

# **COURSE OFFERING 2011-2012**



## **INTRODUCTION**

This manual has been prepared to assist parents, students, teachers, and counselors in building the students' educational program. The manual should be studied carefully to ensure total understanding of course offerings and their relationships to the student's total high school program.

In our quest for excellence, the faculty, administration, and Board of Education constantly review course offerings to make changes that reflect the changing needs of the students and to improve the educational processes.

All students must meet requirements for graduation.

This manual should be referred to often. Parents and students are urged to study the course offerings and to consult a counselor or an administrator when questions arise. Questions and suggestions are invited to bring about a better understanding and serve as a basis for a greater degree of cooperation between the home and the school.

## **EQUAL OPPORTUNITY**

All policies and procedures adopted by South Lake Schools are intended to be fair, reasonable, and for the good of the schools and the students. All are intended to comply with federal law and constitutional rights of individuals. Race, religion, sex, national origin, and handicap will not be grounds for denying participation in classes or programs for which a student is otherwise eligible. Complaints of such discrimination must be made in writing to the principal by parents on behalf of their child(ren), or by adult students on their own behalf. The principal will respond to properly filed complaints within ten (10) school days. Complaints that are not settled by the principal may be appealed in writing to Mrs. Tina Jamieson, Curriculum Secretary, 23101 Stadium Blvd, St. Clair Shores, Michigan 48080. Telephone: (586) 435-1640

## **RESPONSIBILITY FOR PROGRAM SELECTION**

### **South Lake High School Responsibility**

Schedule planning is done on a yearly basis. Time is set aside each spring in order to consider with parents and students the matter of scheduling. This is necessary to insure proper scheduling of rooms, materials/facilities, and to insure proper organization from the first day of school in the fall. Effort is made to consider the student's and the parent's desires, needs, and objectives in relation to the school's educational goals when scheduling takes place. It is difficult to change schedules once classes have begun in the fall.

The schedule made out in the spring will be the basic schedule for the entire school year and a new schedule will not be made at the conclusion of the first semester. Single semester courses are offered, but the scheduling of these classes is similarly completed the preceding spring. These facts emphasize the importance of clear, concise decisions made at the time of scheduling. Please take time to consider selections carefully so that the courses are the correct choice, as it is very difficult to make changes once a schedule has been completed.

Student and Parent Responsibility

It is the responsibility of the student and parent to think through the future plans of the student. Once a program is designed, it is the responsibility of the student to carry it through completion.

**PARENTS SHOULD ASSIST IN THE DESIGNING OF THE PROGRAM  
AND APPROVE THE  
SELECTIONS MADE BY THE STUDENT.**

Teacher Responsibility

The teacher's experience with the student enables him/her to identify the student's abilities and achievement within specific courses. It is the teacher's responsibility to work with the student, counselor, and parents.

Counselor Responsibility

The chief responsibility of the counselor is to help the student plan a program that satisfies the graduation requirements of the school. It is the role of the counselor to recommend that the major emphasis in the student's program be one that reflects the student's future plans and aptitudes. If any questions arise regarding the Course Offering Book, please contact:

Mrs. Gayle Merkle	Last names from A-GI and Pr-Sd	(586) 435-1412
Mrs. Whitney Bernstein	Last names from Go-Pq	(586) 435-1414
Mr. Michael Fringer	Last names from Se-Z	(586) 435-1415



**SOUTH LAKE HIGH SCHOOL TESTING PROGRAM**

South Lake High School conducts a comprehensive group-testing program designed to provide basic information on each student in the areas of aptitude, achievement, and vocational interest. Counselors, teachers, and administrators use testing results to assist students in many ways.

Counselors use individual results to guide students and parents in student course selection and in planning overall high school course plans. Tests are also used by counselors to assist individual students with diagnostic counseling in his/her areas of academic weakness.

If a student's academic problems are not readily explainable from the results of group testing, the counselors may recommend the student for Student Study Team (individualized) review. Teachers review group tests to aid in their curriculum planning and to help with individualized instruction. Administrators, in conjunction with the entire staff, review total group results to evaluate and improve the overall instructional program.

<b>TESTING SCHEDULE</b>			
<b>GRADE LEVEL</b>	<b>TEST NAME</b>	<b>DATE GIVEN</b>	<b>RESULTS USED BY</b>
9th	MEAP SOCIAL STUDIES	October	Parents, Counselors, Students and Teachers
9 <sup>th</sup>	EXPLORE	September	Parents, Counselors, Students and Teachers
10th	PLAN	December	Parents, Counselors, Students and Teachers
11th	MICHIGAN MERIT EXAM INCLUDES ACT	March	Parents, Counselors, Students and Teachers
10th and 11th	Preliminary Scholastic Aptitude Test and National Merit Scholarship Qualifying Examination (PSAT)	Late October	Business--for scholarship awards. College--admission and scholarship awards
11th and 12th	American College Testing Program (ACT)	5 times during the year	Colleges--for placement and admission. Counselors--for college admission counseling
11th and 12 <sup>th</sup>	Scholastic Aptitude Test (SAT)	6 times during the year	Colleges--for placement and admission. Counselors--for college admission counseling

## GRADUATION REQUIREMENTS FOR 2011 AND BEYOND

### CREDITS

Students must earn a total of **22.5** credits to graduate with **16.0** of those credits earned in the subject areas listed below.

**ENGLISH**, four (4) credits total need (1) credit each year

**MATHEMATICS**, four (4) credits total. Students must attain math credits in:

Algebra 1 - one (1) credit

Geometry - one (1) credit

Algebra 2 - one (1) credit

Mathematics elective or related course – one (1) additional credit in senior year

**SCIENCE**, three (3) credits total

Biology 1 & 2 – one (1) credit **OR** Accelerated Biology 1 & 2 – one (1) credit

Applied Chemistry - ½ credit and Science Elective -½ credit **OR** General Chemistry 1 & 2 – one (1) credit

Applied Physics 1 & 2 **OR** Physics 1 & 2 – one (1) credit

**SOCIAL STUDIES**, three (3) credits total. Students must attain three credits in:

United States History and Geography - one (1) credit

World History and Geography - one (1) credit

Government - one half (1/2) credit

Economics – one half (1/2) credit

**PHYSICAL EDUCATION**, one (1) credits total

Physical Education – one half (1/2) credit

Health – one half (1/2) credit

**Performing, Visual, or Applied Arts**, one (1) credit

Introductory Art 1 & 2, OR Digital Photography 1 & 2, OR Concert Band 1 & 2, OR Symphony Band 1 & 2, OR Choir 1 & 2, OR Hospitality and Culinary Arts 1A & 1B, OR Marketing 1 & 2, OR Automotive Brakes and Engine A & B, OR Automotive Electronics and Suspension A & B

### ELECTIVES

The remaining six and one half (**6 1/2**) credits are comprised of elective courses chosen by the student in collaboration with his/her counselor and parent/guardian.

### EIGHT SEMESTERS OF ATTENDANCE

Students must attend eight (**8**) semesters of high school to qualify for graduation (the exception would be those students who have a plan for early graduation on file with the principal).

### SERVICE LEARNING HOURS

Students must earn a minimum of twenty (20) Service Learning hours by the end of their senior year to qualify for graduation.

### GRADE POINT AVERAGE

Students must have at least a **1.0** grade point average by the end of their senior year.

**Any waiver of the above requirements may be made only with the approval of the principal. Students who do not graduate at the regular time because of lack of credits will receive their diplomas when they have satisfactorily completed these requirements.**

## FOUR-YEAR EDUCATION DEVELOPMENT PLAN SHEET 2012 and Beyond

This form is intended to assist your planning a four-year course of study. It is the student and parent's responsibility to periodically review and update the progress. Official transcript is issued yearly to assist you in scheduling and planning courses.

GRADE 9			GRADE 10		
DEPARTMENT	COURSE TITLE	CR	DEPARTMENT	COURSE TITLE	CR
English	9 <sup>th</sup> grade English	1	English	10 <sup>th</sup> grade English	1
Social Studies	US History and Global Relations 1 & 2	1	Social Studies	World History and Global Relations 1 & 2	1
Math	Algebra <b>OR</b> Geometry	1	Math	Geometry <b>OR</b> Algebra 2	1
Science	Biology <b>OR</b> Accelerated Biology	1	Science	Applied Chemistry and Elective <b>OR</b> Chemistry	1
Physical Education	Health and PE 2	1	Performing, Visual, or Applied Art	1 Credit Requirement	1
ELECTIVE		1	ELECTIVE		1
ELECTIVE	SEMINAR	.5	ELECTIVE	SEMINAR	.5
<b>GRADE 9</b>	<b>TOTAL CREDITS</b>	<b>6.5</b>	<b>GRADE 10</b>	<b>TOTAL CREDITS</b>	<b>6.5</b>
GRADE 11			GRADE 12		
DEPARTMENT	COURSE TITLE	CR	DEPARTMENT	COURSE TITLE	CR
English	11 <sup>th</sup> grade English	1	English	12 <sup>th</sup> grade English	1
Social Studies	American Government and Economics <b>OR</b> AP Government and Economics	1	Math	4 <sup>th</sup> year Math Requirement	1
Math	Algebra 2 <b>OR</b> 3 <sup>rd</sup> year Math Requirement	1	ELECTIVE		1
Science	Applied Physics <b>OR</b> Physics	1	ELECTIVE		1
ELECTIVE		1	ELECTIVE		1
ELECTIVE		1	ELECTIVE		1
ELECTIVE	Seminar	.5	ELECTIVE	Seminar	.5
<b>GRADE 11</b>	<b>TOTAL CREDITS</b>	<b>6.5</b>	<b>GRADE 12</b>	<b>TOTAL CREDITS</b>	<b>6.5</b>

## **EARLY GRADUATION**

There is a Board of Education policy for early graduation. A plan must be filed and approved by the principal **one year prior** to the anticipated early graduation date.

## **ACCREDITATION**

South Lake High School has been accredited continuously by the North Central Association of Colleges and Secondary Schools since 1947. In addition, South Lake High School has met Federal and Michigan standards for Adequate Yearly Progress (AYP) in every year of the program.

## **CLASSIFICATION OF STUDENTS**

The following are minimum credit standards for grades 9-12 classifications:

<b>TOTAL CREDITS REQUIRED FOR GRADUATION</b>	<b>TOTAL CREDITS NEEDED FOR FRESHMAN STATUS</b>	<b>TOTAL CREDITS NEEDED FOR SOPHOMORE STATUS</b>	<b>TOTAL CREDITS NEEDED FOR JUNIOR STATUS</b>	<b>TOTAL CREDITS NEEDED FOR SENIOR STATUS</b>
<b>22.5</b>	<b>0 – 5.25</b>	<b>5.5</b>	<b>11.0</b>	<b>17.0</b>

## **CREDITS FOR COURSES**

A student may earn up to six and one half (6.5) credits per year. Students will not be allowed to earn credits toward graduation above the maximum of six and one half (6.5) credits through tutored courses, night school, on-line courses, or correspondence school without written authorization from the principal prior to taking the course.

## **CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES**

All students should share in as many experiences as possible. At some time in their high school career the student should experience music, art, industrial arts, technical education, or home economics. In addition, each student should participate in as many extra-curricular activities as possible. The enjoyments of a school dance, the excitement of a football game, or the pleasure of viewing other students' achievements are all rewarding experiences. A truly educated student is one who has tasted all the opportunities offered and is confident that they have chosen the proper path for their life's activities.

## EDUCATION BEYOND HIGH SCHOOL

Any mature high school graduate with a sincere desire to learn and advance may be admitted to colleges, universities, technical schools, or trade vocational schools. Most colleges, universities, and other schools are giving increased attention to the following factors when considering students for admission:

- High school grades (many colleges and universities consider those grades earned in academic subjects only)
- Student rank in class
- Official high school recommendation
- High school aptitude and achievement test scores
- Entrance examination scores
- Teachers' recommendation in special areas
- Participation in extra-curricular activities
- 

Minimum course requirements for college admission frequently include certain sequences in the five academic areas: English, mathematics, science, social studies, and foreign language. Some technical schools require an emphasis in science and mathematics. Students interested in a particular school or college should discuss this with their counselor to determine exact requirements for admission.

## TESTING OUT OF A CLASS

Students may *Test Out of Class* for credit by successfully completing (receiving a C+ grade or better) an assessment equivalent to a final exam for the class. Applications for *Testing Out* are available in the Counseling Office and must be completed and returned by **August 15. Examinations will take place before the new school year begins.** Applicants will be notified by mail of the exact date and time.

## CAREER PATHWAYS

All South Lake students are expected to have a clear vision of their future career goals or pathways. South Lake's curriculum is organized so that it matches the State of Michigan Career Pathways model. As students plan their course selections for their four years at South Lake High School, those course selections should be in line with their chosen career pathway. The staff and administration realize that students may change their goals, but students should always keep a career goal in mind. The six Career Pathway designations are listed below and listed for each class offered in this booklet. Please note that some courses are listed as "required" and are, therefore, needed for graduation and considered required for all pathways. The six Career Pathways are:

**Arts and Communication**-careers related to performing, writing, media, photography, public relations, broadcasting, and languages. Examples include, *but are not limited to*, journalist, writer, architect, and television broadcaster.

**Business, Management, and Technology**-careers related to business, marketing, computer systems, economics, accounting, and finance. Examples include, *but are not limited to*, accountant, computer programmer, business owner, and stock advisor.

**Engineering/Manufacturing and Industrial Technology**-careers related to engineering, systems design, manufacturing, construction, tooling, and industrial equipment. Examples include, *but are not limited to*, engineer, machine worker, and equipment operator.

**Health Services** - careers related to the promotion of good health and treatment of diseases. Examples include, *but are not limited to*, physical therapist, nurse, nutritionist, veterinarian, and physician.

**Human Services**- careers related to economic, political, and social systems. Examples include, *but are not limited to*, police officer, attorney, politician, teacher, childcare provider, and social worker.

**Natural Services**-careers related to agriculture, the environment, and natural resources. Examples include, *but are not limited to*, farmer, conservation officer, naturalist, and marine biologist.

## CONSORTIUM SCHEDULING

### VISION

Because a high school's curriculum is fashioned to the particular needs of the students in a district, there are differences within high schools in the types of courses offered. In St. Clair Shores, however, these differences work to the population's advantage because the Consortium can offer to students in each district the unique courses of the other districts. In addition, administrators can combine students with the same educational needs in large enough groups to hold a class that, in individual districts, would be canceled.

