

**2009-2010**

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# **Course Offering Catalog**



**Lapeer East  
High School**



**Lapeer West  
High School**



**Lapeer Community Schools**

**“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 2007

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:

- 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 the student attain his/her 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.

Kelly Paige  
Lapeer East Principal

TimothyZeeman  
Lapeer West Acting Principal

### **Administrative and Counseling Staff**

#### **Lapeer East High School – 667-2418, counseling extension 4**

Sharon Miller ..... Assistant Principal  
Mike Hobolth ..... Assistant Principal  
Jack Lindell..... Assistant Principal / Athletic Director  
Dennis Warner ..... Counselor A-L (10), A-G & T-Z (11/12)  
Susan Wilmers ..... Counselor M-Z (10), H-S (11/12)  
Jeff Lorenz..... Counselor A-L (8/9)  
Jan Ciarmella ..... Counselor M-Z (8/9)

#### **Lapeer West High School – 667-2423, counseling extension 4**

Dean Rothgeb ..... Assistant Principal  
Mary Haslinger ..... Assistant Principal / Acting Athletic Director  
Julie Pecore/Dave Kirkpatrick..... Counselor A – D  
Brad Walker..... Counselor E – K  
Dave Webster..... Counselor L – Ro  
Karol Settergren ..... Counselor Ru – Z

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# Registration Information

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1. Before entering high school, students should choose a career pathway and a post secondary education goal (See section “Career Planning” on pages 11 & 66 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 77) 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 14). 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. Courses described in this booklet are offered based upon sufficient student demand and teacher availability determined by administration.
7. 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 9).
8. Students interested in special programs including academic exceptions, dual enrollment, virtual high school, and independent study should contact their counselor.
9. Students should select their classes carefully. They are expected to remain in their classes until completion. An open period of drop and add will occur at the beginning of each term.

# Graduation Requirements

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In the spring of 2006, Governor Jennifer Granholm signed into law 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. The following chart compares the current graduation requirements (required for graduating classes of 2009-2010) to the new requirements for the class of 2011. These new requirements apply to all students in public schools.

In order to assist our students and staff, Lapeer Community Schools has decided to adjust the current structure for our secondary program. In 2008-2009, we will be moving to a trimester scheduling system. This system provides two significant advantages to our students:

- 1) Opportunities for immediate remediation within the traditional school day
- 2) Greater opportunities for students to participate in elective courses

More details regarding this can be found at [www.lapeerschools.org](http://www.lapeerschools.org).

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 will be increasing with the transition to a trimester schedule in the fall of 2008. The chart below indicates the required number of credits for graduation for each class. One credit will be awarded for the successful completion of a term (07-08) or trimester (08-09 and beyond).

Graduating Class	Credits Required for Graduation	Total Credits Possible
2009	48	51
2010	51	54
2011	54	57
2012 +	57	60

# Graduation Requirements

## Departmental Requirements

Students must fulfill all department requirements listed below for graduation.

	Class of 2009 and 2010	Class of 2011 and beyond
English	(8) credits	(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	(6) credits	* (8) credits must include the following: <input type="checkbox"/> (2) Algebra I <input type="checkbox"/> (2) Geometry <input type="checkbox"/> (2) Algebra II *(2) math credits must be earned during the senior year.
Science	(4) credits must include: <input type="checkbox"/> (2) Physical Science <input type="checkbox"/> (2) Life 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) US History <input type="checkbox"/> (2) American Democratic Institutions (ADI)	(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	(1) credit Physical Education (PE) (1) credit Health
	Foreign Language, Fine/Performing Arts, Vocational/ Practical Arts (2) credits in any combination (courses may be selected in art, business, foreign languages, life management, industrial arts, music, or vocational subjects)	Visual, Performing, Applied Arts (2) credits
Online Learning Experience		<i>This experience will be required for all students and will be provided in accordance with PA 123 &amp; PA 124.</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
Government/Economics	Civics/Economics, ADI
Physical Education	Lifetime Fitness
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

# Academic Policies

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## **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) after-school classes during the school year, and/or (b) summer-school classes. **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 (1-8 credits) A student may enroll in one or two classes after school each term. Sign up through the counseling office.
- b. Summer School (1-6 credits) A student may enroll in either one or two subjects during each of the three summers between his/her freshman and senior years.
- c. 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.
- d. Any exceptions or variation to the above will be addressed through the Academic Exceptions Committee.

## **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, Student Clubs Handbook, including athletics, clubs and after-school activities.

## **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.

# Academic Policies, cont.

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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 and letter grades 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.

### **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 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.

# Academic Policies, cont.

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## 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 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.

# Michigan Merit Exam (MME) and Merit Award

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Beginning with the graduating class of 2008, the Michigan Merit Exam (MME) has replaced the MEAP High School Test. Participation in the MME is a requirement for graduation.

The Michigan Merit Exam will incorporate students' ACT scores with additional State of Michigan skill evaluations to determine eligibility for the Merit Scholarship Award. All students will take the tests in the spring 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. (There will be one retake opportunity in the spring of their senior year.) Students that achieve the required score on the tests will receive the Merit Award and will be able to waive their last term senior final exam in any class in which they tested proficient.

Students who received scores on all parts of the MME with 1's and 2's will receive the Michigan Promise Scholarship in the following increments:
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Year 1	\$1,000.00
Beginning of year 2	\$1,000.00
End of year 2	\$2,000.00

Students who have not received all 1's and 2's will still receive the Michigan Promise Scholarship in the following increments:
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\$4,000.00 at completion of year 2, providing they maintain a 2.5 GPA
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# Academic Exceptions

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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.

## **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 and are due May 1. Tests are administered during the second week of August. Material and books are available at the conclusion of the current school year from the Department of Instruction.

## **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.

## **VIRTUAL HIGH SCHOOL**

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 Eligibility

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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.ncaaclearinghouse.org](http://www.ncaaclearinghouse.org)*

*\*New guidelines are in place for the class of 2008.*

# Career Planning

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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 69-76 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

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*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, advance 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

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**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 indicated and are noted in parenthesis at the end of the course description. AP courses are noted in the course title. NCAA approved courses are noted in parenthesis following course description.

# Course Offerings

## Art Department

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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 term	1	10, 11, 12
022	Painting	1 term	1	10, 11, 12
023	Printmaking	1 term	1	10, 11, 12
030	Pottery	1-3 terms	1-3	10, 11, 12
031	Sculpture	1 term	1	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	1-3 terms	1-3	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>
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Successful completion of this course 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.

<b>020</b>	<b>Two-Dimensional Art</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
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**Prerequisites:** 010

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 for serious art students who should take this class to begin developing portfolio work. All art portfolios require 2-dimensional pieces of work.

<b>021</b>	<b>Drawing</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
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**Prerequisite:** 010

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.

<b>022</b>	<b>Painting</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
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**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.

<b>023</b>	<b>Printmaking</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
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**Prerequisite:** 010, 020

This class is a study of two-dimensional printmaking techniques. These may include: lino-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.

<b>030</b>	<b>Pottery</b>	<b>1 term</b>	<b>*1 credit</b>	<b>10, 11, 12</b>
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**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.

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

<b>031</b>	<b>Sculpture</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
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**Prerequisites:** 010

This is a study of three-dimensional art media. Additive, subtractive and modeled methods of construction using a variety of media will be utilized.

# Course Offerings

## Art Department

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

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

<b>050</b>	<b>Studio Art</b>	<b>1 - 3 terms</b>	<b>1-3 credits</b>	<b>11, 12</b>
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**Prerequisites:** 010, 020 and recommendation of instructor after having 2 years of Art with an A or B

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. (This course may be taken up to 3 terms for Art credit.)

<b>052</b>	<b>AP Studio Art</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
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**Prerequisite:** Recommendation of Instructor

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 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.

