

**Romulus Community Schools**

# **Course Description Guide and Graduation Requirements**



**2014-2015**

# **GRADUATION REQUIREMENTS**

## **Classes 2015-2018**

**Credit Requirements** - The classes of 2015-2018 must successfully earn minimum required units of credit. All students are encouraged to exceed these minimum requirements.

### **Minimum Requirements**

Class of 2015- 2018 – 27.5 credits

### **Course Requirements**

English	4 credits
Mathematics	4 credits
Science	3 credits
Social Studies	3 credits
P.E. / Health	1 credit
Visual, Performing, Applied Arts	1 credit
Integrated Technology	½ credit
Foreign Language	2 credits (only for the class of 2016 & beyond)

***Taking the Michigan Merit Exam is a requirement for graduation.***

*“In compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, the Americans with Disability Act of 1990, and the Elliot-Larsen Civil Rights Act of 1977, it is the policy of the Romulus Community Schools that no person shall, on the basis of race, color, religion, national origin or ancestry, gender, age, disability, height, weight, or marital status be excluded from participation in, be denied the benefits of, or be subjected to discrimination during any program, activity, service or in employment. For information, contact Human Resource Office, 36540 Grant Road, Romulus, MI 48174 (734) 532-1662.”*

## ***Only for Career/Technical Education and Fine Arts Students***

### ***Mathematics Requirements: 4 credits***

Required:	1 credit freshman year	Algebra 1
	1 credit sophomore year	Geometry
	1 credit junior year	Algebra II
	1 credit senior year	Math Elective – Pre Calculus, Statistics, Math Applications

### ***Science Requirements: 3 credits***

Required:	1 credit freshman year	Physical Science or Biology
	1 credit sophomore	Biology/Physical Science or Chemistry
	1 credit junior year	Chemistry or Physics

### ***English Requirements: 4 credits***

Required:	1 credit freshman year	English 9
	1 credit sophomore year	English 10
	1 credit junior year	English 11
	1 credit senior year	English 12

### ***Social Studies Requirements: 3 credits***

Required:	1 credit freshman year	U.S. History and Geography
	1 credit sophomore year	World History & Geography
	½ credit sophomore year	Federal Government
	½ credit junior year	Economics

## ***Common Requirements***

- ***Time requirements***

Each student shall participate in the Senior High School program for at least twelve trimesters.

- ***Participants in Graduation***

Participants in commencement and other graduation exercises must have completed all requirements by June of their senior year. Seniors that have failed to meet the requirements of graduation by 1 credit will be allowed to participate in graduation provided they have enrolled and paid for the class (es) in summer school.

- ***Number of Classes***

Each student shall be registered each trimester for a minimum of five periods of instruction per day.

- ***Unit of Credit***

All one-period classes will be given the same credit of one-half (1/2) credit per trimester. Students enrolled in Career/Technical programs for two or more period blocks will earn the following:

Yearlong courses of a single block period are 1.5 credits per year

Courses of two period blocks 3 credits per year

Courses of three periods blocks 4.5 credits per year

- ***Advanced Placement (A.P.) Classes***

All students taking A.P. classes will have the option of taking the A.P. tests. Students must pay for the A.P. Testing. There are no reimbursements for Test.

- ***Transfer of Credit from other Educational Agencies***

- Credit will be accepted only from an accredited high school or agency recognized by the State of Michigan.
- Students may not receive credit for taking and passing the same class twice.
- Credit for all classes will be granted on a trimester basis.
- Only those students who have failed required classes and/or are deficient in credits will be permitted to enroll in Adult Education for transfer of credits to Romulus High School. Since Adult Education will not be used to accelerate graduation, acceptance of credits will be limited to seniors.
- Seniors who are deficient in credits must request prior approval from their counselor to enroll in adult classes. The request will specify the number of credits and which requirements for graduation are being fulfilled by the class in Adult Education.
- Classes taken in Adult Education may not be a duplicate of classes that the student is currently enrolled or has previously taken and received credit.

- Classes taken in Adult Education or Summer School that are considered enrichment classes will not be accepted for credit.
- Credit for required courses will only be given for Adult Education classes if the student has taken the class and failed it previously. Credit will only be given for Adult Education classes that are offered in the regular school day curriculum and are a part of the student's four-year plan.
- ***Transfer Students***
  - Class requirements and credits are handled on an individual basis for transfer students. Transfer students are required to earn the same number of credits as Romulus students. They are also required to take all the Romulus High School required subjects.
  - Students may not take two math and/or English classes concurrently in the same trimester without permission from counselor and administration.
  - Transfer students are required to attend Romulus Senior High School for at least one full school year in order to receive a diploma from Romulus High School.
- ***Dual Enrollment- NEED TO UPDATE***
  - The 1991-92 State School Aid Act requires local school districts to use funds allocated by this Act to pay the tuition and fees of a high school senior attending a public or private *degree-granting* post-secondary institution when certain conditions are met.
  - Post-secondary institutions will be responsible for billing the local districts for the eligible students dually enrolled at their institution. Districts will submit the names of eligible students.
  - The pupil must be a high school junior who took the PLAN in 10<sup>th</sup> grade, met the State's cut scores, and would need 13 credits in the fall of their junior year to graduate or a senior who would need 8 ½ or fewer credits to graduate.
  - The pupil must also be enrolled in the post-secondary institution for a maximum of one course per term or trimester during the district's regular academic year.
  - The district must not offer the post-secondary courses for which state school aid funds are used.
  - Payments made by districts will be determined by the amount of either Section 21(1) funds the district receives per pupil, per trimester, and the proportion of time the pupil is attending classes in the district and at the postsecondary institution.
  - The post-secondary institution will bill the district; the pupil is responsible for any balance of funds due.
  - In the event the pupil does not complete a course, the postsecondary institution is required to return to the district any funds that are refundable.

## ***Testing Out***

Romulus High School students are allowed the opportunity to "test out" of trimester/two-trimester courses. To test out of first-trimester classes, forms must be completed and returned to the guidance counselor by June 6. To test out of second trimester classes, forms must be completed and returned by November 1; and to test out of third trimester classes, forms must be completed and returned by February 1. Students may not "test out" of a class in which they are already enrolled.

