordinator for interviews. The principal determines final approval.

**East only:** Students will be required to attend a brief before-school seminar twice per month with the coordinator.

# Course Offerings

## Special Programs

<b>961</b>	<b>Cadet Teacher - Elementary</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
------------	-----------------------------------	----------------	------------------	---------------

Students interested in the Human Services career pathway and particularly those interested in pursuing a degree in secondary education will gain work experience in the elementary classroom. The primary responsibilities of the cadet teacher would be to tutor students individually or in small groups in the subject matter; present information and instructions to the class; assist with make-up-work; help to develop study skills strategies; and assist the mentor teacher in daily classroom activities and projects. Applications and recommendations are to be submitted to the Cooperative Education coordinator for interviews.

Students enrolled in the fall trimester will be expected to complete the entire year. Students may be allowed to begin the second trimester and will be expected to complete the year.

**East Only:** Students will be required to attend a brief seminar before or after-school (coordinator's discretion).

<b>965</b>	<b>Library Assistant</b>	<b>1-3 terms</b>	<b>1-3 credits</b>	<b>10, 11, 12</b>
------------	--------------------------	------------------	--------------------	-------------------

**Prerequisite:** Instructor approval

This is an experiential learning course where 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. A maximum of six credits may be earned.

<b>970</b>	<b>Technology Assistant</b>	<b>1-3 terms</b>	<b>1-3 credits</b>	<b>10, 11, 12</b>
------------	-----------------------------	------------------	--------------------	-------------------

**Prerequisite:** Instructor 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. A maximum of six credits may be earned.

<b>980</b>	<b>Cooperative Education- Occupational</b>	<b>3 terms</b>	<b>1-6 credits</b>	<b>11, 12</b>
------------	--	----------------	--------------------	---------------

Students will receive occupational work experience in a related business course offered to 11<sup>th</sup> and 12<sup>th</sup> grade students. Students may receive one or two hours of release time and credit per trimester depending on the number of hours of work experience. Other courses may be eligible for one hour of co-op per trimester if a direct relationship between work and the class is determined.

Students will work an average of 12 hours per week per hour of release time. The total hours of work and school should not exceed an average of 48 hours per week.

Students must be enrolled in a related course for at least two terms during the year of Co-op. At least one of these terms must be at the beginning of or prior to their co-op experience. Students enrolled in the fall trimester will be expected to complete the entire year. Students may be allowed to begin the second or third trimester and will be expected to complete the year. Coordinator approval needed. Students may repeat this course in consecutive years (for a total of 12 credits).

### Engineering Dual Enrollment Program

Introduction to the engineering profession through a collaborative program designed by the University of Michigan-Flint, Providing 12 college credits that will be recorded on official UM-Flint transcripts.

#### UM-FLINT COURSES:

- EGR 102: Introduction to Engineering (3 cr.)
- CSC 122: Introduction to Programming in the BASIC Language (2 cr.)
- CSC 175: Problem Solving and Programming (4 cr.)
- EGR 165: Computer Aided Design (3 cr.)

Program runs 2<sup>nd</sup> & 3<sup>rd</sup> hour, five days a week. Students must arrange for transportation.

### Medical Careers Acceleration Program

A collaborative program that has been designed by the University of Michigan-Flint and the Lapeer County ISD Education & Technology Center to provide a post secondary foundation in advanced medical professions.

#### UM-FLINT COURSES:

- UNV 100: First-Year Experience: Microbes & Our World
- HCR 201: Introduction to Health Careers
- BIO 328: Genetics
- PHL 168: Philosophy of Bioethics
- BIO 472: Topics in Medical Genetics

Program runs 2<sup>nd</sup> & 3<sup>rd</sup> hour, five days a week. Students must arrange for transportation.

# Course Offerings

## Career and Technical Education

The Lapeer County Educational and Technology Center located in Attica offers 18 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 two class periods in length and grant two credits per term.