# Course Offerings Business/Computer Department

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Course #	Title	Length	Credit	Grade Level
100	Introduction to Business- The American Way	1 term	1	9, 10, 11- East 9, 10, 11, 12- West
101	Introduction to Business- Marketing Goods and Services	1 term	1	9, 10, 11- East 9, 10, 11, 12- West
102	Introduction to Business- Personal Money Management	1 term	1	9, 10, 11- East 9, 10, 11, 12- West
115	Accounting I - Sole Proprietorship	1 term	1	10, 11, 12
116	Accounting II - Partnership	1 term	1	10, 11, 12
117	Accounting III - Corporation	1 term	1	10, 11, 12
118	Accounting IV – Departmentalized	1 term	1	10, 11, 12
120	Building Wealth- An Adventure in Investing for your future	1 term	1	11, 12
122	Business and Personal Law	1 term	1	11, 12
125	Economics	1 term	1	11, 12
130	Introduction to Marketing	1 term	1	10, 11, 12
131	Marketing Functions	1 term	1	10, 11, 12
135	Entrepreneurship – Owning your own business	1 term	1	10, 11, 12
137	Sports and Entertainment Marketing	1 term	1	10, 11, 12
140	Keyboarding	1 term	1	9, 10, 11, 12
145	Word Processing	1 term	1	9, 10, 11, 12
150	Computer Applications for Personal Use	1 term	1	9, 10, 11, 12
151	Computer Applications – Desktop Publishing	1 term	1	9, 10, 11, 12
153	Computer Applications for Information Presentation	1 term	1	9, 10, 11, 12
154	Web Authoring	1 term	1	10, 11, 12
155	Basic Programming	1 term	1	10, 11, 12

# Course Offerings Business/Computer Department

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<b>100</b>	<b>Introduction to Business-The American Way</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11- East 9, 10, 11, 12- West</b>
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This class is designed to present an exciting investigation of the American business and economic systems. Students will have an opportunity to study how and why the American free enterprise system works so well and how it contributes to our way of life. Students will also learn about the dynamic relationship between consumers, businesses and the government. This study will help students develop an understanding that will assist them in making intelligent marketplace decisions as consumers, workers and citizens. Students will also investigate other systems that operate in the world and how these systems affect our lives.

<b>101</b>	<b>Introduction to Business-Marketing Goods and Services</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11- East 9, 10, 11, 12- West</b>
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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>Introduction to Business-Personal Money Management</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11- East 9, 10, 11, 12- West</b>
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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.

<b>115</b>	<b>Accounting I - Sole Proprietorship</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12 (grade 9 with instructor approval)</b>
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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.

<b>116</b>	<b>Accounting II - Partnership</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
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**Prerequisite:** 115

This class is a continuation of Accounting for a Sole Proprietor. 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.

<b>117</b>	<b>Accounting III - Corporation</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
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**Prerequisite:** 116

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.

# Course Offerings Business/Computer Department

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<b>118</b>	<b>Accounting IV - Departmentalized</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
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**Prerequisite:** 117

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.

<b>120</b>	<b>Building Wealth- An Adventure in Investing for Your Future</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12</b>
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Building Wealth is a course designed for students who recognize the importance of preparing for lifetime personal economic independence, stability, and security. This class focuses on direct investment in the stock market set against the backdrop of a broad discussion of investment opportunities. Students should develop enough basic investment knowledge to understand the need for diversified investments, the value of investing regularly and for the long run, and the importance of beginning to invest at an early age.

<b>122</b>	<b>Business and Personal Law</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12</b>
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This class is designed to help students understand the legal framework that regulates our business and personal affairs. Topics of study include civil, criminal, and procedural law, aspects of law enforcement and the judicial system, contracts, and the rights and responsibilities of citizens, consumers, and businesses. Students interested in business or legal careers will find this class invaluable. Numerous members of the legal community will guest speak.

<b>125</b>	<b>Economics</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12</b>
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Economics is the study of how a society produces and makes available goods and services necessary to meet the needs and wants of its people. Students will develop a base of understanding that will assist them in making intelligent economic decisions as consumers, workers, and citizens. Students will study current economic events and play the Internet version of the Stock Market Game (SMG). (Will be offered 2008-09 at East, offered every year at West).

<b>130</b>	<b>Introduction to Marketing</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
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This introductory study is designed to develop insights and understanding of the basic marketing foundations on which the American business system is built. Our study begins with an overview of the environment in which the market economy exists, the participants involved, and the opportunities we enjoy with our knowledge of these concepts. Students will study the roles and responsibilities of the consumers, businesses, and government in our market system and how we participate in the global economy. Students will have the opportunity to participate in DECA, a student marketing leadership organization.

<b>131</b>	<b>Marketing Functions</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
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**Prerequisite-** 130

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. Again, students will have the opportunity to participate in DECA, a student marketing leadership organization.

# Course Offerings Business/Computer Department

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<b>135</b>	<b>Entrepreneurship – Owning your own business</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
<p>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. Students will participate in DECA, a student marketing leadership organization.</p>				
<b>137</b>	<b>Sports and Entertainment Marketing</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
<p>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. Students will participate in DECA, a student marketing leadership organization.</p>				
<b>140</b>	<b>Keyboarding</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
<p>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. (Not open to students who have taken 145 Word Processing.)</p>				
<b>145</b>	<b>Word Processing</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
<p><b>Prerequisite:</b> 140 or 7<sup>th</sup> grade Keyboarding 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.</p>				
<b>150</b>	<b>Computer Applications for Personal Use</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
<p>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 2000 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.</p>				
<b>151</b>	<b>Computer Applications - Desktop Publishing</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
<p>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 2000 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.</p>				

# Course Offerings Business/Computer Department

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<b>153</b>	<b>Computer Applications for Information Presentation</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
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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 2000 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.

<b>154</b>	<b>Web Authoring</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
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**Prerequisites:** 150 (B- or better in Computer Applications I), or teacher approval.

This course will expose students to the creation of web pages, and the maintenance of the high school website. Web authoring software will be used to create pages that contain graphics, sound, and JavaScript. Discussion topics include good page design, and website organization and maintenance.

<b>155</b>	<b>Basic Programming</b>	<b>1 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
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**Prerequisites:** A grade of B or better in Algebra I, or teacher approval.

This class is a beginning course in programming in Visual Basic language. Good program structure and problem solving will be stressed. Topics include using data, attractive output, interactive programs, graphics, loops, and sorting. Provisions are made on an individual basis for advance students.

# Course Offerings

## English Department

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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
240	Speech Communications *	1 term	1	9, 10, 11, 12
241	Argumentation & Debate **	(not offered 2008-2009)		
243	Drama Literature **	(not offered 2008-2009)		
245	Contemporary American Literature	1-3 terms	1-3	11, 12
250	American Film Study	1 term	1	11, 12 (East only)
252	Creative Writing	1 term	1	9, 10, 11, 12
253	Mythology *	1 term	1	9, 10, 11, 12 (West only)
255	Literature of the Holocaust **	(not offered 2008-2009)		
260	Native American Literature *	1 term	1	9, 10, 11, 12 (West only)
265	Literature of the Middle East **	(not offered 2008-2009)		

\* Offered in alternating years beginning 2008-09

\*\*Offered in alternating years beginning 2009-10

# Course Offerings

## English Department

<b>200</b>	<b>Fundamental English 9</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9</b>
<p><b>200A</b> This is a remedial 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.</p> <p><b>200B</b> This is a remedial 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.</p>				
<b>201</b>	<b>Fundamental English 10</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10</b>
<p><b>201A</b> This is a remedial 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 and focuses on human rights in our world. Students will write several essays including a research paper. Requires counselor/department approval.</p> <p><b>201B</b> This is a remedial 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.</p>				
<b>202</b>	<b>Fundamental English 11</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11</b>
<p><b>202A</b> This is a remedial 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.</p> <p><b>202B</b> This is a remedial 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.</p>				
<b>203</b>	<b>Fundamental English 12</b>	<b>2 terms</b>	<b>2 credits</b>	<b>12</b>
<p><b>203A</b> This is a remedial 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 &amp; 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.</p> <p><b>203B</b> This is a remedial 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 &amp; 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.</p>				

# Course Offerings

## English Department

<b>220</b>	<b>English 9</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9</b>
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**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>
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**221A** This course is designed with a focus on Critical Response and Stance. This sequence provides an excellent foundation for post-secondary education and career pursuits. This term emphasizes non-fiction and satire and focuses on human rights in our world. Students will write several essays some of which include research components. (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 and career pursuits. This term emphasizes dramatic literature and focuses on responding to critical issues in society. Students will write several essays. (NCAA)

<b>222</b>	<b>English 11</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11</b>
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**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 and career pursuits. 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 and career pursuits. This term focuses upon Transformational Thinking and emphasizes various American literature themes, genre, drama, composition, persuasion and test readiness. (NCAA)

<b>223</b>	<b>English 12</b>	<b>2 terms</b>	<b>2 credits</b>	<b>12</b>
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**223A** This course is designed with a focus on Leadership. This sequence provides an excellent foundation for post-secondary education and career pursuits. 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 and career pursuits. This term emphasizes British & World literature including *Frankenstein*, *The Stranger*, and *The Five People You Meet in Heaven*. Students in this course will complete a research paper that shows evidence of leadership skills in taking social action on an issue.. (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>
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This course is designed for students who excel in language arts and plan to take the Advanced Placement test. It includes a College Board approved curriculum in conjunction with a focus on Transformational Thinking. This sequence provides an excellent foundation for post-secondary education and career pursuits.

**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 simulation 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. A persuasive/research paper will be the culminating project for this class. (NCAA).

<b>233</b>	<b>AP English Literature &amp; Composition</b>	<b>3 terms</b>	<b>3 credits</b>	<b>12</b>
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This course is designed for students who excel in language arts and plan to take the Advanced Placement test. 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.