## ***Schedule Changes***

The only reasons students are permitted to change their schedules are ***failure in a previous class in a sequence, scheduling errors or assignment to a class not requested. Almost all other requests are refused.*** Students who need to have their schedules adjusted should report to their counselors on the first day of the new trimester. Students must follow their old schedules even if they are wrong, until they receive official notification that their schedules have changed. Upon receipt of official notification signed by the counselor, the student is to report to his new class.

## ***Dropping Classes***

Students are discouraged from dropping classes after the new trimester has begun. Parent-teacher contact must be made prior to dropping a class. Students who drop a course after the third week will be given an "E" in that course. Exceptions to this must have the approval of the principal.

## ***Choosing Classes***

Once a year students select their classes during conference with their counselors. Usually students select classes that they have listed in their four-year plan, but occasionally adjustments have to be made because of failure or change of interest. Students should exercise the greatest caution in selecting their classes because changes are not permitted except for unusually good reasons.

# ***EDUCATIONAL GUIDELINES***

## ***Philosophy of the Guidance Department***

The Guidance Department of Romulus Senior High School believes that its most important function is to assist students in finding where best to obtain equal opportunity within the school system and to assist students to maximize their potential through those opportunities. The Guidance Department believes that it must accomplish this task without regard for race, sex, religion, national origin, language or physical or mental handicap. In carrying out its functions, the Guidance Department believes its role is to:

- Assist students to assume responsibility for their own decisions and subsequent behavior.
- Assist students to discover and identify their own uniqueness--their own needs, abilities and aspirations.
- Assist students in making responsible decisions about educational courses and programs that will meet their needs, develop their abilities and which will lead toward the fulfillment of their aspirations.
- Assist students to implement their decisions by facilitating matriculation to, or enrollment into, chosen programs, courses, or services.
- Identify the need for the development of additional courses, school programs, or services that will meet the changing needs of students in a changing society.

- Assist students to maximize their academic potential, talents and interests by helping them develop healthy personalities, and positive peer, family and school relationships. The Guidance Department believes that personal, peer, family concerns, or concerns regarding school personnel, make it difficult for many students to take advantage of, or to concentrate on, learning opportunities. The Guidance Department believes that such students must be helped to cope with, or to change, the obstacles to learning so that opportunities can be gained and potential, talents and interests maximized.

## ***GUIDANCE COUNSELORS***

Counselors are available to parents and students. We meet with each student to review and discuss his/her selections. Parents are encouraged to communicate freely with the counselors to review the student's test performance, long range goals, plans for higher education, social and academic adjustments, or the appropriateness of their course selections.

Students are assigned by the first letter of their last name:

A-Z 9 <sup>th</sup>	Latanja Lilly	532-1024
A-G 10 <sup>th</sup> -12 <sup>th</sup>	Shannon Franklin	532-1023
H-O 10 <sup>th</sup> - 12 <sup>th</sup>	Susan Moore	532-1025
P-Z 10 <sup>th</sup> - 12 <sup>th</sup>	Liza Mockeridge	532-1022

## ***Testing Program***

### ***Internal Testing***

NWEA – 9<sup>th</sup> & 10<sup>th</sup>

PLAN (PACT) – 10<sup>th</sup> grade

PSAT/NMSQT (*Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test*) 11<sup>th</sup> grade

MME (*Michigan Merit Exam*) – 11<sup>th</sup> grade

A.P. – 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grade

### ***External Testing***

SAT (Scholastic Aptitude Test)

## *College Preparatory Guidelines*

### **9<sup>th</sup> Grade**

English 9	1 unit
Honors English 9	1 unit
Algebra I or Geometry	1 unit
Physical Science or Biology	1 unit
World History & Geography	1 unit
Foreign Language	1 unit
Integrated Technology	½ unit
Physical Education or Band	½ unit
Health	½ unit

### **10<sup>th</sup> Grade**

English 10	1 unit
Honors English 10	1 unit
Geometry or Algebra II	1 unit
Physical Science or Biology	1 unit
US History & Geography or AP US History	1 unit
Foreign Language I or II	1 unit
Federal Government or AP Federal Government	1 unit

### **9<sup>th</sup> and 10<sup>th</sup> Grade Recommended Electives**

Accounting	1 unit
Foreign Language	1 unit
Contemporary Writing	1 ½ units
Intro to Engineering Design (CAD I)	1 unit
CAD	1 unit
Band	1 ½ units
Digital Electronics	1 unit
Adobe Illustrator	½ unit
Entrepreneurship I	½ unit
Music Appreciation	½ unit
Art Foundation	½ unit
Art & Logic	½ unit
Drawing I & II	½ unit
Painting / Drawing	½ unit
Computer Applications	½ unit
Computer Applications II	½ unit

### **11<sup>th</sup> Grade**

English 11	1 unit
Honors English 11	1 unit
Algebra II or Pre-Calculus	1 unit
Chemistry	1 unit
Economics	1 unit
A.P. Government in lieu of Federal Government	1 ½ units
A.P. Economics in lieu of Economics	1 ½ units

### **11<sup>th</sup> Grade Recommended Electives**

Foreign Language	1 unit
Information Management	1 unit
Poetry	½ unit
African American Literature	½ unit
Band	1 ½ units
Psychology I/II	½ unit
A.P. Psychology	1 ½ units
Accounting I/II	1 unit
Desktop Publishing	½ unit
Aviation Technician 1	3 units
Internet/Web Development I and II	1 unit
Business Law	½ unit
Entrepreneurship 1 and II	½ unit
Computer Integrated Manufacturing I (CIM)	1 unit
Music Appreciation	½ unit
Art Foundation	½ unit
Art & Logic	½ unit
Drawing I & II	½ unit
Painting / Drawing	½ unit
Marketing	1 unit
Computer Applications I and II	½ unit

## 12<sup>th</sup> Grade

English 12 or A.P. English	1 unit or 1 ½ units
Pre-Calculus or A.P. Calculus	1 unit or 1 ½ units
Physics or Microbiology/ Anatomy & Physiology	1 unit
A.P. Biology	1 ½ units
A.P. Chemistry	1 ½ units
Social Studies Elective	½ unit