### MISSION

South Lake, Lake Shore, Lakeview, East Detroit, Harper Woods, and Roseville High Schools are steadfastly united in their commitment to educate all students. Therefore, cooperative scheduling among the high schools has been and continues to be a plan created solely to further educational opportunities by giving students access to each high school's courses.

### GOAL

It is the goal of cooperative scheduling that students choose courses that fulfill their individual requirements. The student should not be diverted from their educational goals by the location of a class.

Disclaimer: The Consortium cooperative schedule is always subject to economic and other factors which may impact any or all of the districts. It must be realized that courses listed in this catalog may, in fact, not be offered in a given year.

### REQUIREMENT

Students are required to complete the CTE Application Form. Proof of current immunizations is required.

## GENERAL COURSES

### INDEPENDENT STUDY

½ Credit

The purpose of the Independent Study Program is to extend the curriculum beyond the classroom, permitting students to achieve more self-reliance in their education. Normally the program is restricted to upper classmen and is available to them at a maximum of one credit. *Students are required to meet with their independent study teacher five days a week.*

The Independent Study Program may encompass either in-school or out-of-school endeavors. For the program, a student and a teacher must mutually agree to a project. Independent Study selections must be approved by an **administrator and department chair prior to scheduling**. The teacher and student must complete an independent study plan that includes the goals and outcomes for the study **prior** to approval.

Students are restricted to **one** Independent Study Program **per semester** and will receive one-half credit for one semester's work on an approved project. Students may take a maximum of two independent study courses during their four year career. A grade will be given at the end of each semester of Independent Study. No teacher may have more than two students under his/her supervision on an Independent Study Program.

### UNIVERSAL SEMINAR

¼ Credit

The seminar classes will be comprised of a pre-determined numbers of freshmen, sophomores, juniors, and seniors. Students will remain with the same teacher and same fellow students through four years of high school. Seminars will be used for MEAP and achievement related reviews, pullouts of students who are struggling academically, class and club meeting times, and various school wide instructional and citizenship related activities.

\*The course numbers for some of these courses are not provided because special arrangements must be made with the student's counselor before a student can enroll in the classes.

### E2020

E2020 is a powerful online course management tool that enables South Lake High School to offer a variety of learning options to its students: both as a credit recovery alternative and as an enhancement to already existing curriculum. E2020 offers multimedia presentations on a variety of different topics that offers our students different access points to information, supporting the concept of Universal Design for Learning. **E2020 meets after the regular school day. A fee will be charged.**

## ENGLISH REQUIREMENTS

<i>FOUR (4) CREDITS REQUIRED</i>			
	Path 1	Path 2	Path 3
<b>9<sup>th</sup> Grade</b>	<b>English 9A &amp; 9B Collaborative Course #0026/0027</b>	<b>English 9A &amp; 9B Course # 0023/0024</b>	<b>International Studies in English Accelerated 9A &amp; 9B Course #0073/0074</b>
<b>10<sup>th</sup> Grade</b>	<b>English 10A &amp; 10B Collaborative Course #0207/0208</b>	<b>English 10A &amp; 10B Course #0203/0204</b>	<b>International Studies in English Accelerated 10A &amp; 10B Course #0205/0206</b>
<b>11<sup>th</sup> Grade</b>	<b>English 11A &amp; 11B Collaborative Course # 0230/0231</b>	<b>English 11A &amp; 11B Course #0236/0237</b>	<b>International Studies in English Accelerated 11A &amp; 11B Course #0240/0241</b>
<b>12<sup>th</sup> Grade</b>	<b>English 12A &amp; 12B Collaborative Course #0302/0303</b>	<b>English 12A &amp; 12B Course #0326/0327</b>	<b>Accelerated English 12A &amp; 12B Course #0328/0329</b>
<i>ELECTIVES</i>			
<b>One Semester (1/2 Credit)</b>		<b>Two Semesters (1 Credit)</b>	
<ul style="list-style-type: none"> <li>◆ Creative Writing</li> <li>◆ Literature of Film</li> </ul>		<ul style="list-style-type: none"> <li>◆ Journalism</li> </ul>	

### Ninth Grade

A student must successfully complete **one (1) credit** in any of the following:

English 9A and 9B Collaborative	0026/0027	Full year, 1/2 credit <b>each</b> semester
English 9A and 9B	0023/0024	Full year, 1/2 credit <b>each</b> semester
International Studies in English Accelerated 9A & 9B	0073/0074	Full year, 1/2 credit <b>each</b> semester

### Tenth Grade

A student must successfully complete **one (1) credit** in any of the following:

English 10A & 10B Collaborative	0207/0208	Full year, 1/2 credit <b>each</b> semester
English 10A & 10B	0203/0204	Full year, 1/2 credit <b>each</b> semester
International Studies in English Accelerated English 10A & 10B	0205/0206	Full year, 1/2 credit <b>each</b> semester

### Eleventh Grade

A student must successfully complete **one (1) credit** in any of the following:

English Collaborative 11A & 11B	0230/0231	Full year, 1/2 credit <b>each</b> semester
English 11A & 11B		
International Studies in English	0236/0237	Full year, 1/2 credit <b>each</b> semester
Accelerated English 11A & 11B	0240/0241	Full year, 1/2 credit <b>each</b> semester

### Twelfth Grade

English Collaborative 12A & 12B	0302/0303	Full year, 1/2 credit <b>each</b> semester
English 12A & 12B	0326/0327	Full year, 1/2 credit <b>each</b> semester
Accelerated English 12A & 12B	0328/0329	Full year, 1/2 credit <b>each</b> semester
Advanced Placement Literature 1 & 2	0331/0332	Full year, 1/2 credit <b>each</b> semester

**ENGLISH 9A COLLABORATIVE**  
**ENGLISH 9B COLLABORATIVE**

**Course No. 0026**  
**Course No. 0027**

**(Full year class, 1/2 Credit each semester)**

- Prerequisite:** Recommendation of previous English teacher.
- Grade Level:** 9
- Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.
- Description:** This course is designed for the student who has demonstrated a need to improve skills in reading, writing, listening, and speaking. The course is taught in thematic units that include novels, short stories, poetry, essays, informational text, lyrics and multimedia. Assessments include projects, essay writing, speeches, and research that all center on *Inter-Relationships and Self-Reliance*. Students will be introduced to high school reading and writing 81 Michigan ELA Expectations are taught.



**ENGLISH 9A**  
**ENGLISH 9B**

**Course No. 0023**  
**Course No. 0024**

**(Full year class, 1/2 Credit each semester)**

- Prerequisite:** Recommendation of previous English teacher.
- Grade Level:** 9
- Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.
- Description:** This course is designed for the average and above average student in developing English Language Arts skills. The course is taught in thematic units that include novels, short stories, poetry, essays, informational text, lyrics and multimedia. Assessments include projects, essay writing, speeches, and research that all center on *Inter-Relationships and Self-Reliance*. Students will be introduced to high school reading and writing 81 Michigan ELA Expectations are taught.

**INTERNATIONAL STUDIES IN ENGLISH LANGUAGE 9A (ACCELERATED ELA)**      **Course No. 0073**  
**INTERNATIONAL STUDIES IN ENGLISH LANGUAGE 9B (ACCELERATED ELA)**      **Course No. 0074**  
**(Full year class, ½ credit each semester)**

**Grade Level:** 9

**Prerequisite:** Participation in the Global Education program or teacher/counselor recommendation

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This course is designed for the student who has demonstrated excellent reading, writing, listening, and speaking skills. The course is taught in thematic units that include novels, short stories, poetry, essays, informational text, lyrics and multimedia, all with a focus on American and international writers. Assessments include projects, essay writing, speeches, and research that all center on Inter-relationships and Self-reliance. Students will be introduced to high school reading and writing.

**ENGLISH COLLABORATIVE 10A**      **Course No. 0207**  
**ENGLISH COLLABORATIVE 10B**      **Course No. 0208**  
**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** Language Arts Collaborative, Language Arts, or recommendation of previous English teacher.

**Grade Level:** 10

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This course is designed for the student who has demonstrated a need to improve skills in reading, writing, listening, and speaking. This course is structured to increase reading rate, comprehension, vocabulary and to enable students to communicate verbally in a logical manner. The course is taught in thematic units that include American novels, short stories, poetry, essays, informational text, lyrics and multimedia and correlate with the US History classes. Assessments include projects, essay writing, speeches, and research that all center on *Critical Stance and Response*. All 81 Michigan ELA Expectations are taught.

**ENGLISH 10A**  
**ENGLISH 10B**

**Course No. 0203**  
**Course No. 0204**  
**(Full year Class, 1/2 Credit each)**

**Prerequisite:** English 9A and 9B and/or recommendation of previous English teacher.

**Grade Level:** 10

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This course is designed for the average and above average student in developing English Language Arts skills. The course is taught in thematic units that include American novels, short stories, poetry, essays, informational text, lyrics and multimedia and correlate with the US History classes. Assessments include projects, essay writing, speeches, and research that all center on *Critical Stance and Response*. All 81 Michigan ELA Expectations are taught.

**INTERNATIONAL STUDIES IN ENGLISH 10A (ACCELERATED ELA)**  
**INTERNATIONAL STUDIES IN ENGLISH 10B (ACCELERATED ELA)**

**Course No. 0217**  
**Course No. 0218**

**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** Must have a cumulative grade of a B+ in Studies in Language Arts 1 & 2 , participation in the Global Education program and/or recommendation of previous English Teacher.

**Grade Level:** 10

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This course is designed for the student who has demonstrated excellent reading, writing, listening, and speaking skills. The course is taught in thematic units that include American novels, short stories, poetry, essays, informational text, lyrics and multimedia and correlate with the US History classes. Assessments include projects, essay writing, speeches, and research that all center on *Critical Stance and Response*. Advanced writing skills are stressed. All 81 Michigan ELA Expectations are taught.

**ENGLISH COLLABORATIVE 11A**  
**ENGLISH COLLABORATIVE 11B**

**Course No. 0230**  
**Course No. 0231**  
**(Full year Class, 1/2 Credit each)**

**Prerequisite:** American Literature Collaborative, American Literature or recommendation of previous English teacher

**Grade Level:** 11

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This course is designed for the student who has demonstrated a need to improve skills in reading, writing, listening, and speaking. The course is taught in thematic units that include American novels, short stories, poetry, essays, informational text, lyrics and multimedia. Assessments include projects, essay writing, speeches, and research that all center on *Transformational Thinking*. Argumentative and persuasive writing are stressed. All 81 Michigan ELA Expectations are taught

**ENGLISH 11A**  
**ENGLISH 11B**

**Course No. 0236**  
**Course No. 0237**  
**(Full year Class, 1/2 Credit each)**

**Prerequisite:** American Literature 1 & 2 and/or recommendation of previous English teacher

**Grade Level:** 11

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This course is designed for the average and above average student in developing English Language Arts skills. The course is taught in thematic units that include American novels, short stories, poetry, essays, informational text, lyrics and multimedia. Assessments include projects, essay writing, speeches, and research that all center on *Transformational Thinking*. Argumentative and persuasive writing are stressed. All 81 Michigan ELA Expectations are taught.

**INTERNATIONAL STUDIES IN ENGLISH 11A (ACCELERATED ELA)**  
**INTERNATIONAL STUDIES IN ENGLISH 11B (ACCELERATED ELA)**

**Course No. 0242**  
**Course No. 0243**  
**(Full year Class, 1/2 Credit each)**

**Prerequisite:** Studies in United States Literature 1&2

**Grade Level:** 11

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This course is designed for the student who has demonstrated excellent reading, writing, listening, and speaking skills. The course is taught in thematic units that include novels, short stories, poetry, essays, informational text, lyrics and multimedia. Assessments include projects, essay writing, speeches, and research that all center on *Transformational Thinking*. Advanced skills in argumentative and persuasive writing are stressed. All 81 Michigan ELA Expectations are taught.



**ENGLISH COLLABORATIVE 12A**  
**ENGLISH COLLABORATIVE 12B**

**Course No. 0302**  
**Course No. 0303**  
**(Full year Class, 1/2 Credit each)**

**Prerequisite:** Collaborative English 11A & 11B, English 11A & 11B or recommendation of previous English teacher

**Grade Level:** 12

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This course is designed for the student who has demonstrated a need to improve skills in reading, writing, listening, and speaking. The course is taught in thematic units that include novels, short stories, poetry, essays, informational text, lyrics and multimedia. Assessments include projects, essay writing, speeches, and research that all center on *Leadership Qualities*. Also, students will plan for life after high school, post-secondary education, and real world communications. All 81 Michigan ELA Expectations are taught.

**ENGLISH 12A**  
**ENGLISH 12B**

**Course No. 0326**  
**Course No. 0327**  
**(Full year Class, 1/2 Credit each)**

**Prerequisite:** English 11A & 11B and/or recommendation of previous English teacher

**Grade Level:** 12

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This course is designed for the average and above average student in developing English Language Arts skills. The course is taught in thematic units that include novels, short stories, poetry, essays, informational text, lyrics and multimedia. Assessments include projects, essay writing, speeches, and research that all center on *Leadership Qualities*. Also, students will plan for life after high school, post-secondary education, and real world communications. All 81 Michigan ELA Expectations are taught.

**ACCELERATED ENGLISH 12A**  
**ACCELERATED ENGLISH 12B**

**Course No. 0328**  
**Course No. 0329**  
**(Full year Class, 1/2 Credit each)**

**Prerequisite:** Accelerated English 11A & 11B

**Grade Level:** 12

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This course is designed for the student who has demonstrated excellent reading, writing, listening, and speaking skills. The course is taught in thematic units that include novels, short stories, poetry, essays, informational text, lyrics and multimedia. Assessments include projects, essay writing, speeches, and research that all center on *Leadership Qualities*. Also, students will plan for life after high school, post-secondary education, and real world communications. All 81 Michigan ELA Expectations are taught.



**ADVANCED PLACEMENT LITERATURE 1**  
**ADVANCED PLACEMENT LITERATURE 2**

**Course No. 0331**  
**Course No. 0332**  
**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** A cumulative grade of an “B” in Accelerated English 11A and 11B, and recommendation of previous English teacher. In addition to the criteria to gain entrance into the class, students must also complete summer reading. This list is given to students at the end of their junior year in preparation for their senior year. **All students enrolled in the class are expected to take the AP exam. This course is NOT subject to exam exemption.**

**Grade Level:** 12

**Career Pathways:** Arts & Communication, Business, Management, Marketing and Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This course is designed for the student who is highly motivated and intellectually capable. Students enrolled in this course must have an exceptional command of the English language and the desire to take the Advanced Placement Literature Test in May of their senior year. AP is a fast paced course focused on the analysis of literature and students must be willing and able to keep up with the pace as well as the work. Areas of study include the structure, format and analysis of short stories, dramas, comedies, novels, poetry, and advanced placement exam preparation all in relation to *Leadership Qualities*. Students will also be expected to complete independent reading projects throughout three of the four quarters. All 81 Michigan ELA Expectations will be taught.