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

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

**233C** Term C will emphasize test preparation and the culminating senior research project and presentation. (NCCA)

<b>235</b>	<b>Literacy Skills</b>	<b>1- 3 terms</b>	<b>*1-3 credits</b>	<b>9, 10, 11, 12</b>
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In this elective, students will work on reading and writing strategies, vocabulary development, informational textual 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 may be repeated for credit.

<b>240</b>	<b>Speech Communications</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
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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). This course will not be offered in 2009-2010.

<b>241</b>	<b>Argumentation &amp; Debate</b>	<b>(not offered 2008-2009)</b>		
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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 will be offered in 2009-2010.

# Course Offerings

## English Department

<b>243</b>	<b>Drama Literature</b>	<b>(not offered 2008-2009)</b>		
<p>This course allows students to study the different types of playwrights and their plays. Students will learn this genre' of literature through the study of the great classical, contemporary and musical plays of history. (This course does not fulfill English graduation requirement.) (NCAA) This course will be offered in 2009-2010.</p>				
<b>245</b>	<b>Contemporary American Literature</b>	<b>1 - 3 terms</b>	<b>1 - 3 credits</b>	<b>11, 12</b>
<p>This course is for students who enjoy reading as well as discussing and writing about literature. Students will study in detail the period of American literature from 1950 to the present. The student will read a wide variety of short stories, novels, drama and non-fiction. This class is open to juniors and seniors. This counts as an elective credit, not an English credit. (NCAA)</p>				
<b>250</b>	<b>American Film Study</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12 (East only)</b>
<p>This 12 week elective is open to 11<sup>th</sup> and 12<sup>th</sup> graders who want to study American film, its history, development, and effects upon our society. The course involves viewing, researching, and writing about a variety of film genre and related topics. Computer internet access and skills are required to fulfill a discussion board requirement as well. Out of class writing, viewing, and discussion is expected. This course is not currently available to be taken more than once.</p>				
<b>252</b>	<b>Creative Writing</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
<p>This course will encourage students to develop creative approaches to writing. While the class includes reading, there is a heavy emphasis on writing. Students will read one or two selections from a specific genre, and then create their own works from the same genre. The genres explored include poetry and short story. Students will be encouraged to publish their writing.</p>				
<b>253</b>	<b>Mythology</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12 (West only)</b>
<p>This course will delve deeper 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 write some of their own. This course will not be offered in 2009-2010.</p>				
<b>255</b>	<b>Literature of the Holocaust</b>	<b>(not offered 2008-2009)</b>		
<p>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. This course will be offered in 2009-2010.</p>				
<b>260</b>	<b>Native American Literature</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12 (West only)</b>
<p>Native American—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. This course will not be offered in 2009-2010</p>				
<b>265</b>	<b>Literature of the Middle East</b>	<b>(not offered 2008-2009)</b>		
<p>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. This course will be offered in 2009-2010.</p>				

# Course Offerings

## Foreign Language

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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 foreign 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.

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<b>Course #</b>	<b>Title</b>	<b>Length</b>	<b>Credit</b>	<b>Grade Level</b>
300	French I	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
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
380	Humanities	2 terms	2	10, 11, 12

# Course Offerings

## Foreign Language

<b>300</b>	<b>French I</b>	<b>1 or 2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
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**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 299 at Zemmer.

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>
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**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>
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**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>
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**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

## Foreign Language

<b>304</b>	<b>AP French Language</b>	<b>3 terms</b>	<b>3 credits</b>	<b>12</b>
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**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>310</b>	<b>Spanish I</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
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**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

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)

<b>311</b>	<b>Spanish II</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
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**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>
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**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 counties and peoples. Class may be conducted in French. (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 counties and peoples. Class may be conducted in Spanish. (NCAA)

# Course Offerings

## Foreign Language

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

<b>314</b>	<b>AP Spanish Language</b>	<b>3 terms</b>	<b>3 credits</b>	<b>12</b>
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**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>380</b>	<b>Humanities</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
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Humanities is the study of various cultures, past and present. Aspects include cultural customs, music, art, family life, and how a culture's language identifies its literature, dance and theatre. Students will learn to compare our culture with other cultures to better understand all of Humanity.

# Course Offerings

## Industrial Technology Dept

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<b>Course #</b>	<b>Title</b>	<b>Length</b>	<b>Credit</b>	<b>Grade Level</b>
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)
423	Robotics	1 term	1	9, 10, 11, 12 (West 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>
<p>A basic woodworking course with emphasis on hand tool use and care. Some power woodworking machinery is covered. Emphasis on use, care and safety. <i>Students will be responsible for the cost of project materials.</i></p>				
<b>401</b>	<b>Woods II</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
<p><b>Prerequisite:</b> 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. <i>Students will be responsible for the cost of project materials.</i></p>				
<b>402</b>	<b>Woods III</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11, 12</b>
<p><b>Prerequisite:</b> 401 and instructor approval The most advanced woodworking course, teaching furniture-making skill and techniques. <i>Students will be responsible for the cost of project materials.</i></p>				
<b>403</b>	<b>Woodworking Techniques</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
<p><b>Prerequisite:</b> 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.</p>				
<b>410</b>	<b>Metals I</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
<p>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. <i>Students will be responsible for the cost of project materials.</i></p>				
<b>411</b>	<b>Metals II</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
<p><b>Prerequisite:</b> 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. <i>Students will be responsible for the cost of project materials.</i></p>				
<b>420</b>	<b>Small Engine Repair</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
<p>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.</p>				
<b>421</b>	<b>Basic Electricity</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
<p>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.</p>				
<b>422</b>	<b>Electronics</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12 (East only)</b>
<p><b>Prerequisite:</b> 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.</p>				

# Course Offerings

## Industrial Technology Dept

<b>423</b>	<b>Robotics</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12 (West only)</b>
<b>Prerequisite:</b> Instructor Approval Required During this course students will work as a team to design, build, test, and enter into competition a robot to F.I.R.S.T. specifications. All areas of business will be covered from raising funds to designing & ordering promotional items. Extra-curricular time may be required. (This course may be taken more than once.)				
<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.				
<b>431</b>	<b>Advanced Mechanical Drafting</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
<b>Prerequisite:</b> 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.				
<b>432</b>	<b>Architectural Drafting</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
<b>Prerequisite:</b> 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.				
<b>433</b>	<b>Drafting- Independent Study</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11, 12</b>
<b>Prerequisite:</b> 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).				

# Course Offerings

## Life Management Dept.

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 Education	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>
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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.

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>
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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

Note: Students are responsible for purchasing their own supplies.

<b>455</b>	<b>Foods and Nutrition Education</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
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Food preparation basics and the nutritional needs of the body will be studied.

<b>460</b>	<b>Parenthood Education</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
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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>
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This course examines the family structure from adolescence through the death of a spouse. Areas of emphasis include communication skills, dating, love, marriage, crises in marriage, plus human sexual development and information related to family planning and life-styles.

<b>470</b>	<b>Consumer Education</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12</b>
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A course related to the economic needs and planning for individuals. Topics such as budgeting, insurance, banking, taxes and financing will be discussed.

# Course Offerings

## Math Department

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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

### Integrated Mathematics

This program is designed for students who want an introduction and understanding of the basic concepts of algebra, geometry, and their related topics.

Course #	Title	Length	Credit	Grade Level
527	Integrated Mathematics III	2 terms	2	11, 12
528	Integrated Math IV	2 terms	2	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	Plane Geometry	2 terms	2	9, 10
535	Algebra II	2 terms	2	10, 11, 12
540	Probability/Statistics	2 terms	2	11, 12
541	Pre-Calculus/Trigonometry	2 terms	2	11, 12
542	AP Calculus AB	3 terms	3	11, 12
543	AP Statistics	3 terms	3	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>
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**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>
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**Prerequisite:** 500 and counselor/departmental approval

**501A** This course contains content in the following areas: constructions, geometric proofs, parallel 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>
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**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.