## 12<sup>th</sup> Grade Recommended Electives

Psychology I/II	½ unit
Poetry	½ unit
African American Literature	½ unit
Desktop Publishing	½ unit
Foreign Language (French/Spanish)	1 unit
Band	1 ½ units
Accounting I/II	1 unit
Information Management	1 unit
Yearbook	1 ½ units
Contemporary Writing	1 ½ units
Computer Integrated Manufacturing II (CIM)	1 unit
Parenting	1 unit
A.P. Federal Government	1 ½ units
A.P. Psychology	1 ½ units
Aviation Technician II	3 units
Nutrition	½ unit
Family Living	½ unit
Entrepreneurship 1 and II	½ unit
Music Appreciation	½ unit
Art Foundation	½ unit
Art & Logic	½ unit
Drawing I & II	½ unit
Painting / Drawing	½ unit
Internet / Website I and II	1 unit
Marketing	1 unit

## *Career/Technical Education/Fine Arts Guidelines*

### 9<sup>th</sup> Grade

English 9	1 unit
Algebra I	1 unit
Physical Science or Biology	1 unit
World History and Geography	1 unit
Physical Education	1 unit
Health	1 unit
Integrated Technology	½ unit

### 10<sup>th</sup> Grade

English 10	1 unit
Geometry	1 unit
Physical Science or Biology	1 unit
US History and Geography	1 unit
Career/Technical Education Class/Fine Arts	2 ½ unit

### 9<sup>th</sup> and 10<sup>th</sup> Grade Recommended Electives

Keyboarding I	½ unit
Computer Applications	½ unit
Industrial Technology	1 unit
Life Management	1 unit
Band	1 ½ units
Art	1 unit
Intro to Engineering Design (CAD I)	1 unit
CAD II	1 unit
Digital Electronics	1 unit
Basic Mechanics	1 unit
Computer Integrated Manufacturing I (CIM)	1 unit
Intro to Multi Media	½ unit
Principles of Engineering	1 unit
Music Appreciation	½ unit
Art Foundation	½ unit
Art & Logic	½ unit
Drawing I & II	½ unit
Painting / Drawing	½ unit
Adobe Illustrator	½ unit
Entrepreneurship I and II	½ unit

### 11<sup>th</sup> Grade

English 11	1 unit
Algebra II	1 unit
Chemistry	1 unit
Economics/Fed Government	1 unit
Career Technical Educational Class or Fine Arts	2 ½ units
Principles of Accounting	1 unit
Information of Management	1 unit

### **12<sup>th</sup> Grade**

English 12	1 unit
Math	1 unit
Social Studies Elective	½ unit
Career Technical Education Classes or Fine Arts	2 units
Electives	2 ½ units

### **11<sup>th</sup> and 12<sup>th</sup> Grade Recommended Electives**

Fine Arts	½ unit
Co-op (credit per trimester)	1 unit
Keyboarding	½ unit
Band	1 ½ units
Psychology I/II	½ unit
Information Management	1 unit
Life Management	1 unit
Yearbook	1 ½ units
Contemporary Writing	1 ½ units
Aviation Technician I, II	3 units
Poetry	½ unit
State/Local Government	½ unit
Internet/Website I and II	1 unit
Multi Media II	2 units
African American Literature I & II	½ unit
Principles of Engineering	1 unit
Music Appreciation	½ unit
Art Foundation	½ unit
Art & Logic	½ unit
Drawing I & II	½ unit
Painting / Drawing	½ unit
Computer Applications I & II	½ unit
Adobe Illustrator	1 unit
Marketing	1 unit
Principles of Accounting	1 unit

# ENGLISH

**ENGLISH DEPARTMENT PHILOSOPHY** - The English Department of Romulus High School offers a four-year course of study that enables students to perfect their spoken and written communication skills as well as enjoy literature in a variety of forms. Students will read classical as well as contemporary literature. Course outcomes and assessment are aligned with the content of the Michigan Merit Exam (MME).

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**Course** *English 9 - 1 credit required (1 ½ credit earned)*

Grade Level 9

Description This three-trimester course serves as an introduction to the study of high school English for ninth grade students. It combines the study of grammar, composition, speech, and literature. A variety of literary forms will be introduced. Writing assignments, including a research paper, will be completed using the writing process. Students will read Shakespeare's *Romeo and Juliet* and several novels such as *Monster, Night, The House on Mango Street, and The Odyssey*.

**Course** *Honors English 9 – 1 credit required (1 ½ credit earned)*

Prerequisite Honors 8<sup>th</sup> Grade

Grade Level 9

Description This three-trimester course serves as an introduction to the study of high school English for ninth grade students. This rigorous course is designed for serious students who are willing to challenge themselves as they study grammar, compositions, speech and literature. A variety of literary forms will be introduced. Writing assignments, including a research paper, will be completed using the writing process. Students will read Shakespeare's *Romeo and Juliet* and several novels such as *Monster, Night, The House on Mango Street, The Odyssey, and To Kill a Mockingbird*.

**Course** *English 10 - 1 credit*

Prerequisite Successful completion of English 9

Grade Level 10

Description This two-trimester course builds on the knowledge and skills developed during the previous year's study of English. It combines the study of grammar, composition, speech, and various forms of literature. Writing assignments will continue to be completed using the writing process. All students will be expected to write a research paper. Students will be required to read and discuss a variety of literary selections.

**Course** *Honors English 10 - 1 credit*

Prerequisite Successful completion of Honors English 9 or teacher recommendation

Grade Level 10

Description Honor English 10 is a continuation of the Honors English program that begins with Honors English 8 and culminates in Advanced Placement College English in the 12<sup>th</sup> grade. It is a rigorous course designed for students with a great interest and skill in studying literature and composition. Students are expected to read each night on their own. It is recommended for students who have successfully completed Honors English 9.