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 10<sup>th</sup> grade
- Apply for admission to the Ed-Tech Center in the counseling office during 10<sup>th</sup> or 11<sup>th</sup> grades
- Follow the transportation policy of the home school

Course #	Title	Length	Credit	Grade Level
AS1 – AS2	Agriscience / Horticulture	2 class periods	6	11, 12
AM1 – AM2	Automotive Mechanics	2 class periods	6	11, 12
CR1 – CR2	Collision Repair	2 class periods	6	11, 12
CD1 – CD2	Computer Aided Drafting or Design (CAD)	2 class periods	6	11, 12
CN1 – CN2	Computer Networking	2 class periods	6	11, 12
BT1 – BT2	Construction Technology	2 class periods	6	11, 12
CO2	Cosmetology	2 class periods	6	11, 12
DT1 – DT2	Diesel Technology	2 class periods	6	11, 12
IM1 – IM2	Digital Media Arts	2 class periods	6	11, 12
EC1 – EC2	Early Childhood	2 class periods	6	11, 12
EL1 – EL2	Electronics	2 class periods	6	11, 12
HO1 – HO2	Health Occupations	2 class periods	6	11, 12
PS1 – PS2	Public Safety / Protective Services	2 class periods	6	11, 12

# Course Offerings

## Career and Technical Education

RV1 – RV2	Recreational Vehicle Repair	2 class periods	6	11, 12
REP1-REP2	Residential Electrical, Plumbing and HVAC	2 class periods	6	11, 12
SM1 – SM2	Sales & Marketing	2 class periods	6	11, 12
WM1 – WM2	Welding and Machining Technology	2 class periods	6	11, 12

<b>AS1-AS2</b>	<b>Agriscience/Horticulture</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	---------------------------------	------------------------	------------------	---------------

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)

<b>AM1-AM2</b>	<b>Automotive Mechanics</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	-----------------------------	------------------------	------------------	---------------

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)

<b>CR1-CR2</b>	<b>Collision Repair</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	-------------------------	------------------------	------------------	---------------

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)

<b>CD1-CD2</b>	<b>Computer Aided Drafting (CAD)</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	--------------------------------------	------------------------	------------------	---------------

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)

<b>CN1-CN2</b>	<b>Computer Networking</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	----------------------------	------------------------	------------------	---------------

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)

<b>BT1-BT2</b>	<b>Construction Technology</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	--------------------------------	------------------------	------------------	---------------

Introduction to construction management with focus on residential carpentry and masonry. Possible Certifications: Heavy Equipment Operators License, Builders License (MathR)

<b>CO2</b>	<b>Cosmetology</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11,12</b>
------------	--------------------	------------------------	------------------	--------------

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)

<b>CA1-CA2</b>	<b>Culinary Arts</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	----------------------	------------------------	------------------	---------------

Chef preparation with focus on nutrition, proper cooking techniques, menu planning and safety and sanitation. Possible Certifications: NRA ServSafe Certification (VPA)

# Course Offerings

## Career and Technical Education

<b>DT1-DT2</b>	<b>Diesel Technology</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	--------------------------	------------------------	------------------	---------------

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)

<b>IM1-IM2</b>	<b>Digital Media Arts</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	---------------------------	------------------------	------------------	---------------

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)

<b>EC1-EC2</b>	<b>Early Childhood</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	------------------------	------------------------	------------------	---------------

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<sup>nd</sup> year) (MathR)(VPA)

<b>EL1-EL2</b>	<b>Electronics</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	--------------------	------------------------	------------------	---------------

Introduction to careers in electricity and/or electronics with focus on security systems, digital electronic applications, power supply theory, car audio installation and repair, electronic trouble shooting, repair and assembly. Possible Certifications: MECP – Mobile Electronics Certified Professional (Basic Car Audio), NICET – National Institute for Certification in Engineering Technologies (MathR)

<b>HO1-HO2</b>	<b>Health Occupations</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	---------------------------	------------------------	------------------	---------------

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<sup>nd</sup> year) Enrollment in Health Occupations II is dependent upon selection criteria.

<b>PS1-PS2</b>	<b>Public Safety / Protective Services</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	--	------------------------	------------------	---------------

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)

<b>RV1-RV2</b>	<b>Recreational Vehicle Repair</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	------------------------------------	------------------------	------------------	---------------

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)

# Course Offerings

## Career and Technical Education

---

<b>REP1-REP2</b>	<b>Residential Electrical, Plumbing &amp; HVAC (Construction Technology II)</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
------------------	---	------------------------	------------------	---------------

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)

<b>SM1-SM2</b>	<b>Sales &amp; Marketing</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	------------------------------	------------------------	------------------	---------------

Introduction to marketing, entrepreneurship and building wealth. Possible Certifications: ASK Certification – Assessment of Skills and Knowledge for Business (VPA)(MathR)

<b>WM1-WM2</b>	<b>Welding and Machining Technology</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
----------------	---	----------------------------	------------------	---------------

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)