<b>527</b>	<b>Integrated Mathematics III</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11, 12</b>
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**Prerequisite:** 526

**527A** This course contains content in the following areas: coordinate geometry and quadrilaterals, counting strategies, probability, logic and proof, similar and congruent triangles. (NCAA)

**527B** This course contains content in the following areas: Polynomial and rational functions, coordinates and figures in space, modeling problem situations, exploring and applying functioning. (NCAA)

# Course Offerings

## Math Department

<b>528</b>	<b>Integrated Math IV</b>	<b>2 terms</b>	<b>2 credits</b>	<b>12</b>
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**Prerequisite:** 527

**528A** This course contains content in the following areas: Logical reasoning, problem solving, solving and graphing linear and quadratic equations, and systems of equations and inequalities, polynomial expressions, radical expressions, sequences and series, transformations of graphs. (NCAA)

**528B** This course contains content in the following areas: logical reasoning, problem solving, radical expressions, exponential and logarithmic functions, probability and statistics, trigonometry, and transformations of graphs. (NCAA)

<b>530</b>	<b>Algebra I</b>	<b>3 terms</b>	<b>3 credits</b>	<b>9</b>
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**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, and power functions. (NCAA)

<b>531</b>	<b>Algebra I</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9</b>
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**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, and power functions. (NCAA)

<b>533</b>	<b>Plane Geometry</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10</b>
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**Prerequisites:** 530 or 531

**533A** This course contains content in the following areas: Basic geometric terms, logic, proof, triangle congruency, parallel 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>535</b>	<b>Algebra II</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
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**Prerequisites:** 530 or 531

**535A** A college preparatory course that 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** A college preparatory course that 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)

# Course Offerings

## Math Department

<b>540</b>	<b>Probability/Statistics</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11, 12</b>
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**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>
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**Prerequisite:** 535

**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>542</b>	<b>AP Calculus AB</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
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**Prerequisite:** 541

**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)

**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>
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**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 scatterplots, correlation and least squares regression lines. Students will model nonlinear relationships, interpret correlation and regression, and study relations in categorical data. (NCAA)

### AP Statistics, cont.

**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)

# 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>
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**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.

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

<b>602</b>	<b>Jazz Band</b>	<b>3 terms</b>	<b>1.5 credits</b>	<b>9, 10, 11, 12</b>
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**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 for the 2008-2009 school.**

# 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>
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**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.

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

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

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

# Course Offerings

## Physical Education/ Health Dept.

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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 term	1	10, 11, 12
670	Physical Conditioning	1 term	1	10, 11, 12
671	Advanced Physical Conditioning	1 term	1	10, 11, 12

\*Students in the graduating class of 2011 are allowed to complete their Physical Education requirement any year prior to graduation.

# Course Offerings Physical Education/ Health Dept.

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

<b>651</b>	<b>Health</b>	<b>1 term</b>	<b>1 credit</b>	<b>9</b>
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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>
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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 term</b>	<b>*1 credit</b>	<b>10, 11, 12</b>
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**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, 671 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 term</b>	<b>1 credit</b>	<b>10, 11, 12</b>
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**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>671</b>	<b>Advanced Physical Conditioning</b>	<b>1 term</b>	<b>*1 credit</b>	<b>10, 11, 12</b>
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**Prerequisite:** 650 with teacher recommendation

This class would provide a more challenging opportunity for students who are serious about reaching a higher level of fitness. This goal would be accomplished by utilizing the Bigger, Faster, Stronger curriculum, which provides a higher standard for fitness testing in strength, agility, flexibility and cardiovascular performance. A prerequisite for this class would be 650 along with an admission recommendation form signed by a teacher in the Physical Education Department. This course cannot be taken concurrently with 650, 660 or 670. **\*This course may be repeated for credit.**

# Course Offerings

## Science Department

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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	10
721	Biology II	2 terms	2	11, 12
723	General Science Skills	1 term	1	9, 10 (West only)
727	Forensic Chemistry	2 terms	2	11, 12 (East only)
730	Chemistry I	2 terms	2	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

# 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 term</b>	<b>2 credits</b>	<b>10</b>
<b>702A</b> 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.				
<b>702B</b> 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 or Introduction to Algebra expected. (NCAA approval pending)				
<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 or Introduction to Algebra expected. (NCAA approval pending)				
<b>720</b>	<b>Biology I</b>	<b>2 terms</b>	<b>2 credits</b>	<b>10</b>
<b>720A</b> 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)				
<b>720B</b> 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)				
<b>721</b>	<b>Biology II</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11, 12</b>
<b>Prerequisite:</b> 720 A&B or department approval				
<b>721A</b> A review of meiosis and Mendelian genetics in preparation for fruit fly genetics study. A detailed study of human anatomy and physiology including body orientation, histology and the skeletal system. (NCAA)				
<b>721B</b> A detailed study of human anatomy and physiology including the muscular, nervous, circulatory, digestive and respiratory systems. Specimen dissections required for all body systems. (721B will precede 721A at East High School.) (NCAA)				
<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.				

# Course Offerings

## Science Department

<b>727</b>	<b>Forensic Chemistry</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11,12 (East only)</b>
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**Prerequisite:** 715A

**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.

**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.

<b>730</b>	<b>Chemistry I</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11,12</b>
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**Recommended completion or concurrent enrollment in Algebra I**

**730A** A detailed study of the essential concepts of chemistry including atomic structure, bonding, stoichiometry, 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)

<b>731</b>	<b>AP Chemistry</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
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**Prerequisite:** 730 A&B, and recommended completion or concurrent enrollment in Algebra II

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

**Prerequisite:** 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)

# Course Offerings

## Science Department

<b>735</b>	<b>Conceptual Chemistry</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12 (West only)</b>
<b>Prerequisite:</b> 715A 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>
<b>Recommended completion or concurrent enrollment in pre-calculus</b> <b>740A</b> A detailed study of concepts and problem solving skills involving vectors, kinematics, and gravitational effects. (NCAA)  <b>Recommended completion or concurrent enrollment in pre-calculus</b> <b>740B</b> A detailed study of concepts and problem solving skills involving forces, Newtonian physics, energy transformations and waves. (NCAA)				
<b>741</b>	<b>Advanced Topics in Physics</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12</b>
<b>Prerequisite:</b> 740A & B A detailed study of additional topics in physics including light, sound, electricity and magnetism.				
<b>745</b>	<b>Conceptual Physics</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12</b>
<b>Prerequisites:</b> 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>
<b>Recommended completion or concurrent enrollment in Algebra I</b> A study of the planets, stars and galaxies that make up the universe. (NCAA approval pending)				
<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 approval pending)				
<b>760</b>	<b>Ecology</b>	<b>1 term</b>	<b>1 credit</b>	<b>11,12</b>
<b>Prerequisite:</b> 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.				

# 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 (West only) (East 2009-2010)
877	Criminology	1-2 terms	1-2	11, 12
880	American Wars: Independence to Expansion	1 term	1	9, 10 (East) 11,12 (East & West)
881	American Wars: Civil War to World War	1 term	1	11, 12 (West only) (East 2009-2010)
882	American Wars: 20 <sup>th</sup> Century and Beyond	1 term	1	11, 12 (West only) (East 2009-2010)
885	American Sports History	1 term	1	(Not offered 2008-2009)
890	The American West	1 term	1	9, 10, 11, 12 (East only) (West 2009-2010)
891	The American Jury	1 term	1	9, 10, 11, 12 (East only) (West 2009-2010)
892	Women in America	1 term	1	11, 12

# Course Offerings

## Social Studies Department

<b>820</b>	<b>Fundamental World History</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9</b>
<b>820A</b> This remedial course gives students a chronological overview of World History from prehistory through the Middle Ages required of all ninth grade students. (May be taken as an elective for social studies for grades 10 to 12). Requires counselor/department approval.				
<b>820B</b> This remedial course gives students a chronological overview of World History from the Renaissance 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). Requires counselor/department approval.				
<b>825</b>	<b>World History</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9</b>
<b>825A</b> A chronological overview of World History from prehistory through the Middle Ages required of all ninth grade students (May be taken as an elective for social studies for grades 10 to 12). (NCAA)				
<b>825B</b> A chronological overview of World History from the Renaissance 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				
<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 approval pending)				
<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 approval pending)				
<b>850</b>	<b>Fundamental US History</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11</b>
<b>850A</b> 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.				
<b>850B</b> 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.				

# Course Offerings

## Social Studies Department

<b>851</b>	<b>US History (1877 – Present)</b>	<b>2 terms</b>	<b>2 credits</b>	<b>11</b>
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**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>
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**Prerequisite:** 845 with current social studies teacher recommendation and a persuasive essay writing sample.

**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)

<b>862</b>	<b>AP US Government and Politics</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
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**Prerequisite:** 845 and 851, or 853 with current social studies teacher recommendation and a persuasive essay-writing sample.

**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)

# Course Offerings

## Social Studies Department

<b>869</b>	<b>AP Psychology</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
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**Prerequisite:** Current Social Studies teacher recommendation and a persuasive essay-writing sample.

**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)

<b>870</b>	<b>Psychology</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12</b>
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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. (NCAA)

<b>871</b>	<b>Sociology</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12 (West only) (East 2009-2010)</b>
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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. (NCAA)  
(This course will be offered at East High School in 2009-2010.)