**Course** *English 11 - 1 credit*  
Grade Level 11  
Description This two-trimester course will offer a comprehensive study of grammar, literature, composition, and speech. Emphasis will be placed on gaining further competency in grammar, punctuation, and vocabulary. Compositions and speeches of varying lengths will be required. Students will also read short stories, plays, and poetry. Literary terms and related skills begun in grades 9 and 10 will be reviewed, while more advanced concepts will be introduced.

**Course** *Honors English 11 - 1 credit*  
Prerequisite B or better in English 10 or a recommendation from previous year's English teacher  
Grade Level 11  
Description This two-trimester course is designed for only the most serious English students who intend to take AP English in 12th grade. Students will be expected to read extensively from a prescribed list of novels, plays, and poetry that appears on the AP test. Students are expected to develop college level writing skills, to learn various literary terms, and to read and analyze prose and poetry critically.

**Course** *English 12 - 1 credit*  
Grade Level 12  
Description All 12<sup>th</sup> graders must take English 12 or A.P. English. This two-trimester course combines English instruction with practical applications in real life situations. Students will be expected to write a variety of assigned papers as well as complete a senior project. Novels will be assigned for outside reading. Communication skills necessary for success in the work environment will be stressed including gathering and communicating information, communicating with co-workers, participating in groups, and giving and following directions.

**Course** *A.P. English – 1 ½ credits*  
Prerequisite B or better in previous year's English class and recommendation from previous year's English teacher.  
Grade Level 12  
Description Advanced Placement English is an extremely rigorous composition course involving in-depth poetry and literature analysis. Students who elect to take this course should anticipate a great deal of reading as well as nightly homework assignments

**Course** *Contemporary Writing – 1 credit*  
Prerequisite C or better in previous English class or recommendation from previous year's English teacher.  
Grade Level 10, 11, 12  
Description The purpose of this class is to further develop skills in writing, news reporting, and news coverage. The students do more in-depth reporting and are involved in journalistic endeavors outside of the school. Students publish a news-magazine.

**Course** *African American Literature – ½ credit*  
Grade Level 11, 12  
Description African American Literature is a survey class in which students read, study, dramatize, interpret and compose written analyses of various literary expressions including poems, plays, novels, essays, speeches, documentaries and films by African Americans throughout American History.

<b>Course</b>	<b><i>African American Literature II – ½ credit</i></b>
Grade Level	11, 12
Description	African-American Literature allow students to study more literary works by contemporary African-American writers such as Nikki Giovanni and perhaps attend one of her readings/discussions which are frequently held at prominent Detroit area universities such as Wayne State. Thus, students could be exposed to more enrichment activities, such as a field trip to the Charles H. Wright Museum of African-American History, or the Toledo Museum of Art during one of its many tributes to the achievements of African-Americans.
<b>Course</b>	<b><i>Yearbook- 1 credit</i></b>
Grade Level	10, 11, 12
Description	Advanced journalism and yearbook production are taught. Yearbook is a class where all aspects of yearbook production are studied. Completion of the yearbook is the final product of the class, which includes photography, merchandising, copy writing and layouts. Journalism students may take this as a two-hour block class.
<b>Course</b>	<b><i>Poetry - ½ credit</i></b>
Grade Level	11, 12
Description	This one-trimester class for 11 <sup>th</sup> and 12 <sup>th</sup> grade students will consist of a writing-intensive workshop where students will be required to write, revise, share, and critique multiple forms of poetry on a daily basis. In addition to the rigorous amount of written assignments, students will study poetic dances, famous poets, conduct analyses of poetry and participate in an extended learning project combining poetry, art and social issues.
<b>Course</b>	<b><i>Independent Study - ½ credit</i></b>
Prerequisite	Submission of proposal to the Principal and approval of parent(s) and department head
Grade Level	11, 12
Description	Students may submit an independent study proposal to the principal. The proposal must state goals, strategies and outcomes. Students will be assigned a mentor, and work independently in implementing their program. Students should demonstrate ability to work with little supervision. The student will be required to produce a well-developed demonstration of the outcome at the culmination of the project.
<b>Course</b>	<b><i>Creative Writing- ½ credit</i></b>
Prerequisite	Completion of English 9
Grade Level	10, 11, 12
Description	This trimester course provides students who enjoy writing the opportunity to create a portfolio of writings that will be revised and submitted for publication. This course will cover the areas of writing poetry, short stories, and performance writing. It is a fast paced yet exciting course that allows all levels of writers to strengthen their skills.

## ***FOREIGN LANGUAGES***

The Foreign Language Department of Romulus High School provides for four years of study of Spanish or French. Students who chose to take Spanish I or French I as an academic elective should have a C+ average or better in English. It is strongly recommended that college bound students successfully complete at **least** three years of study of the **same** language before graduation.

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***Course***                    ***Spanish I- 1 credit***

Prerequisite                None

Grade Level                9, 10, 11, 12

Description                The first year course of Spanish has three objectives: to give the student an elementary knowledge of speaking, reading, and writing in Spanish in order to carry out essential functions in the target language. Through the use of skits, audio, video, reading, movies and text, the students will be introduced to the Spanish language, the countries in which Spanish is the predominant language spoken, their people, customs, and heritage. Students achieve a broad understand of the Spanish-speaking world. At the end of Spanish I students will be able to ask and answer questions in regards to personal preferences, understand basic Spanish conversations, and express themselves in writing.

***Course***                    ***Spanish II- 1 credit***

Prerequisite                A passing grade in Spanish I

Grade Level                9, 10, 11, 12

Description                This course is designed as a continuation of the basic skills learned in Spanish I. The students will become comfortable conversing in the target language in both the present and past tenses on a variety of topic. Themes include practical functions used in daily life such as healthy habits, expressing opinions on free time activities and sports, daily routines, celebrations, giving directions, ordering food in a restaurant, and complaining about chores. They will discover and analyze the Spanish speaking world and its values in relation to their own. Dynamic, multi-faceted activities will promote real world application of the language.