# Course Index

Art		Grades	Cr
010	Art I	9, 10, 11, 12	2
020	Two Dimensional Art	10, 11, 12	2
021	Drawing	10, 11, 12	1-3
022	Painting	10, 11, 12	1-3
023	Printmaking	10, 11, 12	1
030	Pottery	10, 11, 12	1-3
031	Sculpture	10, 11, 12	1-3
040	Commercial Art	10, 11, 12	2
041	Advanced Commercial Art	10, 11, 12	1
050	Studio Art	11, 12	1-6
052	AP Studio Art	11, 12	3
Business/Computers		Grades	Cr
100	Introduction to Business	West 9-12 East 9-11	2
102	Personal Money Management	9-12	1
115	Accounting I	10, 11, 12	1-2
116	Accounting II	10, 11, 12	1-2
120	Building Wealth	11, 12	1
130	Marketing	10, 11, 12	1-2
135	Entrepreneurship	10, 11, 12	1
137	Sports & Entertainment Marketing	10, 11, 12	1
139	Business Math	12	1
140	Word Processing I	9, 10, 11, 12	1
145	Word Processing II	9, 10, 11, 12	1
150	Computer Apps/Personal	9, 10, 11, 12	1
151	Computer Apps/Desktop Pub	9, 10, 11, 12	1
153	Multimedia Production (East)	9, 10, 11, 12	1
157	Web Authoring/Basic Prog. (East)	10, 11, 12	1
160	Photo Editing	10, 11, 12	1-2
English		Grades	Cr
200	Fundamental English 9	9	2
201	Fundamental English 10	10	2
202	Fundamental English 11	11	2
203	Fundamental English 12	12	2
220	English 9	9	2
221	English 10	10	2
222	English 11	11	2
223	English 12	12	2
232	AP Eng Lang & Composition	11	3
233	AP Eng Lit & Composition	12	3
236	Literacy Skills (East)	9, 10, 11, 12	1-3
240	Speech Communications	9, 10, 11, 12	1
241	Argumentation & Debate*	9, 10, 11, 12	1
243	Drama Literature (West)*	9, 10, 11, 12	1
244	Intro to Contemporary Literature	9, 10	1
245	Contemporary American Literature	11, 12	1-2
250	American Film Study	11, 12	1
252	Creative Writing	9, 10, 11, 12	1
253	Mythology (East)*	9, 10, 11, 12	1
255	Literature of the Holocaust (West)	9, 10, 11, 12	1
		Not offered (2011-2012)	
260	Native American Literature (West)*		
265	Literature of the Middle East *	9, 10, 11, 12	1
* Offered in alternating years			

Industrial Technology		Grades	Cr
400	Woods I	9, 10, 11, 12	2
401	Woods II	10, 11, 12	2
402	Woods III	11, 12	2
403	Woodworking Techniques	9, 10, 11, 12	1
410	Metals I	9, 10, 11, 12	2
411	Metals II	10, 11, 12	2
420	Small Engine Repair	9, 10, 11, 12	1
421	Basic Electricity	9, 10, 11, 12	1
422	Electronics (East)	9, 10, 11, 12	1
430	Drafting I	9, 10, 11, 12	2
431	Adv. Mechanical Drafting	10, 11, 12	2
432	Architectural Drafting	10, 11, 12	2
433	Drafting – Independent Study	11, 12	2
Family and Consumer Science		Grades	Cr
450	Clothing Construction	9, 10, 11, 12	1
451	Clothing Construction II	9, 10, 11, 12	1
455	Foods and Nutrition Education	9, 10, 11, 12	1
457	Foods and Nutrition II	9, 10, 11, 12	1
460	Parenthood Education	9, 10, 11, 12	1
461	Family Living	9, 10, 11, 12	1
470	Consumer Education	9, 10, 11, 12	1
Math		Grades	Cr
500	Algebra I Concepts	9	3
501	Geometry Concepts	10, 11	2
502	Algebra II Concepts	11, 12	2
530	Algebra I	9	3
531	Algebra I	9	2
533	Geometry	9, 10	2
534	Algebra II	10, 11, 12	3
535	Algebra II	10, 11, 12	2
535C	Adv. Topics in Algebra II	10, 11, 12	1
540	Probability/Statistics	11, 12	2
541	Pre-Calculus/Trigonometry	11, 12	2
541C	Adv. Topics in Pre-Cal/Trig	11, 12	1
542	AP Calculus AB	11, 12	3
543	AP Statistics	11, 12	3
545	AP Calculus BC	11, 12	3
550	Statistical Reasoning in Sports	12	2
555	Algebra III with Trig	11, 12	1-2
Music		Grades	Cr
600	Concert Band	9, 10, 11, 12	3
601	Symphony Band	9, 10, 11, 12	3
602	Jazz Band	9, 10, 11, 12	1.5
609	Mixed Chorus	9, 10, 11, 12	3
610	Treble Choir	9, 10, 11, 12	3
611	Concert Choir	9, 10, 11, 12	3
615	Music Theory and History	9, 10, 11, 12	2