<b>877</b>	<b>Criminology</b>	<b>1-2 terms</b>	<b>1-2 credits</b>	<b>11, 12</b>
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**Students may enroll in either section of Criminology for 1 term**

**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)

# Course Offerings

## Social Studies Department

<b>880</b>	<b>American Wars: Independence to Expansion</b>	<b>1 term</b>	<b>1 credit</b>	<b>9-10 (East) 11-12 (East &amp; West)</b>
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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. (NCAA approval pending)

<b>881</b>	<b>American Wars: Civil War to World War</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12 (West only) (East 2009-2010)</b>
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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. (This course will be offered at East High School in 2009-2010.) (NCAA approval pending)

<b>882</b>	<b>American Wars: 20<sup>th</sup> Century and Beyond</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12 (West only) (East 2009-2010)</b>
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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. (This course will be offered at East High School in 2009-2010.) (NCAA approval pending)

<b>885</b>	<b>American Sports History</b>	<b>*(Not offered 2008-2009)</b>		
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This course will provide students with an opportunity to examine the history of American baseball, basketball, football and hockey, wrestling and boxing. 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 will be offered at East and West High Schools in 2009-2010.)

<b>890</b>	<b>The American West</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12 (East only) (West 2009-2010)</b>
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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.

(This course will be offered at West High School in 2009-2010.)

<b>891</b>	<b>The American Jury</b>	<b>1 term</b>	<b>1 credit</b>	<b>9, 10, 11, 12 (East only) (West 2009-2010)</b>
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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!

(This course will be offered at East High School in 2009-2010.)

# Course Offerings

## Social Studies Department

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<b>892</b>	<b>Women in America</b>	<b>1 term</b>	<b>1 credit</b>	<b>11, 12</b>
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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).

# Course Offerings

## Yearbook

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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>
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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

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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.

<b>Course #</b>	<b>Title</b>	<b>Length</b>	<b>Credit</b>	<b>Grade Level</b>
926	Basic Classroom Academic Support	2 terms	2	9, 10, 11, 12
93009	Basic Classroom High School English	2 terms	2	9, 10, 11, 12
93209	Basic Classroom High School Math	2 terms	2	9, 10, 11, 12
935	Basic Classroom High School Social Studies	2 terms	2	9, 10, 11, 12
938	Basic Classroom High School Science	2 terms	2	9, 10, 11, 12

# Course Offerings

## Special Education Dept

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<b>926</b>	<b>Basic Classroom Academic Support</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
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This class is designed to provide students with assistance and support in regard to classroom assignments, homework, and quizzes/tests. IEP approval

<b>93009</b>	<b>Basic Classroom High School English</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
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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>Basic Classroom High School Math</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
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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>Basic Classroom High School Social Studies</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
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This class is designed to provide students with the basic knowledge of history, geography, and citizenship needed to function in adult life.

**Please note:** 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>Basic Classroom High School Science</b>	<b>2 terms</b>	<b>2 credits</b>	<b>9, 10, 11, 12</b>
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This class is designed to provide students with the basic knowledge of science needed to understand their environment and how their bodies function in order to function in adult life.

**Please note:** 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

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<b>Course #</b>	<b>Title</b>	<b>Length</b>	<b>Credit</b>	<b>Grade Level</b>
950	Guided Academics	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 – 8th	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	1-3	11, 12
981	Cooperative Education - Senior	1-3 terms	1-3	11, 12

# 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>
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**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>
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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>
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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>960</b>	<b>Cadet Teacher – 8th</b>	<b>3 terms</b>	<b>3 credits</b>	<b>11, 12</b>
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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 8<sup>th</sup> grade 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 after-school seminar twice per month with the coordinator.

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

# Course Offerings

## Special Programs

<b>965</b>	<b>Library Assistant</b>	<b>1-3 terms</b>	<b>1-3 credits</b>	<b>10, 11, 12</b>
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**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. A maximum of six credits may be earned.

<b>970</b>	<b>Technology Assistant</b>	<b>1 - 3 terms</b>	<b>2 credits</b>	<b>10, 11, 12</b>
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**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. 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>
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Students will receive occupational work experience in a related business course – Accounting I, II, and III, Marketing I and II, Building Wealth, Entrepreneurship, or Sports and Entertainment Marketing. Students may receive one or two hours of release time and credit per trimester depending on the number of hours of work experience. 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. Applications are to be submitted to the Cooperative Education coordinator at each school for interviews and final approval. In order to receive a passing grade for co-op, the student must pass the related class.

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 with teacher approval.

<b>981</b>	<b>Cooperative Education - Senior</b>	<b>1-3 terms</b>	<b>1-3 credits</b>	<b>11, 12</b>
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Students will receive occupational work experience in a related course, such as Law, Yearbook (Journalism), Drafting, etc. Students will receive one hour of release time and credit per trimester depending on the number of hours of work experience. 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. Applications are to be submitted to the Cooperative Education coordinator at each school for interviews and final approval. In order to receive a passing grade for co-op, the student must pass the related class.

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.

# Course Offerings

## Skilled Trade Courses

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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

<b>Course #</b>	<b>Title</b>	<b>Length</b>	<b>Credit</b>	<b>Grade Level</b>
AS1 – AS2	Agriscience	2 class periods	6	11, 12
AB1 – AB2	Auto Body Repair / Refinishing	2 class periods	6	11, 12
AM1 – AM2	Automotive Mechanics	2 class periods	6	11, 12
BT1 – BT2	Building Trades	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
CO2	Cosmetology	2 class periods	6	11, 12
CA1 – CA2	Culinary Arts	2 class periods	6	11, 12
DT1 – DT2	Diesel Technology	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
IM1 – IM2	Interactive Media	2 class periods	6	11, 12
MC1 – MC2	Mechanical Construction	2 class periods	6	11, 12

# Course Offerings

## Skilled Trade Courses

MT1 – MT2	Metal Technology	2 class periods	6	11, 12
PS1 – PS2	Public Safety / Protective Services	2 class periods	6	11, 12
RV1 – RV2	Recreational Vehicle Repair	2 class periods	6	11, 12
SM1 – SM2	Sales & Marketing	2 class periods	6	11, 12

<b>AS1-AS2</b>	<b>Agriscience</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
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Horticulture is “hands-on” preparation for careers in growing, maintaining, harvesting, processing and marketing plants and animals for food and natural aesthetics. Students will use the greenhouse, state-of-the-art lab, computer modules and retail store and extensive practical experience to prepare for a position in horticulture science, floriculture design and retailing, landscaping installation and maintenance, greenhouse management and retail sales, or animal science related to farming, animal care and pre-veterinary skills. Students will be members in the National FFA Organization, offering leadership, career opportunities and scholarship opportunities. Participation in this preparatory program creates great potential in a wide variety of fulfilling career and income possibilities. (Animal Science – AM: Plant Science - PM)

<b>AB1-AB2</b>	<b>Auto Body Repair / Refinishing</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
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Students will learn the fundamentals of collision related mechanical repair, including ICAR welding procedures. Students will also learn refinishing, replacing and repairing damaged auto body panels. Instruction is based on current technology and involves an extensive amount of hands-on experience to become a certified technician.

<b>AM1-AM2</b>	<b>Automotive Mechanics</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
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Students will learn how to diagnose, service and repair engines, transmissions, brakes, suspension systems and electronic ignition and computerized fuel injection systems using the latest tools, diagnostic equipment and procedures in a “hands-on” service facility. Successful completion may qualify the student to become a certified technician.

<b>BT1-BT2</b>	<b>Building Trades</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
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Students train in Home Building, Carpentry and Masonry, in preparation for apprenticeships, or college, leading to successful careers in the construction industry.

<b>CD1-CD2</b>	<b>Computer Aided Drafting (CAD)</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
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CAD is a technical, hands-on, visual program for students who like drawing (mechanical or sketching), animation, designing, or creating 3D models. The course features 3D modeling programs such as AutoCAD, Inventor, Solid Works, 3D Studio MAX, Revit Architecture and Architectural Desktop. Depending on your interest, the course will prepare you for a career in Industrial or Commercial Design, Movie Animation and or Gaming, Interior Design, Architecture or Engineering to name some major occupational areas. Students are encouraged to take an art class and/or drafting class before attending.

# Course Offerings

## Skilled Trade Courses

<b>CN1-CN2</b>	<b>Computer Networking</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
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Using the Cisco Networking Academy curriculum, students will prepare for an exciting career in Information Technology. Not only will students have access to IT content written by a team of IT education experts, they will also be exposed to a rich learning experience through online media, with engaging activities such as animated simulations, video, and interactive quizzes, along with valuable hands-on lab exercises for real world experience. The program offers preparation in the following courses:

- HP IT Essentials: PC Hardware and Software, sponsored by Hewlett-Packard, presents an in-depth exposure to computer hardware and operations systems and prepares students for CompTIA's A+ certification.
- HP IT Essentials 2: Network Operating Systems, sponsored by Hewlett-Packard, is an introduction to multi-user, multi-tasking network operating systems including Linux, Windows NT, 2000 and XP, which helps prepare students for CompTIA's Server+ certification.
- CCNA Courses 1 through 4 provide students with a basic foundation in networking and prepare them for Cisco Certified Network Associate (CCNA) certification, as well as CompTIA's Network+ certification.