**CREATIVE WRITING - One semester**

**Course No. 0380**  
**(1/2 Credit)**

**Prerequisite:** Successful completion of 10th grade English course

**Grade Level:** 11 - 12

**Career Pathways:** Arts & Communications.

**Description:** Freedom of expression and creative abilities are emphasized in this course which introduces the student to various forms of creative writing (descriptive, reflective, poetry, fiction, nonfiction, plays, and letters). Students are encouraged to learn at their own speed, but determination and effort are important assets in this course. Students will be encouraged to write in areas of interest to them and challenged to explore various genres and subjects. Writing workshops will encourage peer evaluation as well as cooperative learning.

**LITERATURE OF FILM - One semester**

**Course No. 0500  
(1/2 Credit)**

**Prerequisite:** A permission slip MUST be turned in to teacher during first week of class. No exceptions.

**Grade Level:** 11-12

**Career Pathways:** Arts & Communication.

**Description:** A challenging and exciting course designed to reinforce English concepts through the medium of film. Students will learn and research the idea of what makes a classic film. Film genres will be explored to the point of recognizing what techniques and characterizations enhance a film's quality. Writing skills are a requirement. Some of the films that will be viewed are:

The 30s - Chaplin's - *A City Lights*      The 50s - *A Rebel without a Cause*  
The 40s - *Casablanca*                              Present - *Crash*

**Genres covered will include:** Horror, Drama, Musical, War Epics, Sports, Sci-Fi, Video, and Animation.



**JOURNALISM 1A  
JOURNALISM 1B**

**Course No. 0061  
Course No. 0062  
(Full year class, 1/2 Credit each semester)**

**Prerequisite:** C+ or better average in English and recommendation of previous English teacher.

**Grade Level:** 9 – 12

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** Journalism 1 is an introductory course designed to teach the professional and technical aspects of journalism. Students learn to write for a newspaper, edit stories, and write headlines and layout pages of a newspaper or brochure. Students also learn the rights and responsibilities of the journalist. This course is designed for students with above average writing skills.

**JOURNALISM 2A, 2B**  
**JOURNALISM 3A, 3B**  
**JOURNALISM 4A, 4B**

**Course No. 0161, Course No. 0162**  
**Course No. 0261, Course No. 0262**  
**Course No. 0361, Course No. 0362**  
**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** B or better in Journalism 1A and 1B and teacher recommendation.  
B or better in Journalism 2A and 2B and teacher recommendation.  
B or better in Journalism 3A and 3B and Journalism teacher recommendation.

**Grade Level:** 10 - 12

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This is an advanced journalism course, which is responsible for the production of the award winning student newspaper ***The Lancer***. Writing articles and designing and producing ***The Lancer*** are course requirements. Students are expected to refine and polish journalistic skills. In addition, students may also specialize in areas of interest and expertise, such as design, business, photography, leadership, and management. **This course requires work outside the class.**



## FOREIGN LANGUAGE DEPARTMENT

### ITALIAN 1A ITALIAN 1B

Course No. 5120

Course No. 5121

(Full year, 1/2 Credit each semester)

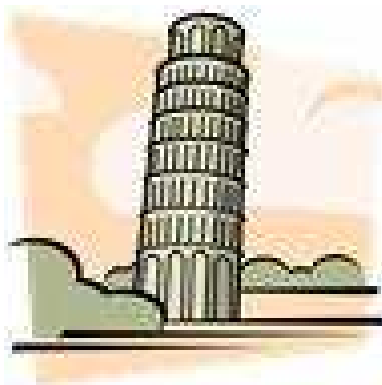
**Prerequisite:** 1A - "C" or higher and recommendation from previous English teacher.

1B - Passing grade in Italian 1A

**Grade Level:** 9 - 12

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This is an introductory course in the Italian language and culture. A variety of audio-visual techniques are used to reinforce the skills of reading and listening comprehension and self-expression through speaking and writing.



### FRENCH 3A FRENCH 3B

Course No. 5211

Course No. 5212

(Full year class, 1/2 Credit each semester)

**Prerequisite:** French 2A and 2B and teacher recommendation.

**Grade Level:** 11 - 12

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** Speaking, listening, reading and writing skills learned in previous courses are greatly enhanced through continued study of vocabulary and grammatical structures.

**FRENCH 4A**  
**FRENCH 4B**

**Course No. 5311**  
**Course No. 5312**  
**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** French 3A and 3B and teacher recommendation.

**Grade Level:** 12

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This course is a continuation of French 3 sequence. More emphasis is placed on working independently as well as cooperatively in small groups.

**SPANISH 1A**  
**SPANISH 1B**

**Course No. 5001**  
**Course No. 5002**  
**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** 1A - "C" or higher and a recommendation from previous English Teacher  
1B - Passing grade in Spanish 1A

**Grade Level:** 9 - 12

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This is a full-year course in the Spanish language and culture. Emphasis is on five major standards of foreign language learning: communication, understanding of other cultures, connections with other disciplines, comparison of language and culture with English, and participation in multilingual communities around the world. A variety of materials are used to acquire these skills: text, videos, computer programs, audio CD's, and authentic materials. A minimum of two or three years of foreign language study is recommended for the college-bound student.

**SPANISH 2A**  
**SPANISH 2B**

**Course No. 5101**  
**Course No. 5102**  
**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** C average in Spanish 1A and 1B and teacher recommendation.

**Grade Level:** 10 - 12

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** The standards emphasized in Spanish 1 are used to continue the Spanish sequence. Students in Spanish 2 review concepts learned in Spanish 1, while adding level appropriate vocabulary and structures.

**SPANISH 3A**  
**SPANISH 3B**

**Course No. 5201**  
**Course No. 5202**  
**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** C average in Spanish 2A and 2B and teacher recommendation.

**Grade Level:** 11 - 12

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This course includes all of the standards stressed in Spanish 1 and 2 with a higher level of proficiency. Students will be working more independently to increase their own level of proficiency in Spanish.

**AP SPANISH 4A**  
**AP SPANISH 4B**

**Course No. 5301**  
**Course No. 5302**  
**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** C average in Spanish 3A and 3B and teacher recommendation.

**Grade Level:** 12

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** This course emphasizes all of the standards from Spanish 1, 2, and 3. An intensive review of vocabulary and structures is included, along with refinement of the skills necessary to succeed in the Spanish-speaking world. Students will again be working more independently to achieve their goals. After completing four years of Spanish, students should be prepared for intermediate-level college Spanish classes.



**MANDARIN 2A**  
**MANDARIN 2B**

**Course No. 5141**  
**Course No. 5142**  
**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** Mandarin 1A, Mandarin 1B, and teacher recommendation.

**Grade Level:** 9

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** The standards used in Mandarin 1 are used to continue the Mandarin sequence. Students in Mandarin 2 review concepts learned in Mandarin1, while adding appropriate vocabulary and structures.

**MANDARIN 3A**  
**MANDARIN 3B**

**Course No. 5143**  
**Course No. 5144**  
**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** Mandarin 2A, Mandarin 2B, and teacher recommendation.

**Grade Level:** 10

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** The standards used in Mandarin 2 are used to continue the Mandarin sequence. Students in Mandarin 3 review concepts learned in Mandarin2, while adding appropriate vocabulary and structures.

**MANDARIN 4A**  
**MANDARIN 4B**

**Course No. 5145**  
**Course No. 5146**  
**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** Mandarin 3A, Mandarin 3B, and teacher recommendation.

**Grade Level:** 11

**Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing & Industrial Technology, Health Sciences, Natural Resources & Agriscience, Human Services.

**Description:** The standards used in Mandarin 3 are used to continue the Mandarin sequence. Students in Mandarin 4 review concepts learned in Mandarin3, while adding appropriate vocabulary and structures.

## MATHEMATICS REQUIREMENTS

### FOUR (4) CREDITS REQUIRED

	Path 1	Path 2	Path 3
9 <sup>th</sup> Grade	Algebra 1A (HS1120) Algebra 1B (HS1123)	Geometry1A and 1B (HS1131/HS1132)	Geometry1A and 1B (HS1131/HS1132)
10 <sup>th</sup> Grade	Either <ul style="list-style-type: none"> <li>• Applied Geometry 1A &amp; 1B (#1125/1126)</li> </ul> OR <ul style="list-style-type: none"> <li>• Geometry 1A and 1B (#1131/1132)</li> </ul>	Algebra 1B and 1C (HS1123/HS1124)	Advanced Algebra 2A and 2B (HS1231/HS12320)
11 <sup>th</sup> Grade	Algebra 1C (HS1124) Algebra 2A (HS1233)	Algebra 2A & 2B (HS1233/HS1234)	Pre-calculus A & B (HS1311/HS1312)
12 <sup>th</sup> Grade	Algebra 2B and 2C (HS1234/HS1235)	Any of the following: <ul style="list-style-type: none"> <li>• Pre Calculus A and B (HS1311/HS1312)</li> <li>• Algebra 2C (HS1235) and Mathematics of Operations Research A or B (HS1306/HS1307)</li> <li>• Algebra 2C (#1235) and Financial Lit (HS1222)</li> </ul>	Any of the following: <ul style="list-style-type: none"> <li>• AP Calculus (HS1330/HS1331)</li> <li>• AP Statistics (HS1318/HS1319)</li> <li>• Mathematics of Operations Research A and B (HS1306/HS1307)</li> <li>• Math related course</li> </ul>
<b>ELECTIVES</b>			
Two Semesters (1 Credit)			
<ul style="list-style-type: none"> <li>◆ Financial Literacy (HS1222)</li> <li>◆ Mathematics of Operations Research A or B (may be taken independently of one another) (HS1306/HS1307)</li> </ul>			

Mathematics classes must be taken in order: A, B, and C.

To satisfy graduation requirements for the State of Michigan, students must have four credits of mathematics while in high school to graduate. At least one math credit must be earned during their senior year. This may include three (3) credits in mathematics plus a fourth credit in a math course or a qualifying math related course (see your counselor for details). Students must complete Algebra 1A, B, C, Geometry 1A, 1B, and Algebra 2A, 2B, and 2C.

Students who completed Middle School Honors Algebra with a grade of C or better will satisfy the Algebra 1 requirement and will receive Algebra 1 A, B, and C high school mathematics credit and follow path 3. Parents and students in path 3 should also note that state required Algebra 2 content is covered by path 3 students during Advanced Algebra 2A and 2B combined with content in Pre-calculus A and B.

South Lake Middle School students who pass regular algebra with a grade of C or better will receive credit for Algebra A and .5 high school credit. These students will likely follow path B.

(Please note that the State of Michigan *requires* four credits of math during high school, students earning math credit are still required to take four credits of math in high school.)

## NOTE FOR COLLEGE BOUND MATHEMATICS/SCIENCE STUDENTS

- Students in upper level mathematics courses should be prepared to complete one hour of homework each night as a part of the class requirement.



### ALGEBRA 1A

**Course No. 1120**  
**(Semester class, 1/2 credit)**

**Prerequisite:** Open to students who failed eighth grade math or passed with a C, C-, D+, D, or D-average. Credit in this class required either from middle school or high school. Students without transcripts should take a placement test. To fulfill the high school algebra, students must complete Algebra 1A, 1B and 1C before graduation.

**Grade Level:** 9

**Requirements:** Students will use a scientific calculator to complete problems. Students need to be able to do basic operations with numbers and successfully completed a seventh grade mathematics class. Students should be able to plot points, understand integers, and be able to evaluate expression-using basic order of operations.

**Career Pathways:** All Pathways.

**Description:** This course is designed to teach the basic Algebraic concepts associated with Algebra through application and conceptualization. The student will use scientific calculators as well as computer technology to develop Algebra skills. The course will include mathematics support outside of the regular class. (This class is the first in the Algebra requirement to graduate from high school.)

*Give me a lever long enough and a fulcrum on  
which to place it, and I shall move the world.*  
*Archimedes*

**ALGEBRA 1B**  
**ALGEBRA 1C**

**Course No. 1123**  
**Course No. 1124**  
**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** Open to students who have successfully completed eighth grade math with at least a C+ average and geometry. **This class is required for graduation.**

**Grade Level:** 9 - 10

**Requirements:** Students are expected to complete daily assignments, special projects on related content, as well as pass tests and quizzes on each topic. Students will need to use a TI-83 or TI-84 graphic calculator.

**Career Pathways:** All Pathways.

**Description:** These courses will provide students with the necessary skills in Algebra. Students will study algebra curriculum outlined by the state of Michigan. Students will work with linear, exponential, quadratic and polynomial functions. They will study the different number systems including irrational numbers. Students will work with analyzing data from an algebraic, graphic and numeric approach.



**GEOMETRY 1A**  
**GEOMETRY 1B**

**Course No. 1131**  
**Course No. 1132**  
**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** Open to any student who passed Honors Algebra or eighth grade math with a C- or better with teacher recommendation. This is required for graduation.

**Grade Level:** 9

**Requirements:** Students are expected to complete daily assignments, special projects on related content, as well as pass tests and quizzes on each topic. Students will need to use a scientific calculator (for a student going beyond Geometry, a TI-83 or TI-84 graphic calculator is recommended).

**Career Pathways:** All Pathways

**Description:** This course highlights synthetic, coordinate, and transformational approaches; reinforces and extends knowledge of algebra; carefully develops an understanding of proofs, works on area and volume, characteristics of 2 and 3 dimensional figures, logic, and an introduction to trigonometry. Work/world applications are provided throughout.

**APPLIED GEOMETRY 1A**  
**APPLIED GEOMETRY 1B**

**Course No. 1125**  
**Course No. 1126**  
**(Full year class, 1/2 credit each semester)**

- Prerequisite:** Open only to students who have passed Algebra 1A and 1B, with a C or lower and/or teacher recommendation. The course is designed for the non-college student or students not majoring in mathematics, science, or social studies field. This class could be used to fulfill the geometry requirement.
- Grade Level:** 9 - 11
- Requirements:** Students are expected to complete daily assignments, special projects on related content, as well as pass tests and quizzes on each topic. Students will need to use a scientific calculator.
- Career Pathways:** All Pathways
- Description:** This course will provide students the opportunity to study geometry through exploration using concrete examples and geosketchpad/hands-on sketchpad activities. Students will study geometric shapes, formulas, properties and basic proof. Students will also study concepts of measurement. Students will complete labs involving application of Geometry concepts.