# Career Planning

---

## 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?

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

The following pages chart the six career pathways, giving descriptions of career categories, sample careers and recommended high school coursework. Also noted are the levels of post-secondary education and training required for each career with the following designations:

D = High School Diploma

HS = 1-2 years past High School (Associates, 1-2 year technical degree)

UG = Undergraduate Degree (Bachelors)

G = Graduate Degree (Masters, Specialist or Doctorate)

# Career Planning

---

## 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.
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.	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!	Advertising and Public Relations Creative Writing Film Production Foreign Languages Journalism Radio and TV Broadcasting	Journalism Graphic Arts Language Arts Fine Arts Courses (Arts, Drama Music) Architectural Drafting and Design Sculpture Photography	Public Relations Executive <b>UG</b> Dancer <b>D</b> Film Producer <b>HS</b> Fashion Designer <b>UG</b> Journalist <b>UG</b> Radio and TV Broadcaster <b>HS</b>

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

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

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

# 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 <b>G</b> Plumber <b>HS</b> Electrician <b>HS</b> Air Traffic Controller <b>HS</b> Auto Mechanic <b>HS</b> Chemical Engineer <b>UG</b> Draftsman <b>HS</b> Surveyor <b>HS</b> Geographer <b>UG</b>

## 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 <b>HS</b> Oceanographer <b>UG</b> Physicist <b>G</b> Landscape <b>D</b> Marine Biologist <b>G</b> Conservation Agent <b>UG</b> Chemist <b>UG</b> Forester <b>UG</b>

## Six Year Plan (EDP)

Name _____ Year of Graduation _____ Phone _____ Parent(s) Signature _____	<b>Career Pathways</b> ___ Arts/Communication ___ Business/Management ___ Health Sciences ___ Human Services ___ Industrial/Engineering ___ Natural Resources	<b>Post Secondary Education Goal</b> ___ College/University Preparation ___ Community College/Technical Preparation ___ Direct entry into work force Preparation
---	---	---

<b>Grade 7 Year ___/___</b> <table style="width: 100%; text-align: center;"> <tr> <th></th> <th>Fall</th> <th>Winter</th> <th>Spring</th> </tr> <tr> <td>1</td> <td>Eng</td> <td>Eng</td> <td>Eng</td> </tr> <tr> <td>2</td> <td>Math</td> <td>Math</td> <td>Math</td> </tr> <tr> <td>3</td> <td>Science</td> <td>Science</td> <td>Science</td> </tr> <tr> <td>4</td> <td>S Studies</td> <td>S Studies</td> <td>S Studies</td> </tr> <tr> <td>5</td> <td>PE</td> <td>Health</td> <td>Careers &amp; Tech</td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> </tr> </table>		Fall	Winter	Spring	1	Eng	Eng	Eng	2	Math	Math	Math	3	Science	Science	Science	4	S Studies	S Studies	S Studies	5	PE	Health	Careers & Tech	6				7				<b>Grade 8 Year ___/___</b> <table style="width: 100%; text-align: center;"> <tr> <th></th> <th>Fall</th> <th>Winter</th> <th>Spring</th> </tr> <tr> <td>1</td> <td>Eng</td> <td>Eng</td> <td>Eng</td> </tr> <tr> <td>2</td> <td>Math</td> <td>Math</td> <td>Math</td> </tr> <tr> <td>3</td> <td>Science</td> <td>Science</td> <td>Science</td> </tr> <tr> <td>4</td> <td>S Studies</td> <td>S Studies</td> <td>S Studies</td> </tr> <tr> <td>5</td> <td>Careers &amp; Tech</td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> </tr> </table> <p>Career Exploration                  Explore: (top three test areas)                  1. _____ 2. _____                  3. _____</p> <p>CII results: (top three career matches)                  1. _____ 2. _____                  3. _____</p>		Fall	Winter	Spring	1	Eng	Eng	Eng	2	Math	Math	Math	3	Science	Science	Science	4	S Studies	S Studies	S Studies	5	Careers & Tech			6				7				<b>Grade 9 Year ___/___</b> <table style="width: 100%; text-align: center;"> <tr> <th></th> <th>Fall</th> <th>Winter</th> <th>Spring</th> </tr> <tr> <td>1</td> <td>Eng</td> <td>Eng</td> <td>Math</td> </tr> <tr> <td>2</td> <td>Math</td> <td>Phy Sci</td> <td>Phy Sci</td> </tr> <tr> <td>3</td> <td>World Hist</td> <td>World Hist</td> <td>PE</td> </tr> <tr> <td>4</td> <td>Health</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> </tr> </table> <p>Career Explored _____                  Ed-Tech Goal _____                  _____                  Explore Test Results                  _____                  _____</p>		Fall	Winter	Spring	1	Eng	Eng	Math	2	Math	Phy Sci	Phy Sci	3	World Hist	World Hist	PE	4	Health			5			
	Fall	Winter	Spring																																																																																							
1	Eng	Eng	Eng																																																																																							
2	Math	Math	Math																																																																																							
3	Science	Science	Science																																																																																							
4	S Studies	S Studies	S Studies																																																																																							
5	PE	Health	Careers & Tech																																																																																							
6																																																																																										
7																																																																																										
	Fall	Winter	Spring																																																																																							
1	Eng	Eng	Eng																																																																																							
2	Math	Math	Math																																																																																							
3	Science	Science	Science																																																																																							
4	S Studies	S Studies	S Studies																																																																																							
5	Careers & Tech																																																																																									
6																																																																																										
7																																																																																										
	Fall	Winter	Spring																																																																																							
1	Eng	Eng	Math																																																																																							
2	Math	Phy Sci	Phy Sci																																																																																							
3	World Hist	World Hist	PE																																																																																							
4	Health																																																																																									
5																																																																																										