***Course***                    ***Spanish III- 1 credit***

Prerequisite                An above passing grade in Spanish II as well as teacher recommendation

Grade Level                9, 10, 11, 12

Description                Spanish III includes advanced grammar with emphasis upon speaking and writing, as well as reading of Spanish literature. Various topics include writing an autobiography of their childhood and presenting it along with childhood photos, use of fairy tale and science fiction vocabulary in storytelling and dramatization, reading and learning about myths, legends, and the Aztec culture. Students will continue to discover and analyze the Spanish speaking world and its values in the context of their own.

***Course***                    ***Spanish IV - 1 credit***

Prerequisite                An above average grade in Spanish III as well as a teacher recommendation

Grade Level                9, 10, 11, 12

Description                In Spanish IV a comprehensive study of all grammar structure will be implemented as students practice to achieve conversational proficiency in speaking, reading, and writing. Spanish IV students are encouraged to communicate in guided and informal discussions. A high level of oral participation in the target language is expected. Students will acquire a deeper knowledge of the Spanish –speaking world. Dynamic, multi-faceted activities will promote real world application of the language. Specific topics include ways of alleviating stress and healthy habits, global issues, Venezuelan culture and cuisine. More of an emphasis is put on art in the culture as students study Spanish speaking art, theater, and literature.

<b>Course</b>	<b><i>Spanish V- 1 credit</i></b>
Prerequisite	An above average grade in Spanish IV as well as a teacher recommendation
Grade Level	9, 10, 11, 12
Description	Spanish V will give students a chance to become more fluent in Spanish. Conversation, grammar study, and readings will be used to help students achieve a more advanced level of proficiency. Cultural studies will help student's access knowledge and skills necessary to function in a global marketplace. Employers are looking for language proficiency together with a career. This course is not designed for independent study, as conversation practice is an imperative component to proficiency.
<b>Course</b>	<b><i>French I - 1 credit</i></b>
Prerequisite	None
Grade Level	9, 10, 11, 12
Description	French I students will speak, read, write and understand elementary French. The students will become comfortable greeting each other, as well as, describing their interests, clothing, surroundings, and people. This class will also have a strong focus on francophone culture. All of these skills will be done through engaging, multifaceted activities that will promote real world application of the language. After having achieved this level, the students will be prepared to continue with more advanced courses.
<b>Course</b>	<b><i>French II - 1 credit</i></b>
Prerequisite	French I
Grade Level	9, 10, 11, 12
Description	French II is a continuation of French I. The students will build on their prior knowledge and gain an advanced understanding of Present, Future and Past tenses. Culture will again be integral to the class. The students will learn global awareness and real world application of the language. All of these skills will be done through engaging, multifaceted activities that will promote real world application of the language.
<b>Course</b>	<b><i>French III - 1 credit</i></b>
Prerequisite	French I, II
Grade Level	9, 10, 11, 12
Description	French III is a continuation of French I and II. The students will build on their grammar with an emphasis on listening, writing and speaking, as well as, reading real world pieces from the francophone world. The students will develop their ability to use more complex verbs, vocabulary, and grammatical structures. The students will be expected to find a way to dive into a cultural aspect of the francophone world.
<b>Course</b>	<b><i>French IV - 1 credit</i></b>
Prerequisite	French I, II, III and recommendation from teacher
Grade Level	9, 10, 11, 12
Description	Advanced placement French IV will give the students the ability to become more fluent in French. It will include a review of grammar structures with emphasis on perfecting speaking skills, through guided and informal discussions which will help build their skills to a more advanced level of proficiency. Francophone literature, culture and history will comprise a large part of this class through many hands on activities and lessons because employers are looking for a more globally aware applicant.
<b>Course</b>	<b><i>Independent Study - 1/2 credit</i></b>
Prerequisite	Submission of proposal to the Principal and approval of parent(s) and department head
Grade Level	11, 12
Description	Students may submit an independent study proposal to the principal. The proposal must state goals, strategies and outcomes. Students will be assigned a mentor, and work independently in implementing their program. Students should demonstrate ability to work with little supervision. The student will be required to produce a well-developed demonstration of the outcome at the culmination of the project.

## ***MATHEMATICS DEPARTMENT***

***MATH DEPARTMENT PHILOSOPHY:*** The age in which we live has increased the importance of learning mathematics. Based on research and the needs of our increasingly technological society, our curriculum must meet today's increased demands for higher order thinking skills. Our staff continues to investigate, evaluate, and incorporate textbooks, equipment, and materials judged to be the best for our school community. In this spirit, our courses stress the themes of problem solving, communication, reasoning, and mathematical connections, in a sincere belief that the student who has a firm foundation in mathematics will be prepared to meet the challenges of the 21<sup>st</sup> century.

<b>Grade</b> <i>4 HS credits required</i>	<b>9<sup>th</sup></b>	<b>10<sup>th</sup></b>	<b>11<sup>th</sup></b>	<b>12<sup>th</sup></b>
	Algebra Concepts Algebra 1-A Algebra 1-B	Geometry A Geometry B	Algebra 2-A Algebra 2-B	Math Elective Pre-Calculus Statistics Other
	Algebra 1-A Algebra 1-B Geometry A	Geometry B Algebra 2-A Algebra 2-B	Pre-Calculus A Pre-Calculus B	Calculus (AP) A Calculus (AP) B Calculus (AP) C

***Course***                    ***Algebra Concepts – ½ elective credit***  
**Prerequisite**            none  
**Grade Level**            9, 10  
**Description**            Algebra Concepts is for the 9<sup>th</sup> grade student who wants to ensure he/she is best prepared for the rigor that is presented in high school mathematics courses. This course will present an in-depth review of algebraic ideas that have been studied throughout the middle grades, as well as further support the students' skills with numbers and operations, such as problems solving with rates, ratios, and proportions, computing with rational and irrational values, understanding directly proportional and linear relationships, exploring linear functions and using algebraic understanding to solve applications.

***Course***                    ***Algebra 1 – 1 credit***  
**Prerequisite**            Successful completion of 7<sup>th</sup> & 8<sup>th</sup> grade math or Algebra Concepts  
**Grade Level**            9  
**Description**            Algebra I builds on the study of functions and representations begun in the middle school grades. This is done by broadening the study of linear relationships to include piecewise functions, systems of equations, formal function notation, and data analysis. Additional topics will include: rules of exponents, quadratic equations, exponential equations, and polynomial patterns of change and the applications they model. Students will develop an understanding that algebraic thinking is an accessible and powerful tool that can be used to model and solve real-world problems.