**ALGEBRA 2A Statistics**

**Course No. 1233**  
**(1/2 Credit, semester class)**

- Prerequisite:** Must have completed Algebra 1A and 1B classes and any Geometry. This class is required.
- Grade Level:** 11 - 12
- Requirements:** Students must be competent in the following technology: TI 83 graphing calculator, Internet research, and Microsoft Word. Students will need to complete simulations and experiments in small and large groups, complete follow-up work and assessments, as well as pass exams.
- Career Pathways:** All pathways
- Description:** This course is designed to teach descriptive statistics, comparing data and probability. Use of a TI-83 graphing calculator is emphasized.

## ALGEBRA 2B

Course No. 1234  
(1/2 Credit, semester Class)

**Prerequisite:** Open to any student who passed Algebra 1A, 1B & 1C **AND** Geometry 1A & 1B **OR** Applied Geometry 1A & 1B. This is a required class for students not taking Advance Algebra 1A & 1B.

**Grade Level:** 11 – 12

**Requirements:** Students must use TI-83 or TI-84 graphic calculator and complete approximately one hour of homework daily. Students will need to complete projects and pass quizzes and tests.

**Career Pathways:** All pathways

**Description:** This course develops algebraic & trigonometric concepts and uses algebraic models to study functions and application problems. Graphing is emphasized and geometry is applied. Students will use many functions on a graphic calculator.

## ALGEBRA 2C

Course No. 1235  
(1/2 Credit, semester class)

**Prerequisite:** Open to any student who passed Algebra 1A, 1B, 1C, 2A, 2B, **AND** Geometry 1A & 1B. This is a required class for students not taking Advance Algebra 1A and 1B.

**Grade Level:** 12

**Requirements:** Students must use TI-83 or TI-84 graphic calculator and complete approximately one hour of homework daily. Students must have mastered objectives through homework, class participation and projects. Mastery will be determined by various forms of assessment.

**Career Pathways:** All pathways

**Description:** This course provides opportunity to develop unit circle trigonometry, logarithmic functions, and combines the concepts of all algebraic functions. Students will solve all algebraic problems numerically, graphically, and algebraically.



**ADVANCED ALGEBRA 2A**  
**ADVANCED ALGEBRA 2B**

**Course No. 1231**  
**Course No. 1232**

**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** Open to any student who passed Algebra 1A & 1B with a B or better **AND** Geometry 1A and 1B with a C or better and/or has teacher recommendation. This class will satisfy the Algebra 2 requirement set by the State of Michigan. Students must take Iowa placement test and pass requirement for advanced class.

**Grade Level:** 10 - 12

**Requirements:** Students **must have a TI-83 or TI-84** graphic calculator, complete approximately **one hour** of homework daily, and have excellent study habits. Students need to be self-motivated and willing to read the text book.

**Career Pathways:** All Pathways

**Description:** This course develops algebraic concepts and uses algebraic models to study functions and application problems. Graphing is emphasized and geometry is applied. Students will use many functions on a graphic calculator. Students enrolled in this class will be preparing for calculus or college.

**PRE-CALCULUS A**  
**PRE-CALCULUS B**

**Course No. 1311**  
**Course No. 1312**

**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** Open to any student who has passed Algebra 2A & 2B, Geometry 1 & 2 and Algebra 1A, B, & C, with a C+ or better and/or has teacher recommendation

**Grade Level:** 11 – 12

**Requirement:** Students must use TI-83 graphic calculator. Students must complete approximately one hour of homework daily, pass exams and complete projects.

**Career Pathways:** Engineering/Manufacturing & Industrial Technology, Human Services.

**Description:** This course integrates all mathematical topics previously covered, while maintaining and enhancing algebraic skills, developing mathematical thinking at a higher level and introduces matrices. The course lays the foundation for success in calculus. This class is recommended for students enrolling in a major university or college.

**MATHEMATICS OF OPERATIONS RESEARCH A**  
**MATHEMATICS OF OPERATIONS RESEARCH B**

**Course No. 1306**

**Course No. 1307**

**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** Open to any student who has passed Algebra 2B, or passed Advanced Algebra or any higher math class, or has teacher recommendation

**Grade Level:** 11 – 12

**Requirement:** Students must be competent in the following technology: performing internet research, Microsoft Word, and Microsoft Excel. Students will work in small and large groups, complete homework, as well as pass exams and give oral presentations.

**Career Pathways:** All Career Pathways

**Description:** This course is designed to improve upon the students' ability to formulate and solve multi-step problems and interpret results. The curriculum presents hypothetical yet common challenges in engineering and business to make math relevant and comprehensible to students. It stresses creative problem-solving and decision-making, enabling students to use mathematics to think analytically in the classroom as well as in everyday life. The course will enlist principles from industrial engineering, operations research, and probability and statistics.

This curriculum is being developed as part of a National Science Foundation grant to researchers at North Carolina State University, Wayne State University, and the University of North Carolina at Charlotte. See [www.mindsetproject.org](http://www.mindsetproject.org) for more information.

**AP CALCULUS AB 1A**  
**AP CALCULUS AB 1B**

**Course No. 1330**

**Course No. 1331**

**(Full year class, 1/2 credit each semester)**

**Prerequisite:** Open to students who have passed pre calculus with a B.

**Grade Level:** 11 - 12

**Requirements:** Students must use the TI-83 or TI-84 graphing calculator. Students must complete approximately one hour of homework daily, pass exams and complete projects. Students must take the AP Calculus AB exam.

**Career Pathways:** Engineering/Manufacturing and Industrial Technology, Human Service.

**Description:** AP Calculus is the mathematical study of rates of change and motions. In the course, two main classes of problems will be solved. The first involves finding the rate at which a variable quantity is changing (differential). The second is that of finding a function when its rate of change is given (integral). This course will be a full academic year comparable to calculus courses offered in colleges and universities culminating in taking the AP Calculus AB exam.

## **FINANCIAL LITERACY 1A**

**Course No. 1222  
(1/2 Credit)**

- Prerequisite:** Only open to students in the 11<sup>th</sup> and 12<sup>th</sup> grade.
- Grade Level:** 11 - 12
- Requirements:** Students are required to do daily homework assignments, special projects on related topics, as well as pass tests on each topic studied. Students must use a scientific calculator
- Career Pathways:** All Career Pathways.
- Course Goals:** The course provides experience with computational skills necessary to solve consumer problems. Topics are arranged to reflect the progression from immediate needs (wages, earnings, and purchasing) to long range needs (auto and home ownership), with emphasis on completing calculations for personal use. Students will learn the basic principals of business mathematics.
- Description:** This course is a consumer approach to mathematics problems which one confronts in daily living, and includes the study of topics such as personal income, auto ownership, loans, banking, housing, budgeting, and taxes.

## **AP STATISTICS 1 AP STATISTICS 2**

**Course No. 1318  
Course No. 1319  
(Full year class, 1/2 Credit each semester)**

- Prerequisite:** Open to students who have passed Advanced Algebra. Students must have completed AP Statistics 1 to take AP Statistics 2.
- Grade Level:** 11 – 12
- Requirement:** Students must use TI-83 graphic calculator. Students must complete approximately one hour of homework daily, pass exams and complete projects.
- Career Pathways:** All pathways
- Description:** AP Statistics is meant to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The course will be a full academic year comparable to statistics courses offered in colleges and universities culminating in taking the AP statistics exam. Students are exposed to four broad themes:
- ◆ Exploring data
  - ◆ Sampling and Experimentation
  - ◆ Anticipating patterns
  - ◆ Statistical inference

**South Lake Science Class of 2012 and Beyond  
Course Schedule for Science**

	Science	Accelerated Science
9 <sup>th</sup>	Biology	Accelerated Biology
10 <sup>th</sup>	Required Elective (Aquatic Biology, F.A.S.T., Environmental Issues,)	Chemistry
	Applied Chemistry	
11 <sup>th</sup>	Applied Physics	Physics
12 <sup>th</sup>	Elective	Elective

The successful completion of three (3) science credits is required for graduation with one (1) or two (2) credits from the following courses.

**Two (2) credits:**

Accelerated Biology 1 & 2	3103/3104	Full year, ½ credit each semester
General Chemistry 1 & 2	3241/3242	Full year, ½ credit each semester

**Two (2) credits:**

Principles of Biology	3080/3081	Full year, ½ credit each semester
Applied Chemistry		½ credit
Required Elective:		
♦ Aquatic Biology	3120	½ credit
♦ Environmental Issues	3375	½ credit
♦ F.A.S.T.	3074	½ credit

**A recommended science major would be:**

♦ Principles of Biology	or	Accelerated Biology
♦ Applied Chemistry & Semester Elective	or	General Chemistry
♦ Applied Physics	or	Physics/Anatomy/AP Chemistry
♦ One year Science elective	or	Physics/Anatomy/AP Chemistry

**ACCELERATED BIOLOGY 1**  
**ACCELERATED BIOLOGY 2**

**Course No. 3103**  
**Course No. 3104**  
**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** Algebra 1, Middle School teacher recommendation, high achievement on placement exam and good computer skills.

**Co-requisite:** Geometry or higher. (Not Algebra)

**Grade Level:** 9

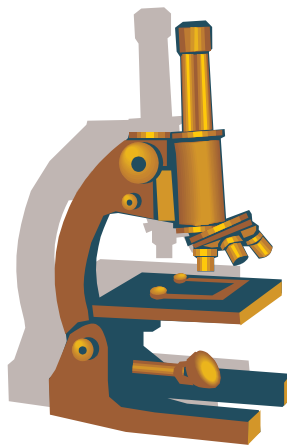
**Career Pathways:** Engineering, Management, Marketing, Technology, Health Sciences, Human Services, Natural Resources and Agriscience.

**Prerequisite:** High reading and interpretation skills, high levels of motivation, inquiry, and self-discipline. All accelerated Biology students are required to take Chemistry the following year and are expected to complete advanced courses in science beyond their freshman year.

**Description:** This course is recommended for the student with higher math and science skills and is designed for a science major/college prep student. Completion of Accelerated Biology during a student's freshman year allows them to take more advanced science classes in the rest of their school career. This course includes several laboratory experiments, dissections, group and individual projects, papers, and presentations.

**Course Content:**

- ◆ Ecology
- ◆ Biochemistry
- ◆ Cells & Cell Processes
- ◆ Genetics
- ◆ Evolution
- ◆ Classification
- ◆ Pathogens/Immunity
- ◆ Human Body



**ANATOMY AND PHYSIOLOGY 1**  
**ANATOMY AND PHYSIOLOGY 2**

**Course No. 3321**

**Course No. 3322**

**(Full year class, 1/2 Credit each semester)**

**Prerequisite/Co-requisite:**

**South Lake:** General Chemistry, three years of Math, Chemistry/Physics/Biology, and teacher placement.

**Lakeview:** Chemistry, Advanced Algebra or Advanced Algebra/Trigonometry, and teacher placement.

**Lake Shore:** Chemistry, Algebra 2, and teacher placement.

**Prerequisite:** High motivation, effective note taking skills, self-discipline and direction, devotion of extra time, and good laboratory skills.

**Grade Level:** 11 - 12

**Career Pathways:** Health Sciences, Human Services, Natural Resources and Agriscience.

**Grade Requirements:** B or better in General Chemistry  
B or better in second year of Math  
Recommendation by chemistry or physics teacher.

**Career Opportunities:** Medicine, Dentistry, Veterinary Science, Occupational Therapy, Medical Technology, Registered Nurse, and higher level health-related professions.

**Description:** This is a yearlong course taught in the manner of a college course, and requires a great deal of extra student time for laboratory responsibilities. The course content will adequately prepare a student for any biological or medical science undergraduate program. A wide variety of laboratory experiences, and techniques, equipment and research are utilized. Dissection of organs, the shark, and the cat are required.

**Course Content:**

- ◆ Body Plan
- ◆ Review and update of body chemistry
- ◆ Cytology/Histology (Normal vs. Abnormal Tissues)
- ◆ Body Framework/Osseous Tissue
- ◆ Muscle Tissue
- ◆ Naso/Oral Pharyngeal Regions
- ◆ Gastrointestinal Tract
- ◆ Mechanics and Chemistry of Respiration
- ◆ Hematology
- ◆ Organs of Circulation

**AP CHEMISTRY – 1A**  
**AP CHEMISTRY – 1B**

**Course No. 3337**  
**Course No. 3338**  
**(Full year, 1/2 Credit each semester)**

**Course Prerequisites/ Co-requisites:**

Extensive and successful mathematical background with a B average in Trigonometry preferred; B average in General Chemistry and Chemistry Instructor recommendation.

<b>Course Content:</b>	Chemical Foundations Atoms, Molecules, Ions Stoichiometry Chemical Reactions Atomic Structure Equilibrium	Bonding, Orbital Chemical Kinetics Chemical Equilibrium Acids and Bases Application of Aqueous	Gas Laws Thermo chemistry Thermodynamics Qualitative Analysis Quantitative Analysis
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**South Lake:** Completion of General Chemistry with a minimum of a B Placement by chemistry teacher recommendation

**Skill Prerequisite:** Self-direction, high motivation, strong algebraic skills, and good fundamental laboratory techniques.

**Grade Level:** 11 - 12

**Career Pathways:** Engineering, Manufacturing and Industrial Technology, Health Sciences, Natural Resources and Agriscience.

**Description:** AP Chemistry is an upper level, college preparatory course that is designed for the student who is seriously considering post secondary endeavors and career choices in chemistry, medicine, and the engineering fields. The course will involve computer application and equipment interfacing, hands-on laboratory and investigative experiences, and general preparation strategies for the college-bound individual. The included content will be approached using the Scientific Method and critical problem-solving skills. A major emphasis will be placed on the individual as an independent thinker in addition to being a cooperative learner.

*The important thing in science is not so much to obtain new facts as to discover new ways of thinking about them.*

*Sir William Bragg*

## **AQUATIC BIOLOGY - One Semester**

**Course No. 3120  
(1/2 Credit)**

**Prerequisite:** Successful completion of Biology

**Grade Level:** 10 - 12

**Career Pathways:** Health Sciences, Natural Resources and Agriscience.

**Description:** A survey of fresh water and marine biology topics, beginning with fresh water, then saltwater. Topics will include: the Great Lakes, the physical aquatic environment and general principles of aquatic ecology; aquatic plants and animals, with emphasis on their special roles and adaptations; major aquatic communities; and marine biotic resource conservation and utilization.