<b>CO2</b>	<b>Cosmetology</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11,12</b>
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Students will train to become licensed in cosmetology or nail technology. This is a two-year program which requires summer hours and working Saturdays. The Nail Technology component can be completed in one term. Cosmetology is offered at an off-campus location and will include applied chemistry, anatomy, patron protection, personal hygiene and salon management. \*Note: Visits must be arranged through home school counseling office. **Nail Kit cost \$370. Cosmetology Kit cost is \$750**

<b>CA1-CA2</b>	<b>Culinary Arts</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
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A broad overview of the hospitality industry, one of the world's largest employers with extensive "hands-on" learning using the kitchen brigade system, National ServSafe Sanitation Certification, and teaches industry standards for Safety and Sanitation. Under close supervision students develop people skills, a sound work ethic and skills needed to make them successful in the hospitality industry. This program best benefits those students who sign on for two years. **Skills USA membership dues \$5.00**

<b>DT1-DT2</b>	<b>Diesel Technology</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
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Students will prepare for high skill, high wage positions in diagnosis, service, repair and maintenance of gasoline and diesel engines, tractors, heavy equipment and hydraulic systems through "hands-on" experience and safety training. Successful completion will assist the student to become a licensed technician.

<b>EC1-EC2</b>	<b>Early Childhood</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
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Students prepare to care for children in private homes, day care centers, pre-schools, early elementary and other child service facilities. Students will be trained in care of children, interacting with children and co-workers, health, safety, growth and development, by participating as staff members and observing activities in a licensed pre-school located within the Early Childhood Program. Second year instruction consists of learning to develop, carry out and evaluate curriculum and field work.

<b>EL1-EL2</b>	<b>Electronics</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
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Students in Electronics will receive instruction designed for those who desire the career field of Electricity and/or Electronics: Troubleshooting/Repair; Car/Home Audio; TV/VCR/Radio Repair; Digital Electronics, computer maintenance and repair and training for college.

# Course Offerings

## Skilled Trade Courses

<b>HO1-HO2</b>	<b>Health Occupations</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
<p>Health Occupations is a two year course of study that may lead to several credentials. The first year will focus on anatomy, physiology, medical terminology and ethics, basic patient skills, CPR and first aid. The first year program will also provide multiple opportunities for the students to explore occupations in the health field. The second year provides various credentialing, independent course of study in a specific occupation, advance studies in medical terminology, anatomy, physiology, first aid/CPR and may provide a worksite experience.</p>				
<b>IM1-IM2</b>	<b>Interactive Media</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
<p>This program offers students the chance to explore many opportunities available in the exciting and changing field of digital media. During the two-year program, students will have an opportunity to explore the many opportunities within Interactive media, including: Graphic Design, Web modeling, Game Design, Instant Messaging, Audio &amp; Video Production, 2-Way Interactive. Students learn communication and teamwork skills by working on larger projects with group members. Students also have their own individual challenges, which are included in the portfolio upon completion of the class. Field trips, job shadowing, guest speakers and business partnerships help bring the workplace to the classroom in this program. Second year students may choose Co-Op, Internship or to work on a “thesis project”, which is collaborated with and approved by the instructor. They will also have opportunities to earn industry-recognized certification in many fields.</p>				
<b>MC1-MC2</b>	<b>Mechanical Construction</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
<p>Students will be given a basic overview of carpentry, plumbing, heating, electrical wiring, air conditioning and sheet metal and sufficient time for specialization in one or more of these trade areas, while preparing for entry into the trade or college. Many of these trades offer opportunities for apprenticeship programs.</p>				
<b>MT1-MT2</b>	<b>Metal Technology</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
<p>Metal Technology introduces students to the “hands-on” real-life aspect of manufacturing and materials, tools, equipment, processes and safety necessary for use in this industry. The student will be introduced to machine tool operation, welding, CNC with MasterCam and may specialize in one of these components. Steel –toe shoes recommended.</p>				
<b>PS1-PS2</b>	<b>Public Safety / Protective Services</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
<p>A program designed for students interested in a career in law enforcement, fire-fighting, EMS, corrections, industrial or corporate security. Students can explore careers in the public safety area through hands-on training, field trips, in-class exercises and job shadowing with local area agencies. This program is a good compliment to the Lapeer County Sheriff’s Department Explorer Program. Students will be certified in CPR and first aid upon successful completion of class. This is a two-year program. Uniform cost \$30.00</p>				
<b>RV1-RV2</b>	<b>Recreational Vehicle Repair</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
<p>Service, repair and maintain two and four-cycle gasoline engines and controls on motorcycles, snowmobiles, outboard motors, chain saws, ATV’s, lawn equipment and personal water craft. In a service school and retail setting, training is provided to prepare students to become licensed in a high wage, high skill position as an RVR Salesperson, mechanic, technician, engineer or show owner.</p>				

# Course Offerings

## Skilled Trade Courses

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<b>SM1-SM2</b>	<b>Sales &amp; Marketing</b>	<b>2 class periods</b>	<b>6 credits</b>	<b>11, 12</b>
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Students will learn how to “move” a product from manufacturer to final consumer, business ownership, sales, market research, advertising, finance, accounting, fashion marketing, sports marketing, ecommerce and many others. Classroom skills are put into practice in the student operated business; Bodega Gift and Bodega Snack Shops and reinforced through field trips. The class visits Zehnders in Frankenmuth and The Palace of Auburn Hills yearly. DECA, an international association of marketing students, has allowed the Sales & Marketing students to participate in activities all over the United States, including New York, Florida, California and Texas. All students become members and are strongly encouraged to participate. DECA offers many scholarships, leadership activities and an opportunity to network with people from industry.

# 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
022	Painting	10, 11, 12	1
023	Printmaking	10, 11, 12	1
030	Pottery	10, 11, 12	1-3
031	Sculpture	10, 11, 12	1
040	Commercial Art	10, 11, 12	2
041	Advanced Commercial Art	10, 11, 12	1
050	Studio Art	11, 12	1-3
052	AP Studio Art	11, 12	3
<b>Business/Computers</b>		<b>Grades</b>	<b>Cr</b>
100	Intro to Bus. – The American Way	West 9-12 East 9-11	1
101	Intro to Bus- Marketing	West 9-12 East 9-11	1
102	Intro to Bus.- Personal Money Mgmt.	West 9-12 East 9-11	1
115	Accounting I - Sole Proprietorship	10, 11, 12	1
116	Accounting II - Partnership	10, 11, 12	1
117	Accounting III - Corporation	10, 11, 12	1
118	Accounting IV – Departmental	10,11, 12	1
120	Building Wealth- Investing	11, 12	1
122	Business and Personal Law	11, 12	1
125	Economics	11, 12	1
130	Introduction to Marketing	10, 11, 12	1
131	Marketing Functions	10, 11, 12	1
135	Entrepreneurship	10, 11, 12	1
137	Sports & Entertainment Marketing	10, 11, 12	1
140	Keyboarding	9, 10, 11, 12	1
145	Word Processing	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	Computer Apps/Presentation	9, 10, 11, 12	1
154	Web Authoring	10, 11, 12	1
155	Basic Programming	10, 11, 12	1
<b>English</b>		<b>Grades</b>	<b>Cr</b>
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
235	Literacy Skills	9, 10, 11, 12	1-3
240	Speech Communications	9, 10, 11, 12	1
245	Cont. American Literature	11, 12	1-3
250	American Film Study (East)	11, 12	1
252	Creative Writing	9, 10, 11, 12	1
253	Mythology (West)	9, 10, 11, 12	1
260	Native American Lit. (West)	9, 10, 11, 12	1

Foreign Language		Grades	Cr
300	French I	9, 10, 11, 12	2
301	French II	9, 10, 11, 12	2
302	French III	10, 11, 12	2
303	French IV	11, 12	2
304	AP French	12	3
310	Spanish I	9, 10, 11, 12	2
311	Spanish II	9, 10, 11, 12	2
312	Spanish III	10, 11, 12	2
313	Spanish IV	11, 12	2
314	AP Spanish	12	3
380	Humanities	10, 11, 12	2
<b>Industrial Technology</b>		<b>Grades</b>	<b>Cr</b>
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
423	Robotics (West)	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
<b>Life Management</b>		<b>Grades</b>	<b>Cr</b>
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
460	Parenthood Education	9, 10, 11, 12	1
461	Family Living	9, 10, 11, 12	1
470	Consumer Education	9, 10, 11, 12	1
<b>Math</b>		<b>Grades</b>	<b>Cr</b>
500	Algebra I Concepts	9	3
501	Geometry Concepts	10, 11	2
502	Algebra II Concepts	11, 12	2
527	Integrated Math III	11, 12	2
528	Integrated IV	12	2
530	Algebra I	9	3
531	Algebra I	9	2
533	Plane Geometry	9, 10	2
535	Algebra II	10, 11, 12	2
540	Probability/Statistics	11,12	2
541	Pre-Calculus/Trigonometry	11,12	2
542	AP Calculus AB	11,12	3
543	AP Statistics	11,12	3
<b>Music</b>		<b>Grades</b>	<b>Cr</b>
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	3