<b>Grade 10 Year ___/___</b> <table style="width: 100%; text-align: center;"> <tr> <th></th> <th>Fall</th> <th>Winter</th> <th>Spring</th> </tr> <tr> <td>1</td> <td>Eng</td> <td>Eng</td> <td>Math</td> </tr> <tr> <td>2</td> <td>Math</td> <td>Biology</td> <td>Biology</td> </tr> <tr> <td>3</td> <td>Civics</td> <td>Economics</td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> </tr> </table> <p>PLAN Test                  _____</p> <p>Career Explored _____</p> <p>Work Experience/Community Service                  _____                  _____</p>		Fall	Winter	Spring	1	Eng	Eng	Math	2	Math	Biology	Biology	3	Civics	Economics		4				5				<b>Grade 11 Year ___/___</b> <table style="width: 100%; text-align: center;"> <tr> <th></th> <th>Fall</th> <th>Winter</th> <th>Spring</th> </tr> <tr> <td>1</td> <td>Eng</td> <td>Eng</td> <td>US Hist</td> </tr> <tr> <td>2</td> <td>US Hist</td> <td>Math</td> <td>Math</td> </tr> <tr> <td>3</td> <td>Science</td> <td>Science</td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> </tr> </table> <p>Resume completed? yes _____ no _____</p> <p>Work Experience/Community Service                  _____                  _____</p> <p>ACT/MME Scores _____</p>		Fall	Winter	Spring	1	Eng	Eng	US Hist	2	US Hist	Math	Math	3	Science	Science		4				5				<b>Grade 12 Year ___/___</b> <table style="width: 100%; text-align: center;"> <tr> <th></th> <th>Fall</th> <th>Winter</th> <th>Spring</th> </tr> <tr> <td>1</td> <td>Eng</td> <td>Eng</td> <td>Math</td> </tr> <tr> <td>2</td> <td>Math</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> </tr> </table>		Fall	Winter	Spring	1	Eng	Eng	Math	2	Math			3				4				5			
	Fall	Winter	Spring																																																																							
1	Eng	Eng	Math																																																																							
2	Math	Biology	Biology																																																																							
3	Civics	Economics																																																																								
4																																																																										
5																																																																										
	Fall	Winter	Spring																																																																							
1	Eng	Eng	US Hist																																																																							
2	US Hist	Math	Math																																																																							
3	Science	Science																																																																								
4																																																																										
5																																																																										
	Fall	Winter	Spring																																																																							
1	Eng	Eng	Math																																																																							
2	Math																																																																									
3																																																																										
4																																																																										
5																																																																										

<b>Post-Secondary Planning Year ___/___</b> Occupational Goal _____ Training Institute _____ Major _____ Minor _____
--