### **Areas of Study for Aquatic Biology:**

- ◆ Freshwater ecosystems (wetlands, rivers and streams, the Great Lakes)
- ◆ Freshwater fish
- ◆ Ocean Basics (tides, waves, currents, etc.)
- ◆ Marine Ecology
- ◆ Dissection of the perch, sea lamprey, squid, sea star, and sea urchin
- ◆ Ocean Life
- ◆ Ocean Communities

## **ENVIRONMENTAL ISSUES - One Semester**

**Course No. 3375  
(1/2 Credit)**

**Prerequisite:** Successful completion of two credits of Science

**Grade Level:** 10 - 12

**Career Pathways:** Health Sciences, Human Services, Natural Resources and Agriscience.

**Description:** This is a one (1) semester course for students who enjoy science and wish to continue their scientific experience. This course includes the study of human interaction with the environment and current environmental issues. Projects, laboratory experiences, debates, and community involvement will be used to analyze environmental issues.

### **Areas of Study:**

- ◆ Analysis of soil, air, and water
- ◆ Changing ecosystems
- ◆ Energy use and alternative energy sources
- ◆ Habitat destruction
- ◆ Protection of the earth's resources
- ◆ Hazardous waste and reduction of solid waste

**APPLIED PHYSICS 1A**  
**APPLIED PHYSICS 1B**

**Course No. 3247**  
**Course No. 3248**  
**(Full year, 1/2 Credit each semester)**

**Prerequisite:** Successful completion of Biology 1 & 2, Chemistry or Applied Chemistry, and Algebra 1.

**Grade Level:** 11 or 12

**Career Pathways:** Required for all pathways.

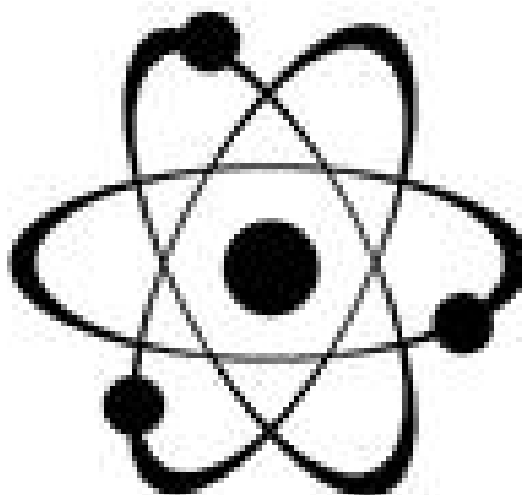
**Description:** This course is recommended for students who have completed Biology, Applied Chemistry, as well as a science elective of your choice. Successful completion of the course as well as the others fore mentioned will satisfy your science requirements. Students will explore the following topics:

*Semester 1:*

- Graphing/Scientific Method
- Newton's laws of motion
- Forces & Energy conversions
- Simple machines & Work
- Electricity & Magnetism
- Sound & Light Waves

*Semester 2:*

- Electromagnetic Waves
- Light
- Movements of the earth
- Solar Systems
- Stars and Star groups
- Sun
- Geological Time



**F.A.S.T. SCIENCE (FUNDAMENTAL APPLICATIONS OF SCIENCE TECHNOLOGY)-One Semester**  
**Course No. 3074**

**Prerequisite:** Successful completion of 9<sup>th</sup> Grade Biology

**Grade Level:** 10-12

**Career Pathways:** Engineering, Manufacturing and Industrial Technology, Natural Resource and Agriscience, Health Science.

**Description:** F.A.S.T. is a hands-on science course that emphasizes further understanding of the scientific method and its usefulness to science technology careers. Students will be required to use their construction skills, and understanding of scientific principles, to build the most effective structures possible while adhering to specific guidelines. This course is recommended for students who have completed their first year of high school science. Successful completion of the course will satisfy the elective credit required during their second year of science.

**Course Content:**

- ◆ Motion and Speed
- ◆ Velocity and Acceleration
- ◆ Gravity
- ◆ Newton's laws
- ◆ Air Resistance
- ◆ Kinetic and Potential energy
- ◆ Work and Power
- ◆ Electromagnetism
- ◆ Gas Laws



## GENERAL CHEMISTRY 1

### GENERAL CHEMISTRY 2

Course No. 3242  
(Full year class, 1/2 Credit each semester)

- Prerequisite:** Successful completion of Accelerated Biology with a B- or better or a solid B average or better in 9<sup>th</sup> and 10<sup>th</sup> grade Sciences is required, as is a C average or better in Algebra 1 and/or Geometry. Students are further required to have a science teacher's recommendation.
- Skill Prerequisite:** High reading and interpretation skills, solid mathematical background, and high levels of motivation, inquiry, and self-discipline.
- Grade Level:** 10 - 12
- Career Pathways:** Engineering, Manufacturing and Industrial Technology, Health Sciences, Human Services, Natural Resources and Agriscience, Business Management, Marketing and Technology.
- Career Opportunities:** Any science/health/medical related career. A basic requirement needed for college.
- Description:** General Chemistry is a yearlong course and a definite part of the suggested sequence for many college majors. It provides an excellent background in one of the basic areas of science. The concepts addressed are at an abstract and often difficult level, but at the end of the year, the student should have a unified and working model of the nature of matter and its reactions. Good math skills are a must.



#### Course Content for General Chemistry:

- ◆ Energy and Matter
- ◆ Atomic Structure
- ◆ Electronic Structure
- ◆ Periodic Table
- ◆ Groups of Elements
- ◆ Chemical Bonding
- ◆ Molecular Shape
- ◆ Nomenclature
- ◆ Chemical Reactions and Equations
- ◆ The Mole
- ◆ The Math of Chemical Equations
- ◆ Gases Laws
- ◆ Liquids and Solids
- ◆ Solutions
- ◆ Solubility and Precipitation
- ◆ Acids and Bases
- ◆ Nuclear Chemistry

## APPLIED CHEMISTRY

Course No. 3210  
(1/2 Credit)

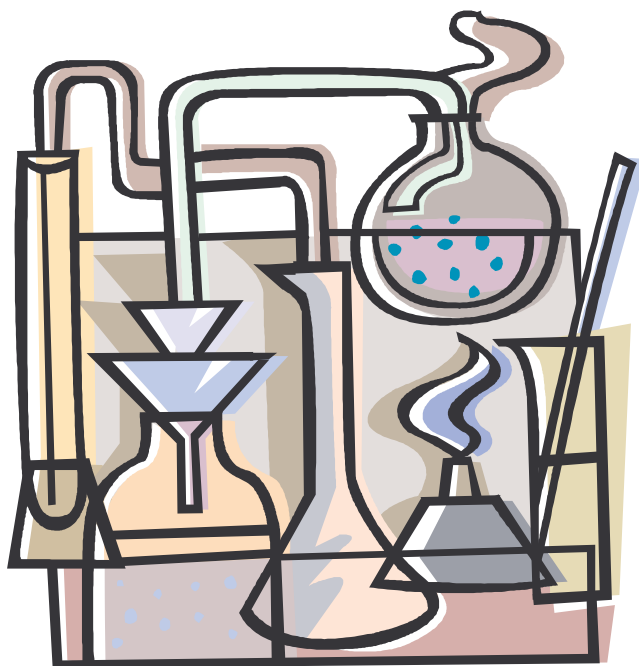
**Prerequisite:** Successful completion of Principles of Biology 1 & 2

**Grade Level:** 10 - 12

**Career Pathways:** All pathways

**Description:** Applied Chemistry is a semester long course that highlights the key components in the world of chemistry which includes the following:

- ◆ SI Units
- ◆ States of Matter
- ◆ Scientific Method
- ◆ Substances and Mixtures
- ◆ Periodic Table
- ◆ Atomic Structure
- ◆ Nomenclature
- ◆ Acid Base Chemistry



**PHYSICS 1**  
**PHYSICS 2**

**Course No. 3301**  
**Course No. 3302**

**(Full year class, 1/2 Credit each semester)**

**Prerequisite/Co-requisite:** Functions, Statistics and Trigonometry 1 & 2

**Skill Prerequisite:** High motivation level, application skills

**Grade Level:** 11 - 12

**Career Pathways:** Engineering, Manufacturing and Industrial Technology, Health Sciences, Natural Resources and Agriscience.

**Grade Requirements:** B in General Chemistry; Placement by a Chemistry teacher

**Career Opportunities:** Medicine, Veterinary Science, Engineering, Dentistry, some health related careers, Science Research, Science Education, Electronics, Computer Technology.

**Description:** A year long study of Physics is highly recommended for students planning to major in any science in college. Physics is the most basic science and deals with the fundamental laws of nature. Since these laws are expressed as mathematic formulae, a talent for mathematics is necessary, as well as a genuine curiosity about the universe. All topics listed below are dealt with quantitatively (using algebra and/or trigonometry). In addition, many experiments, projects, or video presentations are required and are performed giving the students tangible experience with physical principles.

**Course Content for Physics:**

- ◆ Laws of Motion
- ◆ Use of Vectors
- ◆ Centripetal Motion
- ◆ Universal Gravitation
- ◆ Mechanical Energy
- ◆ Wave Behavior
- ◆ Properties of Light; Wave and Particle
- ◆ Electricity and Electric Fields
- ◆ Magnetism and its fields
- ◆ Electromagnetic Radiation

**Prerequisite:** None

**Grade Level:** 9

**Career Pathways:** Required for any career pathway

**Notification:** *Students must successfully complete both semesters of Biology before moving on in Science.*

**Description:** **See Semester 1 and Semester 2 below:**

### **SEMESTER 1**

#### **Cell Biology:**

**Students will:**

- ◆ Explain and describe the importance of chemistry and chemical compounds to living things
- ◆ Identify how nutrients are used in living things
- ◆ Explain the transformations of energy in photosynthesis and cellular respiration
- ◆ Classify cell types and their organelles
- ◆ Explain how energy and nutrients move through cells
- ◆ Understand the importance of DNA to cellular heredity
- ◆ Explain the process by which numbers of cells are increased

#### **Genetics:**

**Students will:**

- ◆ Understand the historical developments that lead to the current knowledge about genetics
- ◆ Explain how traits are passed through generations
- ◆ Explain how changes in DNA can alter traits and characteristics
- ◆ Understand how scientists study and use principles of genetics to benefit man

### **SEMESTER 2**

**Students will:**

- ◆ Classify organisms based on the current six-kingdom classification system
- ◆ Explain the benefits and detriments of bacteria to humans
- ◆ Explain the life cycle of various disease causing organisms and their impact on humans
- ◆ Understand the technology and treatments used against disease causing organisms
- ◆ Relate the functions of the human body systems and the maintenance of internal stability
- ◆ Explain the processes of matter recycling through the biosphere
- ◆ Describe the flow of energy through the biosphere and describe the many interactions among organisms

## SOCIAL STUDIES DEPARTMENT CLASS OF 2012 AND BEYOND

THREE (3) CREDITS REQUIRED		
	Path 1	Path 2
9 <sup>th</sup> Grade	United State History and Global Relations 1 & 2 (1 credit)	International Studies in United States History and Global Relations 1 & 2 (1 credit)
10 <sup>th</sup> Grade	World History and Global Relations 1 & 2 (1 credit)	International Studies in World History and Global Relations 1 & 2 (1 credit)
11 <sup>th</sup> Grade	American Government (1/2 credit) <b>AND</b> Economics (1/2 credit)	Advanced Placement American Government 1 & 2 (1 credit) and Economics (1/2 credit)
12 <sup>th</sup> Grade	Elective(s) Not Required	Advanced Placement United States History 1 & 2 or Advanced Placement Psychology 1A & 1B (1 credit)
ELECTIVES		
One Semester (1/2 Credit) ♦ Introduction to Psychology ♦ Street Law/Practical Law ♦ Sociology ♦ Advanced Placement Psychology ♦ Advanced Placement United State History 1 & 2 ♦ Current Issues		

### Ninth Grade

A student must successfully complete **one (1) credit** in the following:

United State History & Global Relations 1 & 2	2150/2151	One (1) credit
International Studies in United State History and Global Relations 1 & 2	2160/2161	One (1) credit

### Tenth Grade

A student must successfully complete **one (1) credit** in the following:

World History and Global Relations 1 & 2	2230/2231	One (1) credit
International Studies in World History and Global Relations 1 & 2	2236/2237	One (1) credit

### Eleventh Grade

A student must successfully complete **one (1) OR one-and-one-half (1 ½) credits** in the following:

Economics	2310		One-half year, 1/2 credit
		<b><u>AND</u></b>	
American Government	2470		One-half year, 1/2 credit
		<b><u>OR</u></b>	
Advanced Placement American Government 1 and 2	2480/2481		Full year, 1/2 credit <b>each</b> semester
		<b><u>AND</u></b>	
Economics	2310		One-half year, 1/2 credit (may be taken in 12 <sup>th</sup> grade)

**\*The Social Studies Department strongly urges students to complete 3 ½ credits in Social Studies.**

**ADVANCED PLACEMENT AMERICAN GOVERNMENT 1**  
**ADVANCED PLACEMENT AMERICAN GOVERNMENT 2**

**Course No. 2480**

**Course No. 2481**

**(Full year class, 1/2 Credit each semester)**

**Prerequisite:** Students must have a B average in Social Studies classes and approval of the AP Government teacher.

**Grade Level:** 11 - 12

**Career Pathways:** All Pathways

**Description:** AP Government is a college level course developed to prepare students for the Advanced Placement United States Government and Politics Exam for possible college credit. Students taking AP courses are expected to take the AP Exam in the spring. In preparation for the exam, the course covers important features of the American political system including the Constitution, election process, branches of government, and the law making process. The goal of the class is to enhance student knowledge and future participation in the American political process.

**AMERICAN GOVERNMENT - One Semester**

**Course No. 2470**

**(1/2 Credit)**

**Prerequisite:** None

**Grade Level:** 11 (**required**)

**Career Pathways:** All Pathways

**Description:** This course will describe the important features of the American political system, and discuss the process of political decision making. The goal is to enhance the student's future participation in the American political process at the local, state, and national level.

**ECONOMICS - One Semester**

**Course No. 2310**

**(1/2 Credit)**

**Prerequisite:** None

**Grade Level:** 11- 12 (**required**)

**Career Pathways:** All Pathways

**Description:** This is a required one semester course that incorporates both micro and macro economic principles. Topics will include the American Free Enterprise System, small business, role of labor and government, and the nature of a global economy. Special emphasis will be placed on student's current and future roles in the economy.