# Course Index cont.

Physical Education		Grades	Cr
650	Physical Education	9	1
651	Health	9	1
652	Lifetime Fitness I	9, 10	1
660	Advanced Physical Education	10, 11, 12	1
670	Physical Conditioning	10, 11, 12	1
671	Adv. Physical Conditioning	10, 11, 12	1
<b>Science</b>		<b>Grades</b>	<b>Cr</b>
700	Fund Phys Science/Chem	9	1
701	Fund Phys Science/Physics	9	1
703	Fundamental Life Science	10	2
715	Phys Science/Chemistry	9	1
716	Phys/Science/Physics	9	1
720	Biology I	10	2
721	Biology II	11, 12	2
723	General Science Skills (West)	9, 10	1
727	Forensic Chemistry (East)	11, 12	2
730	Chemistry I	11, 12	2
731	AP Chemistry	11, 12	3
735	Conceptual Chemistry (West)	11, 12	1
740	Physics	11, 12	2
741	Adv. Topics in Physics	11, 12	1
745	Conceptual Physics	11, 12	1
750	Astronomy (West only)	11, 12	1
755	Meteorology (West only)	11, 12	1
760	Ecology	11, 12	1

Social Studies		Grades	Cr
820	Fundamental World History	9	2
825	World History	9	2
840	Fundamental Civics	10	1
841	Fundamental Economics	10	1
845	Civics	10	1
846	Economics	10	1
850	Fundamental US History	11	2
851	US History (1877 – Present)	11	2
853	AP United States History	11	3
862	AP Government and Politics	11, 12	3
869	AP Psychology	11, 12	3
870	Psychology	11, 12	1
871	Sociology (West only)	11, 12	1
877	Criminology	11, 12	1-2
880	Am Wars: Independence to Expansion	9, 10 (East) 11, 12 (East & West)	1
881	Am Wars: Civil to World War (West only)	11, 12	1
882	Am. Wars: 20 <sup>th</sup> Cent & Beyond (West only)	11, 12	1
890 *	The American West (East only)	9, 10, 11,12	1
891 *	The American Jury (East only)	9, 10, 11, 12	1
892	Women in America	11, 12	1
<b>Yearbook</b>		<b>Grades</b>	<b>Cr</b>
901	Student Publications	9, 10, 11, 12	1-3
<b>Special Programs</b>		<b>Grades</b>	<b>Cr</b>
950	Guided Academics	9, 10, 11, 12	1
952	Strategies for Success	11	1
955	Career Readiness	10,11, 12	1
960	Cadet Teacher – 8th	11,12	3
961	Cadet Teacher - Elementary	11, 12	3
965	Library Assistant	10, 11, 12	1-3
970	Technology Assistant	10, 11, 12	1-3
980	Co-op Ed. – Occupational	11,12	1-3
981	Co-op Ed. - Senior	11, 12	1-3

\*This course will be offered at West in 2009-2010

# Career Pathways

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## What are the 6 Career Paths?

### **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

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## Why is Career Pathways 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, you need to be prepared with a school and employment record that shows high academic achievement, 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.bridges.com](http://www.bridges.com)
- [www.careercruising.com](http://www.careercruising.com)
- [www.lehs.lapeer.org](http://www.lehs.lapeer.org)
- [www.lwhs.lapeer.org](http://www.lwhs.lapeer.org)

# Arts and Communication

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## What is Arts and Communication Pathway?

The Arts and Communications Pathway refers to career fields and programs of study that are related to: Humanities, media arts, literary arts, technical arts, performing arts, and visual arts.

Arts and Communication is a broad field and include programs such as:

Creative Writing	Film Production
Journalism	Radio/Television Production
Music	Advertising
Public Relations	

## How do I know if this Pathway is for me?

People who are successful in Arts and Communications occupations possess some of the following traits:

- Work well with people
- Have artistic and creative abilities
- Enjoy using computers and technology
- Posses the art of persuasion
- Have effective communication skills
- Want to be part of a team
- Take on leadership role on projects
- Have good hand/eye coordination

## Career-Related Electives

9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Life Management	Life Management	Speech Electives	Speech Electives
Foreign Language	Foreign Language	Humanities	Humanities
Business Electives	Business Electives	Business Electives	Business Electives
Music	Music	Computer Applications	Computer Applications
Computer Applications	Computer Applications	Social Studies Electives	Social Studies Electives
Art	Art	Appropriate Ed Tech Prog.	Appropriate Ed Tech Prog.
Soc Studies Electives	Soc Studies Electives	Adv Foreign Language	Adv Foreign Language
		Advanced Art	Advanced Art

## Career Possibilities

### High School plus Training

Actor/Actress  
 Driving Instructor  
 Merchandise Displayer  
 Model  
 Musician and Composer  
 Photographer  
 Sports Professional  
 Telecommunications Analyst

### Community College/ Technical School

Broadcast Technician  
 Commercial Artist  
 Floral Designer  
 Photographer  
 Public Relations Specialist  
 Radio Operator  
 Teacher Aide  
 Telecommunications Analyst

### Four plus Years College/University

Author  
 Elementary School Teacher  
 Geographer  
 Journalist  
 Musician/Composer  
 Podiatrist  
 Sociologist  
 Technical Writer

# Business and Management

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## What is the Business and Management Pathway?

The Business and Management Pathway refers to career fields and programs of study that are related to the business environment.

The Business and Management Pathway includes fields such as:

Sales and Marketing	Finance
Hospitality and Tourism	Economics
Computer Information Services	Advertising
Administration and Management	

## How do I know if this Pathway is for me?

People who are successful in Business and Management occupations possess some of the following traits:

- Work well with people
- Are well organized and able to meet deadlines
- Enjoy using computers and technology
- Can convince others to follow their lead
- Enjoy work that is detailed
- Work well under pressure
- Have effective communication skills
- Want to be part of a team
- Have effective decision-making skills
- Enjoy competition

## Career-Related Electives

9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Intro to Business	Intro to Business	Accounting	Accounting
Life Management	Life Management	Economics	Economics
Computer Applications	Computer Applications	Marketing I	Marketing I
Keyboarding/WP	Keyboarding	Marketing II	Marketing II
Foreign Language	Foreign Language	Speech Electives	Speech Electives
	Accounting	Social Studies Electives	Social Studies Electives
	Marketing I	Appropriate Ed Tech Prog.	Appropriate Ed Tech Prog.
		Sports Mgmt/Entrepren.	Sports Mgmt/Entrepren.

## Career Possibilities

### High School plus Training

Bank Teller  
 Cashier  
 Estimator  
 Insurance Claims Clerk  
 Mail Clerk  
 Payroll Clerk  
 Tax Preparer  
 Travel Agent

**Community College/  
 Technical School**  
 Clerical Supervisor  
 Computer Service Technician  
 Court Reporter  
 Food Service Manager  
 Hotel/Motel Manager  
 Legal Assistant  
 Real Estate Agent  
 Travel Agent

**Four plus Years  
 College/University**  
 Accountant/Auditor  
 City Manager  
 Computer Systems Analyst  
 Financial Analyst  
 Health Administrator  
 Human Resource Manager  
 Political Scientist  
 Retail Sales Manager

# Health and Science

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## What is the Health and Science Pathway?

The Health and Science Pathway refers to career fields and programs of study that are related to the promotion of health, as well as the treatment of injuries, conditions and diseases.