***Course***                    ***Geometry – 1 credit***  
**Prerequisite**            Algebra I  
**Grade Level**            9, 10  
**Description**            Geometry builds on a number of key geometric topics developed in the middle grades, namely relationships between angles, triangles, quadrilaterals, circles, and simple three-dimensional shapes. It is expected that students beginning Geometry are able to recognize, classify, and apply properties of simple geometric shapes, know and apply basic similarity and congruence theorems, understand simple constructions with a compass and straight edge, and find area and volume of basic shapes. Students studying Geometry in high school, further

develop analytic and spatial reasoning, and knowledge of formal proof. These topics allow for many rich real-world problems to help students expand geometric reasoning skills

**Course** *Algebra II – 1 credit required (1 ½ earned)*  
Prerequisite Integrated Algebra I and Geometry  
Grade Level 10, 11, 12  
Description The goal of Algebra II is to build upon the concepts taught in Algebra I and Geometry while adding new concepts to the student’s repertoire of mathematics. Algebra II continues the study of exponential and logarithmic functions and further enlarges the catalog of function families to include rational and trigonometric functions. In addition to extending the algebra strand, Algebra II will extend the numeric and logarithmic ideas of accuracy, error, sequences, and iteration. Finally, students will develop an understanding that algebraic thinking is an accessible and powerful tool that can be used to model and solve real-world problems.

**Course** *Pre Calculus – 1 credit*  
Prerequisite Algebra II and teacher/counselor recommendation  
Grade Level 11, 12  
Description Pre-Calculus is the preparation for calculus. The study of pre-calculus is very strongly recommended for all college-bound students. The topics of study deepen student’s understanding of algebra and extend their ability to apply algebra concepts and procedures at higher conceptual levels and as a tool in the study of other subjects. The theory and applications of trigonometry and functions are developed in depth. New mathematical tools such as vectors, matrices, and polar coordinates are introduced, with an eye toward modeling and solving real-world problems.

**Course** *Statistics – 1 credit*  
Prerequisite C or better in Geometry and teacher/counselor recommendation  
Grade Level 11, 12  
Description This course is an introduction to the fundamental ideas of statistics. It is designed to guide students to discover statistical concepts, explore statistical principles and apply statistical techniques through the analysis of genuine data and the interaction with staff, each other and technology, in particular the graphing calculator and computer statistical software. It is an important course for any student entering the work force or the area of research where statistical techniques are becoming increasingly important.

**Course** *AP Calculus – 1½ AP credit*  
Prerequisite Pre-Calculus  
Grade Level 12  
Description Calculus is the study of variables, functions, limits, differentiation, and integration. Emphasis will be placed upon the application of derivatives and use of integration. The AP Calculus exam will be required at the completion of the course.

**Course** *Independent Study - ½ credit*  
Prerequisite Submission of proposal to the Principal and approval of parent(s) and department head  
Grade Level 11, 12  
Description Students may submit an independent study proposal to the principal. The proposal must state goals, strategies and outcomes. Students will be assigned a mentor, and work independently in implementing their program. Students should demonstrate ability to work with little supervision. The student will be required to produce a well-developed demonstration of the outcome at the culmination of the project

## ***SCIENCE DEPARTMENT***

***Philosophy of the Department*** - The Science Department of Romulus High School recognizes the need for quality in science education. The department also recognizes the varied differences among student interests and aspirations. With emphasis on quality and variety, we have attempted to design a curriculum that will provide activities and experiences to aid students in the enrichment of content area.

We need only to look around us to see the fantastic accomplishments provided by science. New discoveries are occurring at such an accelerated rate that it becomes difficult, if not impossible, for us to keep pace. The challenge that we as teachers and students of science must accept is that we move forward, increasing our scientific literacy and competency, thus assuring that Romulus High School students can compete in a highly technical society.

Grade 9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Physical Science Biology I	Biology I Physical Science Chemistry	Chemistry Physics	AP Biology Physics Microbiology/ Anatomy & Physiology

<b><i>Course</i></b> Grade Level Description	<b><i>Intro to Physical Science - 1 credit</i></b> 9, 10 Physical Science is a laboratory-oriented course that emphasizes problem solving using scientific investigation and experimentation. The course will stress proper methods of equipment usage, collecting data, interpreting data, along with the understanding of physical science concepts. These include volume, mass, density, force, motion, work, power, energy, electricity, sound, and light. Metrics will be highly emphasized in all course work.
<b><i>Course</i></b> Grade Level Description	<b><i>Biology I - 1 credit</i></b> 9, 10 The course is a two-trimester, one credit course in biology that builds a foundation by which students can further their studies in the life sciences. The major areas of study include scientific problem solving, cellular structure and function, life processes, heredity, basic anatomy, basic physiology, evolution, taxonomy and dissection of the fetal pig.
<b><i>Course</i></b> Prerequisite Grade Level Description	<b><i>Chemistry - 1 credit (required junior year or before)</i></b> Successful completion of Algebra I 10, 11 This course stresses the nature of matter and the changes that it may undergo. The basic principles of chemical theory are taught and then used to explain and predict chemical behavior. The laboratory portion of the course provides experience in fundamental chemical measurements and laboratory techniques. This course will provide a basic foundation in the physical sciences for those students who wish to continue their studies beyond the high school level.
<b><i>Course</i></b> Prerequisite Grade Level Description	<b><i>Microbiology – ½ credit</i></b> Student must have "C" average in Biology I or instructor's approval 11, 12 <b>Microbiology</b> is a field of biology that deals with the microscopic organisms that exist on earth as well as the function of the inner workings of the cell. This class will focus on the field of Microbiology with extensive units on Viruses, Bacteria, Cell Structure and Function along with Protein synthesis and the Cell Cycle. You will study structure of the DNA molecule and investigate its relationship to every organism on earth. Genetics, genetic engineering, and cloning, will also be topics covered in this course.