## **SOCIOLOGY 1 - One Semester**

**Course No. 2410  
(1/2 Credit)**

**Prerequisite:** None

**Grade Level:** 10-12

**Career Pathways:** All Career Pathways

**Description:** Sociology is the study of human social behavior and the development of human society. This course is designed to focus on the ability to see the connection between our personal lives and the social world in which we live. Discussion topics include societal issues such as relationships, race, gender, family, grief, substance abuse, and media. This course is for the open-minded, curious student. We will hold discussions, read, write, and use technology.

## **INTRODUCTION TO PSYCHOLOGY - One Semester**

**Course No. 2418  
(1/2 Credit)**

**Prerequisite:** None

**Grade Level:** 11 - 12

**Career Pathways:** All Career Pathways

**Description:** This course will offer an overview of the exciting world of psychology in an interactive hands-on format. The class will cover topics such as dreams, child development, mental disorders, and memory. The focus is on how the concepts of psychology shape our everyday lives.



## **AP PSYCHOLOGY 1A AP PSYCHOLOGY 1B**

**Course No. 2423  
Course No. 2424  
(Full year class, 1/2 Credit each semester)**

**Prerequisite:** None

**Grade Level:** 11 - 12

**Career Pathways:** All Career Pathways

**Description:** This is a yearlong course designed to teach the content necessary to successfully complete the Advanced Placement Psychology test. The course will familiarize students with the key concepts that have shaped our understanding of human thought and behavior. Students will learn the fundamental concepts of all 6 psychological domains and be able to apply and analyze the same. Each student will be given the opportunity to earn college credit by taking and passing the AP test in May.

**UNITED STATES HISTORY AND GLOBAL RELATIONS 1**  
**UNITED STATES HISTORY AND GLOBAL RELATIONS 2**

**Course No. 2150**  
**Course No. 2151**  
**(Full year class – ½ credit each semester)**

**Prerequisite:** None.

**Grade Level:** 9

**Career Pathways:** All Career Pathways.

**Description:** This class will focus on United States History from 1898-present. Content will be taught using the themes of nationalism, reform, economics and geography. Emphasis will be placed on global interdependence and the US.

**INTERNATIONAL STUDIES IN UNITED STATES HISTORY AND GLOBAL RELATIONS 1**  
**INTERNATIONAL STUDIES IN UNITED STATES HISTORY AND GLOBAL RELATIONS 2**

**Course No. 2160**  
**Course No. 2161**  
**(Full year class – ½ credit each semester)**

**Prerequisite:** Teacher recommendation and student must have a B average in Social Studies.

**Co-requisite:** Foreign Language

**Grade Level:** 9

**Career Pathways:** All Career Pathways.

**Description:** This course is designed to provide a view of US history from a global perspective. In focusing on American History from the turn of the century until present, this course will explore the relationships between the US and its global neighbors. Special emphasis will be placed on economic, social, and political ties with East Asia.

**STREET LAW/PRACTICAL LAW - One Semester**

**Course No. 2004**  
**(1/2 Credit)**

**Prerequisite:** None

**Grade Level:** 9 - 12

**Career Pathways:** All Career Pathways.

**Description:** Practical Law is a course for everyone. Its approach is to provide law-related education with practical information and problem solving to make sense out of and survive in our law saturated society. The curriculum has a hands-on orientation and includes; case studies, mock trials, role-playing and small group activities. Also featured are visits from community members in the legal and law professions such as lawyers and police officers. Experiences outside of the school such as court visits are also included. Course content ranges from criminal law, civil law, juvenile law, and individual rights to consumer and family law.

**ADVANCED PLACEMENT U. S. HISTORY 1 - One Semester**  
**ADVANCED PLACEMENT U. S. HISTORY 2 - One Semester**

**Course No. 2210**  
**Course No. 2211**  
**(1/2 Credit)**

- Prerequisite:** Students must have a B average in Social Studies courses, strong reading and writing skills, and approval of the AP History teacher.
- Grade Level:** 11 - 12
- Career Pathways:** All Career Pathways.
- Description:** AP U.S. History is a full year course designed to provide students with a comprehensive, in-depth learning experience on an introductory college level. Students are expected to develop a knowledge base and analytical skills needed to interpret and assess events, issues, and problems in American history. Coursework is focused on preparing students to take the AP U. S. History exams in the spring, with the goal of earning college credits.

**INTERNATIONAL STUDY OF WORLD HISTORY 1 - One Semester**  
**INTERNATIONAL STUDY OF WORLD HISTORY 2 - One Semester**

**Course No. 2236**  
**Course No. 2237**  
**(1/2 Credit each semester)**

- Prerequisite:** International Studies in United States History and Global Relations 1A and 1B
- Grade Level:** 10
- Career Pathways:** All Career Pathways.
- Description:** This course is the continuation of our international studies curriculum. This course is designed to extend student understanding of the forces that shape our world. It will give students an overview of our world and our place in it focusing on global connections and the historical antecedents that have laid the foundation for today. Students will be required to utilize primary course, current technology, and outside resources to demonstrate their understanding of the material.



**WORLD HISTORY AND GLOBAL RELATIONS 1 - One Semester**  
**WORLD HISTORY AND GLOBAL RELATIONS 2 - One Semester**

**Course No. 2230**  
**Course No. 2231**  
**(1/2 Credit each semester)**

**Prerequisite:** None

**Grade Level:** 10

**Career Pathways:** All Career Pathways.

**Description:** This course will focus on how the world has evolved from 300 AD to present. It will examine and analyze the political, economic, and geographical forces that have shaped our world. Students should take this course between American History and Government and Economics as it will introduce the concepts crucial to higher order thinking.

**CURRENT ISSUES - One Semester**

**Course No. 2320**  
**(1/2 Credit)**

**Prerequisite:** None

**Grade Level:** 10 - 12

**Career Pathways:** All Career Pathways.

**Description:** In this course students will explore the issues that dominate our nation state, and local communities. Possible topics will include race relations, terrorism, government spending and the economy. The goal of this course is for students to become more productive and informed citizens and consumers in our ever-changing society.



## HEALTH AND PHYSICAL EDUCATION DEPARTMENT

<i>ONE (1) CREDITS REQUIRED</i>	
<b>9<sup>th</sup> Grade</b>	<b>Health 1 (1/2 credit) AND Physical Education 2 (1/2 credit)</b>
<b>10<sup>th</sup> Grade</b>	<b>Elective(s)</b> Not Required
<b>11<sup>th</sup> Grade</b>	<b>Elective(s)</b> Not Required
<b>12<sup>th</sup> Grade</b>	<b>Elective(s)</b> Not Required
<i>ELECTIVES</i>	
<b>One Semester (1/2 Credit)</b>	
<ul style="list-style-type: none"> <li>• <b>Weight Training</b></li> </ul>	

### REQUIREMENTS FOR 9TH GRADE STUDENTS:

All freshmen will take a semester of Health and a semester of combined Gym and Swimming. The student must fulfill the requirements for each of the areas or repeat the semester.

**Note: Seniors, Juniors, and Sophomores, provided they have passed the 9<sup>th</sup> grade courses, may choose Weight Training.**

### HEALTH 1 - One Semester

**Course No. 9005  
(1/2 Credit)**

**Prerequisite:** None

**Grade Level:** 9

**Career Pathways:** Health Science, Human Services.

**Description:** The course is designed to aid students in developing a healthy attitude toward himself or herself as a person in society. The student will learn the basic information of the various units of instruction. A threefold concept; physical effect, psychological effect, and social effect, so the student can make intelligent decisions regarding the areas of reproduction, sexually transmitted diseases, drugs, and the systems of the human body.

## **PHYSICAL EDUCATION 2 - One Semester**

**Course No. 9255  
(1/2 Credit)**

**Grade Level:** 9

**Career Pathways:** Health Science, Human Services

**Description Swim:** The objective of the course is to equip the individual with basic water safety skills and knowledge in order to make him/her reasonably safe while in, on, or near the water. The learning sequence includes: physical and mental adjustment to the water, buoyancy and body position, propulsion and coordinated stroking, entries, and personal safety.

**Description: Gym:** Gym attire is necessary for daily dress, and students are encouraged to shower after class. The course includes physical fitness testing and a variety of team sports such as basketball, field hockey, football, badminton, volleyball, and baseball. Emphasis on cardiovascular fitness (running-jumping rope) and weight training (weight room).

## **WEIGHT TRAINING 1 - One Semester**

**Course No. 9885  
(1/2 Credit each semester)**

**Prerequisite:** PE 1 and PE 2

**Grade Level:** 10 – 12

**Career Pathways:** Health Sciences.

**Description:** This is a course for students with the desire to increase their muscle strength, hypertrophy, and/or endurance. Topics that will be covered in the class are proper lifting techniques for free weights and machines, weight training safety, muscles of the body, benefits of weight training, and dangers of over training. Students will leave the class with the knowledge necessary to develop an individualized weight training plan, which will help them to attain both short term and long term goals.

## **WEIGHT TRAINING 2 - One Semester**

**Course No. 9886  
(1/2 Credit each semester)**

**Prerequisite:** PE 1, PE 2, and Weight Training 1

**Grade Level:** 10 - 12

**Career Pathways:** Health Sciences

**Description:** This is a continuation of the Weight Training 1 course designed for those students who are serious about weight training. It will be an activity based course that focuses on making improvements in the areas of muscular strength, muscular endurance or both. Goal setting is also an important part of this class. Students will be assessed on improvements made over the course of the semester.

## **BUSINESS DEPARTMENT**

**PHILOSOPHY:** Many students will be involved in a business career. Every student should have knowledge of basic business skills, whether they use a word processor or balance their books at the end of the day. Every student graduating should have at least one year of business course work to be successful in any career.

### **DESKTOP PUBLISHING AND POWER POINT – One Semester**

**Course No. 4137**  
**(1/2 Credit)**

- Prerequisite:** Working knowledge of word processing skills or word processing for professionals 1.
- Grade Level:** 9 - 12
- Career Pathways:** Arts & Communication, Business, Management, Marketing & Technology, Human Services.
- Description:** Students will become familiar with a variety of computer applications including Excel, Power Point, spreadsheet programs, databases, and web design. Students will learn how to make full usage of computer systems to integrate technologies. Completion of the computer application classes will prepare students with entry skills for today's job market.

### **WEB PAGES EXTRAORDINAIRE - One Semester**

**Course No. 4136**  
**(1/2 Credit)**

- Prerequisite:** None
- Grade Level:** 11 - 12
- Career Pathways:** Business, Management, Marketing & Technology, Arts & Communications.
- Description:** This course will take you into the intriguing works of web design and development. Each lesson represents basic web and design concepts, terminology and page design. Hands-on activities then guide you as you use tools to design and create awesome looking pages with themes, active elements, marquees, forms, and tables. Upon completion, students will be able to design web pages for the business community.

### **CAREER EXPLORATION 1**

**Course No. 8826**  
**(1/2 Credit)**

- Prerequisite:** None
- Grade Level:** 9 - 12
- Career Pathways:** All Career Pathways.
- Description:** This course is designed to provide the post high school information and skills students need to succeed. The curriculum will assist the student with career and college exploration. The students will use the Career Cruising Guidance System to: explore various careers at all different education levels, research colleges/trade schools, research and apply for scholarships and financial aid. The course will also include resume writing, learning and practicing interview skills, job shadowing, and goal setting.

## ART DEPARTMENT

### INTRODUCTORY ART 1 - One Semester INTRODUCTORY ART 2 - One Semester

Course No. 7501  
Course No. 7502  
(1/2 Credit Each Semester)

**Prerequisite:** None

**Grade Level:** 9 - 12

**(Introductory Art 1 and Introductory Art 2 must be taken before a student can take any other art class)**

**Career Pathways:** Arts & Communications.

**Description:** This course is offered for the whole year to any student interested in art. Projects are designed to explore various media, specific drawing techniques and color theory. Media choices may include pencil, paint, oil and chalk pastel, papier-mache, ink or combinations thereof. Students will be exposed and discuss art from the past and present and integrate what they have learned into their own artwork. Students of all ability levels can be successful in the class.

### INTERMEDIATE ART 1 - One Semester INTERMEDIATE ART 2 - One Semester

Course No. 7605  
Course No. 7606  
(1/2 Credit Each Semester)

**Prerequisite:** Successful completion of Introductory Art 1 and 2

**Grade Level:** 9 - 12

**Career Pathways:** Arts & Communications.

**Description:** Students will take the knowledge learned in Introductory Art 1 and 2 and concentrate on more in-depth studies. Students will continue to experiment with media and begin to develop their own voice and style in their art. The skill level required for this class is more advanced.

### ADVANCED ART 3A - One semester ADVANCED ART 3B - One semester

Course No. 7640  
Course No. 7641  
(1/2 Credit Each Semester)

**Prerequisite:** Successful completion of Intermediate Art 1 and 2

**Grade Level:** 10 - 12

**Career Pathways:** Arts & Communications.

**Description:** Students. The focus of this class is on portfolio development. Students continue to build skill level and focus on in-depth studies of drawing, painting and sculpting. A unit of jewelry and metalsmithing is offered as part of the second semester of this course. Students are allowed to pursue their own interests and media as they develop independent projects of their own design. Students will be required to keep a sketchbook for this class.

**ADVANCED ART 4A - One semester**  
**ADVANCED ART 4B - One semester**

**Course No. 7710**  
**Course No. 7711**  
**(1/2 Credit Each Semester)**

**Prerequisite:** Successful completion of Advanced Art 3A and 3B

**Grade Level:** 11 - 12

**Career Pathways:** Arts & Communications.

**Description:** This class is offered to the serious art student planning a career in the arts. Students will learn through formal and informal structured activities. Students will create and learn about art processes, materials, and techniques in assembling an art portfolio. Students will create a series of assignments every marking period and write art criticism reports.

**DIGITAL PHOTOGRAPHY 1**

**Course No. 7520**  
**(1/2 credit)**

**Prerequisite:** None

**Grade Level:** 10, 11, 12

**Career Pathways:** Arts & Communications.

**Description:** This semester long course is an introduction of the aesthetics of making good images through lighting techniques and composition. Digital manipulation of images will also be taught, both for photographic correction and for photographic manipulation. Each student will develop a portfolio of images that will include a variety of themes and techniques and will reflect the student's achievement and interest. Students must have a camera, 2.0 Gig Flash Drive, and USB cord available for use on a regular basis.

**DIGITAL PHOTOGRAPHY 2**

**Course No. 7521**  
**(1/2 credit)**

**Prerequisite:** Successful completion of Digital Photography 1

**Grade Level:** 10, 11, 12

**Career Pathways:** Arts & Communications.

**Description:** During this semester long course, students will use the skills and knowledge learned in Digital Photography 1 to take part in more in-depth studies. Students will strengthen their skills of composing effective images, using Adobe Photoshop, and creating and finding meaning in images. Students must have a camera, 2.0 Gig Flash Drive, and USB cord available for use on a regular basis.