The Health and Science Pathway includes fields such as:

Medicine	Rehabilitation
Dentistry	Fitness
Nursing	Nutrition
Therapy	Hygiene

## How do I know if this Pathway is for me?

People who are successful in Health and Science occupations possess some of the following traits:

- Work well with and enjoy helping people
- Are well organized and keep accurate records
- Work reasonably well under stress and crisis
- Like being given responsibility
- Are willing to learn and use new technology
- Have an interest in how the human body works
- Enjoy and do well in science and math classes
- Like working with their hands
- Understand and follow directions well
- Have effective decision-making skills
- Can follow established procedures

## Career-Related Electives

9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Foreign Language	Foreign Language	Advanced Science	Advanced Science
Health	Adv Foreign Language	Life Management	Life Management
Nutrition Education	Health	Appropriate Ed Tech Prog	Appropriate Ed Tech
Parenthood Ed	Nutrition Education	Speech Electives	Speech Electives
Family Living	Parenthood Education	Sociology	Sociology
	Family Living	Psychology	Psychology

## Career Possibilities

### High School plus Training

Animal Caretaker  
 Dispensing Optician  
 Electrocardiograph Tech  
 Home Health Aide  
 Occupational Therapy  
 Optical Laboratory Tech  
 Pharmacy Tech  
 Veterinary Assistant

### Community College/ Technical School

Dental Assistant  
 Dental Hygienist  
 Dietetic Technician  
 Electrocardiograph Tech  
 Medical Assistant  
 Nuclear Medicine Tech  
 Radiologic Tech  
 Registered Nurse

### Four plus Years College/University

Chiropractor  
 Dentist  
 Dietitian  
 Health Administrator  
 Nurse Anesthetist  
 Optometrist  
 Psychiatrist  
 Veterinarian

# Human Services

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## What is the Human Service Pathway?

The Human Service Pathway refers to career fields and programs of study that are related to economic systems, political systems, and social services and personal services.

The Human Service Pathway includes fields such as:

Education	Child/Family Services
Law and Legal Studies	Mental Health
Law Enforcement	Religion

## How do I know if this Pathway is for me?

People who are successful in Health and Science occupations possess some of the following traits:

- Enjoy helping people
- Work well in groups or teams
- Value the ability to make a difference with their work
- Possess good speaking and presentation skills
- Enjoy learning about the way people behave
- Enjoy speaking out for a cause
- Work reasonably well under pressure
- Enjoy solving problems
- Follow directions well
- Have effective decision-making skills

## Career-Related Electives

9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Foreign Language	Foreign Language	Speech Electives	Speech Electives
Business Electives	Business Electives	Adv Foreign Language	Adv Foreign Language
Parenthood Ed	Parenthood Ed	Appropriate Ed Tech Prog	Appropriate Ed Tech Prog
Family Living	Family Living	Psychology	Psychology
Health	Health	Sociology	Sociology
Nutrition Ed	Nutrition Ed	Business Electives	Business Electives
Computer Applications	Computer Applications	Probability/Statistics	Probability/Statistics

## Career Possibilities

### High School plus Training

Bank Teller  
 Bus Driver  
 Child Care Worker  
 Corrections Officer  
 Fire Fighter  
 Mail Carrier  
 Police Officer/Detective  
 Truck Driver

### Community College/ Technical School

Cosmetologist  
 Fire Fighter  
 Flight Attendant  
 Floral Designer (florist)  
 Police Officer/Detective  
 Police Supervisor  
 Teacher Aide  
 Travel Agent

### Four plus Years College/University

Elementary School Teacher  
 Human Resource Manager  
 Lawyer  
 Private Investigator  
 Psychiatrist  
 Social Worker  
 Pathologist/Audiologist  
 Substance Abuse Counselor

# Engineering/Manufacturing and Industrial Technology

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## What is the Engineering/Manufacturing and Industrial Technology Pathway?

The Engineering and Industrial Pathway refers to career fields and programs of study that are related to technologies necessary to design, develop, install, and maintain physical systems. These include engineering, manufacturing, construction, service, and related technologies.

The Engineering and Industrial Pathway includes fields such as:

Architecture	Robotics	Production and Construction
Drafting	Manufacturing and Technology	Electronics
Engineering	Mechanics and Repair	

## How do I know if this Pathway is for me?

People who are successful in Engineering and Industrial occupations possess some of the following traits:

- Think and Solve problems in a logical manner
- Have good hand/eye coordination
- Enjoy work that is detailed
- Like to take things apart and put them together
- Are good at math and science
- Are curious about the way things work
- Can follow detailed diagrams

## Career-Related Electives

9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Art	Art	Adv. Drafting	Adv. Drafting
Intro to Business	Intro to Business	Appropriate Ed Tech Prog	Appropriate Ed Tech Prog
Drafting	Drafting	Adv. Art	Adv. Art
Computer Applications	Computer Applications	Adv. Industrial Art	Adv. Industrial Art
Metals	Metals	Modular Technology	Modular Technology
Basic Electricity	Basic Electricity	Adv. Science	Adv. Science
Small Engine Repair	Small Engine Repair	Adv. Math	Adv. Math
Woods	Woods	Adv. Computer	Adv. Computer
Industrial Tech	Research & Dev.	Probability/Statistics	Probability/Statistics
Foreign Language	Industrial & Technology	Research & Dev.	Research & Dev.
		Industrial Tech	Industrial Tech
		Economics	Economics

## Career Possibilities

### High School plus Training

Auto Mechanic  
 Cement Mason  
 Civil Engineering Tech  
 Locomotive engineer  
 Office Machine Repair Tech  
 Robot Technician  
 Telephone Installer/Technician  
 Welder

### Community College/ Technical School

Auto Mechanic  
 Broadcast Technician  
 Drafter  
 Flight Engineer  
 Engineering Tech  
 Microcomputer Specialist  
 Printing/Platemaker  
 Truck/Bus Mechanic

### Four plus Years College/University

Aircraft Pilot  
 Civil Engineer  
 Electrical/Electronics Engineer  
 Industrial Engineer  
 Local Area Network (LAN)  
 Marine Engineer/Architect  
 Nuclear Engineer  
 Surveyor

# Natural Resources

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## What is the Natural Resources Pathway?

The Natural Resources Pathway refers to career fields and programs of study that are related to economic systems, political systems, and social services and personal services.

The Natural Resources Pathway includes fields such as :

Agriculture	Forestry
Earth Science	Horticulture
Environmental Science	Wildlife Management
Fisheries Management	

## How do I know if this Pathway is for me?

People who are successful in Natural Resources occupations possess some of the following traits:

- Work well on their own or with a few people
- Like to study things and figure out how they work
- Like discovering how things grow and thrive
- Enjoy working outdoors and in nature
- Are willing to learn and use new technology
- Enjoy and do well in science and math classes
- Like working with their hands
- Enjoy physical activity

## Career-Related Electives

9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Computers	Computers	Adv. Industrial Arts	Adv. Industrial Arts
Industrial Arts Electives	Industrial Arts Electives	Probability/Statistics	Probability/Statistics
Intro to Business	Intro to Business	Adv. Sciences	Adv. Sciences
Foreign Language	Foreign Language	Approp. Ed Tech Prog.	Approp. Ed Tech Prog.
	Adv. Foreign Language	Adv. Math	Adv. Math

## Career Possibilities

### High School plus Training

Conservation Officer  
 Food/Dairy Processing  
 Forestry Technician  
 Groundskeeper  
 Horticultural Nursery Worker  
 Logging Worker  
 Pest Controller  
 Water/Wastewater Plan Operator

### Community College/ Technical School

Farm Supervisor  
 Farmer/Farm Manager  
 Forester/Conservationist  
 Geologist  
 Landscape Architect

### Four plus Years College/University

Agricultural Engineer  
 Astronomer  
 Biochemist  
 Forester/Conservationist  
 Geologist  
 Landscape Architect  
 Meteorologist  
 Physicist

## Six Year Plan (EDP)

Name _____  Year of Graduation _____ Phone _____  <b>Parent(s) Signature</b> _____	<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
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<b>Grade 7 Year ___/___</b>  <table border="1" style="width: 100%; border-collapse: collapse; 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>Health</td> </tr> <tr> <td>5</td> <td>PE</td> <td>Key</td> <td></td> </tr> <tr> <td>6</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	Health	5	PE	Key		6				<b>Grade 8 Year ___/___</b>  <table border="1" style="width: 100%; border-collapse: collapse; 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>Science</td> <td>Science</td> </tr> <tr> <td>3</td> <td>US Hist</td> <td>US Hist</td> <td>Careers</td> </tr> <tr> <td>4</td> <td>Tech Lit</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> </tr> </table> <p style="text-align: center;"><b>Career Exploration</b></p> DAT results: (top three test areas) 1. _____ 2. _____ 3. _____  CII results: (top three career matches) 1. _____ 2. _____ 3. _____		Fall	Winter	Spring	1	Eng	Eng	Math	2	Math	Science	Science	3	US Hist	US Hist	Careers	4	Tech Lit			5				<b>Grade 9 Year ___/___</b>  <table border="1" style="width: 100%; border-collapse: collapse; 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 style="text-align: center;"><b>Career Exploration</b></p> Career Explored _____  Ed-Tech Goal _____  _____		Fall	Winter	Spring	1	Eng	Eng	Math	2	Math	Phy Sci	Phy Sci	3	World Hist	World Hist	PE	4	Health			5			
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<b>Post-Secondary Planning Year ___/___</b> Occupational Goal _____ Training Institute _____ Major _____ Minor _____
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