**Course** *Anatomy & Physiology- 1/2 credit*  
Prerequisite Student must have "C" average in Biology I or instructor's approval  
Grade Level 11, 12  
Description **Anatomy & Physiology** – This course will be entirely focused on the systems of various organisms and how they compare to that of a Human. There will be extensive dissection of this course and you will spend much of the class analyzing the anatomy of several different organisms. You will also learn how each system functions within a human being, as well as, how those same systems operate inside other organisms. You should enjoy dissection to take this course.

**Course** *Physics - 1 credit*  
Prerequisite Successful completion of Algebra I  
Grade Level 11, 12  
Description Physics is a course that includes topics in both classical and modern physics. Understanding of the basic principles involved and the ability to apply these principles in the solution of problems are the major goals of this course. This is a good course for a student that may be interested for more advanced work in the life sciences, medicine, geology and related areas, or as a component in a non-science college program that has science requirements. Also, access to an intensive physics sequence for physics or science majors is another opportunity that may be available.

**Course** *A.P. Biology – 1½ credits*  
Prerequisite B or better in Biology I or Microbiology/ Anatomy & Physiology and/or a signed statement from the AP Biology teacher is recommended  
Grade Level 11, 12  
Description Advanced Placement Biology is an extremely rigorous science course involving in depth analysis of molecules and cell 25%, heredity and evolution 25%, and organisms and populations 50%. Students who elect to take the course should anticipate a great deal of reading as well as nightly homework assignments.

**Course** *Independent Study - 1/2 credit*  
Prerequisite Submission of proposal to the principal and approval of parent(s) and department head  
Grade Level 11, 12  
Description Students may submit an independent study proposal to the principal. The proposal must state goals, strategies and outcomes. Students will be assigned a mentor, and work independently in implementing their program. Students should demonstrate ability to work with little supervision. The student will be required to produce a well-developed demonstration of the outcome at the culmination of the project.

# ***SOCIAL STUDIES***

***Philosophy of the Department*** - The central purpose of Social Studies education is the development of citizenship.

In order to promote the many-sided roles of citizenship, the Social Studies curriculum will bring together four essential elements: **knowledge**; democratic and humane **values**; **skills** in acquiring information and thinking about social affairs; and **social participation**.

GRADE	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
	World Hist. & Geography Leadership	US Hist. & Geography Leadership Fed Government	Economics Psychology I & II AP Psychology AP U.S. History AP Amer. Government	Govt. (State & Local) Psychology I & II Leadership AP Psychology AP U.S. History AP Amer. Government AP Economics

***Course***                    ***U.S. History and Geography – 1 credit (required)***  
 Grade Level                10  
 Description                The purpose of this two-trimester course is to increase the student's knowledge of historical events, improve their skills in evaluating information, and deepen their understanding of their American heritage. This course covers the 1870's to present day time period.

***Course***                    ***World History and Geography – 1 credit***  
 Grade Level                9  
 Description                This is a state required class for tenth graders. This two-trimester class will survey the history of the world from its beginning to the present. Students will be looking at the world from a historical, geographical and modern viewpoint. This course covers the 600 BC to present day time period

***Course***                    ***Federal Government - ½ credit***  
 Grade Level                10  
 Description                A one trimester course that will acquaint the student with the structure, function and role of our federal government. The U.S. Constitution will be studied in detail with the emphasis on the Legislative, Executive, and Judicial branches. The Bill of Rights will also be a unit of study and how these rights impact young people.

***Course***                    ***Economics – ½ credit***  
 Grade Level                11  
 Description                This is a one-trimester course where students will learn the basic concepts of economics, money management, and finances. Instruction will cover lectures and discussions while also making time for research projects. Students will also complete a junior project that maps out a financial future by exploring several career options.

***Course***                    ***State and Local Government - ½ credit***  
 Grade Level                12  
 Description                Students will get the opportunity to meet and learn from judges, lawyers, our mayor, city council members, school board members, etc. Students will role-play our state legislature by debating very interesting social issues. Furthermore, students will experience Democracy first hand by attending a

city council meeting and will learn about our legal system by going on a fieldtrip to the 34<sup>th</sup> District Court in Romulus. Students will also learn how to do their own federal and state income taxes and property taxes.

**Course** *Psychology I – ½ credit*

Grade Level 11, 12

Description A one trimester course introducing students to the basic concepts of psychology. Students will examine concepts such as learning, motivations, personality traits and behavior. Students will be able to apply the techniques learned in class to improve their decision-making processes. Student will explore problems they face every day and how to analyze these problems. This is primarily a project-based class with a culminating research project.

**Course** *Psychology II – ½ credit*

Grade Level 11, 12

Description A one-trimester course that builds on the basic concepts developed in Psychology I class. This course will increase the student's knowledge in the following areas of study: memory, learning, language, human development, personality, abnormal and experimentation. This is primarily a project-based class with a culminating research project.

**Course** *AP U.S. History – 1½ credits*

Grade Level 10, 11, 12

Description This is a year long course designed to study a range of topics and issues in the political, economic, social and cultural history of the United States from the Colonial Era to the late 20<sup>th</sup> Century. The course is designed with analytical skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. In addition, the goal is for the students to take the college-level exam.

**Course** *A.P. Federal American Government – 1½ credits*

Grade Level 11, 12

Description Students will demonstrate advanced knowledge of American Government and political process. This is a college preparatory class that will take the student well beyond the study of basic Federal Government. Student will take the A.P. test as one of their culminating activities.

**Course** *AP Economics – 1½ credits – offered on a rotation*

Grade Level 11, 12

Description A.P. Economics is a college level, year long course designed to provide students with a thorough understanding of the principles of economics that apply to the functions of consumers and producers within the economic system (microeconomics), as well as an understanding of the economics principles which operate within the economic system as a whole (macroeconomics). The course will integrate the role of the government in promoting greater efficiency and equity in the economy. A.P. Economics will emphasize the study of national income, economic performance measures, economic growth and international economics. The aim of A.P. Economics is to provide the student with a learning experience equivalent to that obtained in a typical college introduction to economics course. Students will learn to think like economists-to question, to evaluate marginal costs and marginal benefits, to explore the many ways that one action will cause secondary actions.