## PERFORMING ARTS DEPARTMENT

### SYMPHONY BAND 1 SYMPHONY BAND 2

Course No. 8130

Course No. 8131

(Full year class, 1/2 Credit each semester)

**Prerequisite:** Approval of the director required for admittance. Attendance at all scheduled rehearsals and performances is required for successful completion of this course. Participation in the marching band is preferred but not required.

**Grade Level:** 9 – 12

**Career Pathways:** Arts and Communication.

**Description:** The course emphasis will be placed on a high standard of musical excellence in the preparation and performance of band literature through concerts and festivals. The band provides an opportunity for instrumentalists to continue their instruction and to gain performing experience on a daily basis. Membership in this class is subject to the approval of the director and students may be asked to audition.

### CONCERT BAND 1 CONCERT BAND 2

Course No. 8101

Course No. 8102

(Full year class, ½ Credit each semester)

**Prerequisite:** Attendance all scheduled rehearsals and performances are required for successful completion of this course. Participation in marching band is preferred but not required.

**Grade Level:** 9 - 12

**Career Pathways:** Arts and Communication.

**Description:** The course emphasis will be placed on a high standard of musical excellence in the preparation and performance of band literature through concerts and festivals. The band provides an opportunity for instrumentalists to continue their instruction and to gain performing experience on a daily basis. Membership in this class is subject to the approval of the director and students may be asked to audition.

**JAZZ BAND 1**  
**JAZZ BAND 2**

**Course No. 8111**  
**Course No. 8112**  
**(Full year class, 1/2 Credit each semester)**

- Prerequisite:** Approval of the director required for admittance. Attendance at all scheduled rehearsals and performances are required for successful completion of this course.
- Grade Level:** 9 - 12
- Career Pathways:** Arts and Communication.
- Description:** This class is a performing group and there is limited enrollment. Members may be asked to audition before being admitted. This class offers students performance opportunities through the study of jazz. Enrollment is based on instructor permission only.



**CHOIR 1**  
**CHOIR 2**

**Course No. 8260**  
**Course No. 8261**  
**(Full year class, 1/2 Credit each semester)**

- Prerequisite:** Instructor approval
- Grade Level:** 9 - 12
- Career Pathways:** Arts and Communication.
- Description:** A performing vocal group open to students wishing to further explore and refine vocal skills. This class is designed for students desiring to perform at a high level of excellence and proficiency. It is open to consortium students with director approval and/or auditions.

## PRE-VOCATIONAL DEPARTMENT

### FOODS 1 - One Semester

**Course No. 7010**  
**(1/2 Credit)**

**Prerequisite:** None

**Grade Level:** 9 - 12

**Career Pathways:** Health Sciences, Human Services.

**Description:** This course is a basic introduction to the world of food including nutrition, selection and preparation of food, and meal service methods. Various principles and techniques of cookery will be taught. Good management skills and wise consumerism are emphasized.

### FOODS 2 - One Semester

**Course No. 7020**  
**(1/2 Credit)**

**Prerequisite:** Foods 1

**Grade Level:** 9 - 12

**Career Pathways:** Health Sciences, Human Services.

**Description:** This course is a continuation of Foods 1 using more advanced principles of cookery.



## VOCATIONAL DEPARTMENT

### **CAREER AND TECHNICAL EDUCATIONAL CONSORTIUM**

The Southeast Macomb Career and Technical Educational Consortium is a cooperative effort between your high school and nearby high schools. This effort makes available a broad base of technical training programs in the areas of Business Service, Health & Human Services, Marketing & Sales, and Applied Technology. These programs offer enhanced opportunities for students to meet their career training and educational goals.

The programs described are designed to provide relevant technical skill training for students which will provide advanced entry into occupations and/or prepare students for related post-secondary education. These programs may be available in your high school or in a school nearby. Transportation is available to all off-campus locations.

In addition, options in work experience and/or cooperative education may be available to qualifying students. Placements are made under the guidelines and policies of the resident school district.

DISCLAIMER: The cooperative programs schedule is always subject to economic and other factors which may impact any or all of the three districts. It must be realized that courses listed in this course offering book may, in fact, not be offered in a given year.

## VOCATIONAL BUSINESS

**MARKETING and MARKETING LAB 1 - Two hour block**  
**MARKETING and MARKETING LAB 2 - Two hour block**

**Course No. 4231, Lab No. 4236**  
**Course No. 4232, Lab No. 4237**  
**(1 Credit each semester)**

**Prerequisite:** None

**Grade Level:** 12

**Career Pathways:** Business, Management, Marketing & Technology.

**Description:** Marketing 1-2 is a two-hour block -- one hour theory and one hour laboratory. The theory (classroom) includes a study of the many areas of marketing such as buying, selling, distribution, advertising, displays, inventory control, organization of a store, and personal qualities for success. The laboratory hour includes all the operations necessary to run the school store.

**BUSINESS MANAGEMENT TECHNOLOGY 1B - Two hour block**  
**BUSINESS MANAGEMENT TECHNOLOGY 1B - Two hour block**

**Course No: 4263**  
**Course No: 4264**  
**(1 Credit each semester)**

**TAUGHT AT LAKE SHORE HIGH SCHOOL**

**Recommendation:** Knowledge of keyboard and Microsoft Office components, completion of previous business course.

**Grade Level:** 11, 12

**Career Pathways:** Business, Management, Marketing & Technology.

**Key Points:** Beginning, intermediate, and advanced concepts of Microsoft Office  
Introduction to concepts of Microsoft Publisher and other business applications  
Office/career communication skills  
Microsoft Office Specialist

**Description:** Upon completion of this two-year program, students will be prepared to take the Microsoft Office Specialist certification exam. Special/advanced projects, job-shadowing opportunities, web page development, community workplace partnerships, career development projects, and articulation agreements are available.



**BUSINESS MANAGEMENT TECHNOLOGY 2A - Two hour block**  
**BUSINESS MANAGEMENT TECHNOLOGY 2B – Two hour block**

**Course No: 4265**  
**Course No: 4266**  
**(1 Credit each semester)**

**TAUGHT AT LAKE SHORE HIGH SCHOOL**

**Grade Level:** 12

**Pre-Requisite:** Successful completion of Business Management Technology 1

**Key Points:** Same as Business Management Technology 1

**Description:** Selected students may enter a cooperative education placement job shadowing or job partnerships. Articulation agreement aligned with Baker College.

## VOCATIONAL HEALTH & HUMAN SERVICES

**HOSPITALITY & CULINARY ARTS 1A - Two hour block, year 1**  
**HOSPITALITY & CULINARY ARTS 1B - Two hour block, year 1**

**Course No. 7141**  
**Course No. 7142**  
**(1 Credit each semester)**

**Prerequisite:** Foods I & II and instructor approval.

**Grade Level:** 11 - 12

**Career Pathways:** Business, Management, Marketing and Technology, Human Services.

**Description:** See below

2 HOUR BLOCK	
Food Service	Lodging/Travel Tourism
LEVEL I	

**HOSPITALITY & CULINARY ARTS 2A - Two hour block, year 2**  
**HOSPITALITY & CULINARY ARTS 2B - Two hour block, year 2**

**Course No. 7146**  
**Course No. 7147**  
**(1 Credit each semester)**

YEAR 2 -- 2 HOUR BLOCK	
Food Service	Lodging/Travel Tourism
LEVEL II	

**Prerequisite:** Completion of Culinary Arts 1A and 1B

**Grade Level:** 11 - 12

**Career Pathways:** Business, Management, Marketing and Technology.

**Description:** The Hospitality and Culinary Arts course is a full year program offered in a two year sequence for juniors and seniors. This course is a great opportunity for students who have an interest in the culinary field. Students will be exposed to career options in restaurants, hotel operations, and many other food service facilities. This course is designed to prepare students for college courses in Culinary Arts and Hospitality and entry level positions in the food service industry. A student operated public restaurant offers "hands-on" work experience for students to learn food preparation, customer service, and restaurant techniques. Students will be enrolled in a two hour block class. Second year students may be enrolled for the advanced portion of this program. Students seeking externship placement in hospitality occupations are required to be in the course concurrently with their externship experience.

**MEDICAL CAREERS 1 - Two hour block**  
**MEDICAL CAREERS 2 - Two hour block**

**Course No. 8653**  
**Course No. 8654**  
**(1 Credit each semester)**

**TAUGHT AT LAKE SHORE HIGH SCHOOL**

**Prerequisite:** None

**Grade Level:** 11, 12

**Career Pathways:** Health Sciences, Human Services.

**Description:** This course is designed for students who will be pursuing a career in physical therapy, occupational therapy, medical careers, education and licensure requirements. Articulation agreement aligned with Baker College and Ferris State University.

**Topics include:**

- ◆ Reading and understanding of vital signs
- ◆ Universal precautions
- ◆ Asepsis and sterilization techniques
- ◆ Cardio and respiratory systems
- ◆ CPR
- ◆ First Aid
- ◆ Musculo-skeletal systems
- ◆ Medical terminology

**DENTAL CAREERS 1A - Two hour block**  
**DENTAL CAREERS 1B – Two hour block**

**Course No: 8601**  
**Course No: 8602**  
**(1 Credit each semester)**

**TAUGHT AT LAKE SHORE HIGH SCHOOL**

**Prerequisite:** None

**Grade Level:** 11, 12

**Career Pathways:** Health Sciences, Human Services.

**Description:** This course prepares students for employment as a dental assistant. This course is also recommended for students who may be pursuing a career as a dental hygienist, dental lab tech, or dentist. Articulation agreement aligned with Ferris State University.

**Topics include:**

- ◆ Dental terminology
- ◆ Dental anatomy
- ◆ Charting oral conditions and interpreting charted information
- ◆ Sterilization of instruments and universal precautions
- ◆ Mixing dental materials
- ◆ Mounting dental radiographs
- ◆ Identifying, set-up and passing of instruments

**DENTAL CAREERS 2A - Two hour block**  
**DENTAL CAREERS 2B – Two hour block**

**Course No. 8603**  
**Course No: 8604**  
**(1 Credit each semester)**

**Prerequisite:** Successful completion of Dental Assisting 1 and teacher placement with a B or better

**Grade Level:** 12

**Description:** Second year students will learn dental receptionist skills, first aid, CPR, dental laboratory skills, and working with stone wax and mouth guard material.

**CHILD CARE 1 - Two hour block**  
**CHILD CARE 2 - Two hour block**

**Course No. 8626**  
**Course No. 8627**  
**(1 Credit each semester)**

**TAUGHT AT LAKEVIEW'S GREENWOOD SCHOOL**

**Prerequisite:** Home and Personal Planning, Tuberculin Test, Physical Examination and instructor approval.

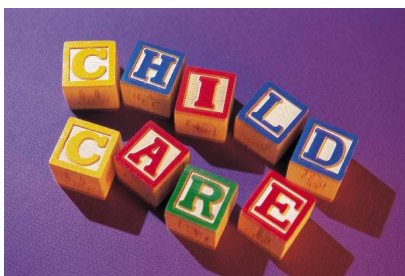
**Grade Level:** 11, 12

**Career Pathways:** Human Services

**Description:** Students will be trained in the knowledge of child development and direct care of children ages 2-1/2 through 7 years. In addition, students will supervise children's activities, and develop skills necessary for today's job market. Students will understand:

- ◆ Child growth and development
- ◆ Study of the social, emotional, intellectual and physical development of children.
- ◆ Development of positive guidance and discipline techniques
- ◆ Plan and select materials and activities suitable for preschool children.
- ◆ Observe and work with preschool children under the supervision of the child care program director.

Qualified students may be placed in child care centers as paid child care aides under a cooperative education agreement, and may be certified as a child care aide.



**COSMETOLOGY 1A - Three and one half hour block**  
**COSMETOLOGY 1B - Three and one half hour block**

**Course No. 7251**  
**Course No. 7252**  
**(2 Credits each semester)**

**TAUGHT AT WARREN WOODS TOWER**

**Prerequisite:** None

**Grade Level:** 11-12

**Career Pathways:** Business, Management, Marketing and Technology, Human Services.

Cosmetology is a State certified program that covers two years of comprehensive and involved instruction. The curriculum is set up by the Michigan State Licensing Board of Cosmetology and covers all areas of cosmetology, theory and skill training. Upon completion of this course of instruction, the student is eligible to take the State Cosmetology examination for licensing (must be 17 years old). Once the student is licensed, they will be able to work in a salon in the State of Michigan.

The Cosmetology program covers a two-year period and requires the completion of 1500 clock hours of training. Seniors will be allowed to enter Cosmetology 1 on an availability basis only. During the regular school year, students will attend 3.5 hours per day. They will attend Monday through Friday either the morning session from 6:45 to 10:30 a.m. or the afternoon session from 11:45 to 3:15 p.m.

Students will be required to spend an additional fourteen (14) days before the school year begins and fourteen (14) days at the end of the school year. This is required in the junior and senior year to complete the required 1500 clock hours of training in the two-year program. Days and times will be determined on a year-to-year basis according to the school year calendar.



**COSMETOLOGY 1A - Three and one half hour block**  
**COSMETOLOGY 1B - Three and one half hour block**

**Course No. 7351**  
**Course No. 7352**  
**(2 Credits each semester)**

**Prerequisite:** Successful completion of Cosmetology 1A and 1B

**Grade Level:** 12

**Career Pathways:** Business, Management, Marketing and Technology.

**Description** Cosmetology 2 is the second year of the two-year Cosmetology program.

**LAW ENFORCEMENT 1**  
**LAW ENFORCEMENT 2**

**Course No. 8610**  
**Course No. 8611**  
**(1 Credit each semester)**

**TAUGHT AT EAST DETROIT HIGH SCHOOL**

**Prerequisite:** Submit a written application form,  
Personal Interview by instructor  
Two teacher recommendations  
An overall grade point average of “C” or better

**Grade Level:** 11, 12

**Career Pathways:** Human Services

**Description:** This course will help prepare students to perform the duties of police and public security officers, criminal investigator, federal marshal, police detective, evidence technician and other careers in this area. Students will learn basic skills such as patrol and investigative activities, traffic control, crowd control and public relations, witness interviewing, evidence collection and management, basic crime prevention methods, equipment operation and maintenance, report preparation, and other routine law enforcement responsibilities. Through field trips and internships, students will have the opportunity to witness how these duties are performed by actual law enforcement professionals.

**EMERGENCY MEDICAL SERVICE 1**  
**EMERGENCY MEDICAL SERVICE 2**

**Course No. 8640**  
**Course No. 8641**  
**(1 Credit each semester)**

**TAUGHT AT CENTER LINE HIGH SCHOOL**

**Prerequisite:** “B” average in Biology is recommended. Students must submit an application and be accepted to take the class

**Grade Level:** 11, 12

**Career Pathways:** Human Services

**Description:** This class is designed for students seriously interested in medicine-specifically emergency medicine. Students enrolled in this program will receive instruction in the fields of pre-hospital and emergency medical training. This program is an intense study of the human body and the treatment required outside the hospital setting. Students will receive intensive hands-on instruction in anatomy and physiology, emergency first aid, bleeding control, shock, cardiac arrest management, airway management, and patient treatment at accident scenes. Classroom study and hands-on practicals will challenge the student both academically and physically. Upon successful complete of the program through written, practical, and clinical performance objectives established by the Michigan Department of Consumer & Industry Services, students will be able to take the EMT-Basic state-licensing exam to become an Emergency Medical Technician (EMT). Students will be required to do clinical training in a hospital emergency room and in ambulance service.

## **EMERGENCY MEDICAL SERVICE 1 and 2 – Continued**

### **Requirements to Pass Course:**

- ◆ The student must have completed the course written exams with a 75% average or better.
- ◆ The student must have “passed” all the required skill sheets
- ◆ The student must have completed a minimum of 32 clinical hours.
- ◆ Upon completing the requirements to pass the course based on the registry requirements the student will receive a licensure application and a letter of successful completion.

### **Items to be graded during the course are as follows:**

- ◆ Classroom participation (discussion)
- ◆ Classroom participation (hands-on)
- ◆ Skill sheets
- ◆ Homework
- ◆ Extra Credit
- ◆ Quizzes
- ◆ The above items will be factored into the final grade but are not counted in the 75%<sup>^</sup> average required to take the National Registry Exam
- ◆ Tests

## **VOCATIONAL APPLIED TECHNOLOGY**

### **SOUTH LAKE AUTO TECHNOLOGY**

The goal of the South Lake Auto Technology Program is to provide students with the necessary entry-level skills to allow them entry into the automotive repair industry. Through articulation agreements, the Auto Technology Program encourages students to continue their education after completion of the program. The Auto Technology Program is a two year, two period per day block class, which meets five days per week.

The curriculum is consistent with current industry standards, following the National Automotive Technicians Education Foundation (NATEF) standards. NATEF is the only sanctioned certification program approved by the State of Michigan Department of Education.

The course curriculum consists of theory and service in four automotive repair areas. The four repair areas are:

- ◆ Brakes
- ◆ Electrical
- ◆ Steering & Suspension
- ◆ Engine Performance

The class is on a rotational schedule, one year suspension, steering and electronics will be covered, the other year engine performance and brakes will be covered.

The students may achieve NATEF certification in Brakes, Electrical, Engine Performance, and Steering & Suspension. Completion of the NATEF Program in Brakes, Electrical, Engine Performance, or Steering & Suspension will allow a student to earn college credits. Articulation agreements with Ferris State University and Macomb County Community College, award the student who has successfully completed the NATEF Program(s) with college credit.

**AUTOMOTIVE BRAKES AND ENGINES A - Two hour block**  
**AUTOMOTIVE BRAKES AND ENGINES B - Two hour block**

**Course No. 6221**  
**Course No. 6222**  
**(1 Credit each semester)**

**Prerequisite:** None

**Grade Level:** 10 - 12

**Career Pathways:** Engineering/Manufacturing and Industrial Technology

**Description:** This is a two-hour class, which provides a course in automotive theory in the areas of brakes and engine performance. As the year progresses, students will begin to inspect, repair, troubleshoot, and replace components on vehicles.

**AUTOMOTIVE ELECTRONICS AND SUSPENSION A - Two hour block**  
**AUTOMOTIVE ELECTRONICS AND SUSPENSION B - Two hour block**

**Course No. 6321**  
**Course No. 6322**  
**(1 Credit each semester)**

**Prerequisite:** None

**Grade Level:** 10 - 12

**Career Pathways:** Engineering/Manufacturing and Industrial Technology

**Description:** This two-hour class, which provides a course in automotive theory in the areas of electronics, suspension, and steering. As the year progresses, students will begin to inspect, repair, troubleshoot, and replace components on vehicles.

**MANUFACTURING CAREERS & TECHNOLOGY 1A - Two hour block**  
**MANUFACTURING CAREERS & TECHNOLOGY 1B – Two hour block**

**Course No: 6503**  
**Course No: 6504**  
**(1 Credit each semester)**

**TAUGHT AT LAKE SHORE HIGH SCHOOL**

**Prerequisite:** Recommend a B or better in Introduction to Manufacturing Process: Machining, C or better in Algebra 1 or Geometry.

**Grade Level:** 11, 12

**Career Pathways:** Engineering/Manufacturing & Industrial Technology.

**Description:** The purpose of this course is to provide students the knowledge and skills that will apply to a career in industrial manufacturing. Mathematics will be used extensively in this course

**Topics/Key points:** Proper usage of tools and machines  
Maintenance  
Blueprint reading  
Prototype development: planning, drafting, measuring, layout, machining, assembly  
CNC programming  
Welding: oxy-acetylene, MIG TIG, Soldering  
Machine shop safety

**MANUFACTURING CAREERS AND TECHNOLOGY 2A - Two hour block**  
**MANUFACTURING CAREERS AND TECHNOLOGY 2B - Two hour block**

**Course No: 6505**  
**Course No: 6506**  
**(1 credit each semester)**

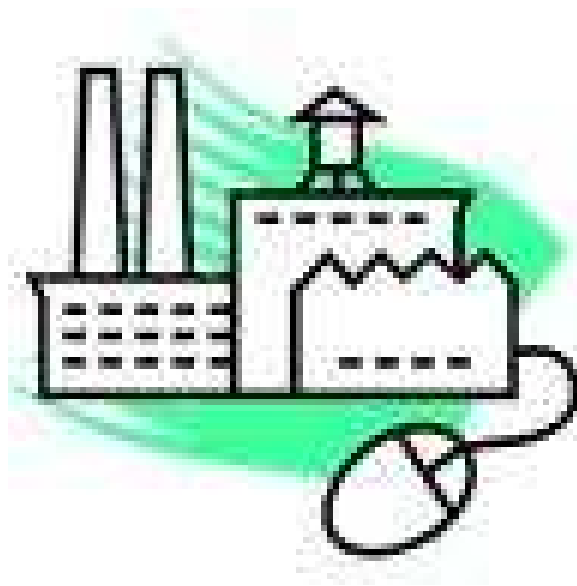
**Grade level:** 12

**Recommendation:** B or better in Manufacturing Technology I

**Description:** This course is a continuation of Manufacturing Technology I. Mathematics will be used extensively in this course.

**Topics/Key points:**

- ◆ Mass production
- ◆ Manufacturing skills: electronics, hydraulics, pipefitting, mechanics, pneumatics
- ◆ Supervising skills: quality control, leadership, planning, project development



# VOCATIONAL APPLIED TECHNOLOGY

**CTE DESIGN STUDIO 1A - TWO HOUR BLOCK**  
**CTE DESIGN STUDIO 1B – TWO HOUR BLOCK**

**Course No: 6423**  
**Course No: 6424**  
**(2 semesters, 2 credits)**

## TAUGHT AT LAKE SHORE HIGH SCHOOL

**Grade level:** 11 – 12

**Career Pathways:** Business, Management, Marketing & Technology

**Prerequisite:** Intro to Engineering Design and/or Intro to Architectural Design

### **Topics/Key points:**

**Mechanical:** Multi-views, auxiliary views, sections views, isometric drawings, micrometer and caliper reading

**Architectural:** Floor plans, elevations, section drawings, roof plans, site plans, 3-D model construction, landscaping plans, drawing revisionment

**Interior:** Floor plans, elevations, roof plans, 3 D model construction, elements of design, faux finishing, furniture and home styles, furniture refinishing, furniture design and wallpaper hanging.

This full year, two-hour block, class features three careers to choose from. This course is designed for someone pursuing a career in architectural design, mechanical engineering, vehicle or interior design.

**Mechanical:** Students will create presentation drawings and master skills through various projects, including the roller coaster project and RC car building. Students will be introduced to CATIA, CNC programming and vehicle design.

**Architectural:** Students will learn how to create presentation drawings and construct 3-D models through various projects including the winter village project. Students will be introduced to landscape design, commercial architecture and Architectural AutoCAD software.

**Interior:** Students will learn how to create professional presentation sketches and drawings and construct 3-D models through various projects including the winter village project, furniture refinishing and 3-D interior rooms. Students will be introduced to Architectural Auto CAD software and EZ Home Decorator.

**TAUGHT AT LAKE SHORE HIGH SCHOOL**

**Grade level:** 12

**Prerequisite:** Successful completion of Drafting & Design I

**Vehicle Design:** Automotive history, design styles, mechanics, descriptive geometry, body design layouts, presentation skills, presentation drawings, automotive marketing and finance.

**Advanced Architectural:** Floor plans, elevations, HVAC plans, electrical plans, site plans, section drawings, details, door and window, schedules, and presentation drawing.

**Interior:** Floor plans, elevations, roof plans, 3-D model construction, client consulting, cost estimating, presentation layouts and presentation skills.

**Vehicle Design:** Students study the three areas of the vehicle design industry: design, engineering, and art studio work. Students will learn how an automobile/engine works through various projects including a 3-D engine model and Build Your Dream Vehicle competition. Students will continue to use the CATIA and prepare for careers in the automotive design fields.

**Advanced Architectural:** Students will continue to develop their skills creating hand drawn presentations and constructing 3-D houses from balsa wood. Each student will take part in the winter village and miniature house projects. This course will help students for careers in the architectural field.

**Interior Design:** Students will redesign and create presentation boards complete with color, fabric swatches, sketches, and rendering for a client's room. After presenting, they will create the room in reality. Students will also take part in the miniature house group project. This class will help prepare students for careers in the interior design field.



**ELECTRONICS 1A - Two hour block - First year**  
**ELECTRONICS 1B - Two hour block - First year**  
**ELECTRONICS 2A - Two hour block - Second year**  
**ELECTRONICS 2B - Two hour block - Second year**

**Course No. 6056**  
**Course No. 6057**  
**Course No. 6058**  
**Course No. 6059**

**(1 Credit each semester)**

**TAUGHT AT LAKEVIEW HIGH SCHOOL**

**Prerequisite:** None

**Grade Level:** 11 - 12

**Career Pathways:** Engineering/Manufacturing & Industrial Technology.

**Description:** The class is vocational oriented and will cover entry-level skills required for careers in computer repair, electrical apprentice, electronic technician/engineering and home appliance repair. Approximately 55% of classroom time will be spent in the laboratory wiring circuits and using "state of the art" electronic measurement tools. Some instructional units taught are electrical history, resume, job search, soldering, electron theory, scientific notation, DC & AC circuits, trouble shooting, PC board layout and construction, OHM's Law, Kirchoff's law, Thevenin's theorem, meter and oscilloscope use, and basic residential NEC/wiring. Projects are used to reinforce the learning concepts and theory. Textbooks, laboratory workbooks and computer software materials are from the Heathkit Educational Series.

Second year students will cover AC and semiconductor circuits, laboratory instructional projects including a power supply, sound continuity tester, AM/FM radio, sonic robot, touch control switch, surface mount, soldering, digit volt meter, and telephone kit.



## INTRODUCTION TO TELEVISION AND RADIO BROADCASTING

Course No. 8618  
(1 semester, 1/2 credit)

### TAUGHT AT LAKE SHORE HIGH SCHOOL

**Prerequisite:** None

**Grade Level:** 9, 10, 11, 12

**Career Pathways:** Arts & Communications

**Description:** Students will gain an overview of a functioning television production system, the major pieces of television equipment, and the operation and function of production personnel.

**Topics/Key points:**

- ◆ Equipment/technical skills
- ◆ Production duties and responsibilities
- ◆ Staff positions/chain of command
- ◆ Teamwork skills
- ◆ Vocabulary/technical talk

## TELEVISION AND RADIO BROADCASTING 1A – Two hour block

Course No. 8620

## TELEVISION AND RADIO BROADCASTING 1B – Two hour block

Course No. 8621

(2 semesters, 2 credits)

### TAUGHT AT LAKE SHORE HIGH SCHOOL

**Prerequisite:** Introduction to Television and Radio Broadcasting

**Grade Level:** 11, 12

**Career Pathways:** Arts & Communications

**Description:** Students will study and develop techniques and disciplines of television production, as well as improve communications skills. Students will have the opportunity to produce videos for the school and community. The focus will be on performance, script writing and technical skills as they relate to news broadcasting. Students will investigate, research, write and report news stories

**Topics/Key points:**

- ◆ Script writing, story boarding, edit shot list
- ◆ Styles of video
- ◆ Pre-production, production, post-production phases
- ◆ Camera operations
- ◆ Editing techniques
- ◆ Studio productions
- ◆ Special effects
- ◆ Graphic designs

**TELEVISION AND RADIO BROADCASTING 2A – Two hour block**  
**TELEVISION AND RADIO BROADCASTING 2B – Two hour block**

**Course No. 8622**  
**Course No. 8623**  
**(2 semesters, 2 credits)**

**TAUGHT AT LAKE SHORE HIGH SCHOOL**

**Prerequisite:** Successful completion of Television and Radio Broadcasting 1A and 1B with a B or better.

**Grade Level:** 12

**Career Pathways:** Arts & Communications

**Description:** This course is a continuation of Television and Radio Broadcasting 1. Students will study and develop techniques and disciplines of television production, as well as improve communications skills. Students will have the opportunity to produce videos for the school and community. The focus will be on performance, script writing and technical skills as they relate to news broadcasting. Students will investigate, research, write and report news stories

**Topics/Key points:**

- ◆ Script writing, story boarding, edit shot list
- ◆ Styles of video
- ◆ Pre-production, production, post-production phases
- ◆ Camera operations
- ◆ Editing techniques
- ◆ Studio productions
- ◆ Special effects
- ◆ Graphic designs



**OTHER PROGRAMS**

**SPECIAL SERVICES**

South Lake Schools support auxiliary service programs to assist students and parents with specialized problems. Special personnel include the following:

- |  |                      |
|--|----------------------|
| Social Worker                              | Police Liaison       |
| Speech Consultant                          | At-Risk Tutors       |
| Psychologist                               | At-Risk Intervention |
| Diagnostician (Individual student testing) | Teacher Counselor    |
| Special Education Teachers                 |                      |