**Course** *AP Psychology – 1½ credits – offered on a rotation*

Grade Level 11, 12

Description A year long course that will prepare students for college psychology classes. Students will examine concepts such as learning, motivation, personality traits and behavior. Students will be able to apply the techniques learned in class to improve their decision making process. Higher order thinking skills are a must for this class. This is an AP course that will be taught at the college level.

**Course** *Leadership – ½ credit*  
Grade Level 9,10,11,12  
Description This course is based on the belief that effective leaders are developed-not born. Leadership cannot be taught; it has to be learned. Therefore, the class is designed for students to develop personal leadership skills as well as an understanding of group process in a democratic society. It seeks to foster in students a better understanding of themselves and their capacity as a leader. Embrace your role as a leader in your school and community.

**Course** *Independent Study - ½ credit*  
Prerequisite Submission of proposal to the principal and approval of parent(s) and department head  
Grade Level 11, 12  
Description Students may submit an independent study proposal to the principal. The proposal must state goals, strategies and outcomes. Students will be assigned a mentor and work independently in implementing their program. Students should demonstrate ability to work with little supervision. The student will be required to produce a well-developed demonstration of the outcome at the culmination of the project

**Course** *Current Events - ½ credit*  
Grade Level 11, 12  
Description The Current Events course will examine both local and world events and issues as they happen. Students will use maps and globes to study locations, geography, and migration of people. The course will also focus on analyzing both sides of issues, and students will be required to present oral and written work demonstrating knowledge of the changing world around them.

**Course** *Community Service - ½ credit*  
Grade Level 9, 10, 11, 12  
Description Students may choose to do community service at any time during their high school career. Community service is defined as volunteering in the community to perform service without pay. This type of service can be a onetime event or ongoing. However, in order to receive credit, students must meet the following criteria:

- *Signed contract with service office for community service credit.*
- *Minimum of sixty hours of service per ½ credit (hours and project must be documented on time sheet provided by service office).*

**Course** *Eagles Soar Mentoring (Link Crew)*  
Grade Level 11, 12  
Description Eagles Soar (Link Crew) is a high school orientation and transition program that increases freshman success. Members of the junior and senior class apply, interview, are accepted, and then trained to be Eagle Soar Leaders who act as positive role models, motivators, student mentors and teachers helping guide the freshmen to discover what it takes to be successful during their high school transition. As freshman success increases, the benefits to the school climate and culture become apparent. Schools that have implemented Link Crew report having greater student connection, increased extracurricular participation, fewer discipline issues and improved academic performance. Link Crew schools value the service-learning and character development achieved through this proven high school orientation program.

## ***BUSINESS TECHNOLOGY***

***Philosophy of the Department*** - The Business Education Department endeavors to provide the student with a practical understanding of the business principles and practices in the free enterprise system. The student learner develops individual responsibility, appropriate work habits, and the attitude necessary for successful employment as an integral part of their business program.

<b>GRADE</b>	<b>9<sup>th</sup></b>	<b>10<sup>th</sup></b>	<b>11<sup>th</sup></b>	<b>12<sup>th</sup></b>
	Computer Apple	Computer Appl. II	Computer Appl. II	Computer Appl. II
	Computer Appl.II	Computer Appl.	Computer Appl.	Computer Appl.
	Integrated Technology	Business Law	Business Law	Business Law
		Accounting I	Accounting I	Accounting I
		Information Mgt.	Accounting II	Accounting II
		Adobe Illustrator	Marketing I	Marketing I
		Personal Finance	Adobe Illustrator	Adobe Illustrator
		Entrepreneurship I	Personal Finance	Personal Finance
			Information Mgt.	Information Mgt.
			Internet & Web I & II	Internet & Web I & II
			Entrepreneurship 1 & II	Entrepreneurship I & II
			Programming I & II	Programming I & II

***Course***                    ***Integrated Technology – ½ credit*** - Will receive on-line and visual, performing and applied arts credit.  
**Grade Level**            9  
**Description**            This course will satisfy the new Michigan Merit Curriculum requirement for an online course. Students will use “Career Forward”, an online course designed to help them plan their work lives and career opportunities in today’s global economy.

***Course***                    ***Computer Applications I– ½ credit*** - Will receive visual, performing and applied arts credit.  
**Grade Level**            9, 10, 11, 12  
**Description**            This is a one-trimester course in keyboarding skills and Microsoft Word. Students will work on developing speed and accuracy, as well as basic office skills. This is recommended for all students, including college prep. For students interested in participating in Business Professionals of America (BPA), this course will provide them and excellent opportunity to practice for the competitions.

***Course***                    ***Computer Applications II – ½ credit*** – Will receive visual, performing and applied arts credit.  
**Prerequisite**            Computer applications I and keyboarding skills  
**Grade Level**            9, 10, 11, 12  
**Description**            This is a one-trimester course in advanced computer applications. Students will continue to work to develop advanced keyboarding skills. They will develop skills using other software programs, such as Excel, PowerPoint and Access. The students will learn how to use the classroom as a simulated business environment. For students interested in participating in Business Professionals of America (BPA), this course will provide them and excellent opportunity to practice for the competitions.

<b>Course</b>	<b><i>Adobe Illustrator – ½ credit - Will receive visual, performing and applied arts credit.</i></b>
Prerequisite	Keyboarding or teacher permission
Grade Level	10, 11, 12
Description	Uses Adobe Illustrator CS6
<b>Course</b>	<b><i>Business Management – 1 ½ credits - Will receive visual, performing and applied arts credit or 12<sup>th</sup> grade math-related credit.</i></b>
Prerequisite	Integrated Technology
Grade Level	11, 12
Description	This is an advanced computer class. Students will become proficient in the use of spread sheeting, database, and presentation programs. They will also be taught to integrate these with each other as well as with a word processing program. Upon successful completion of course, students will be qualified to gain Microsoft certification in Excel, Access and PowerPoint. If they attain the expert level certification, they can get college credit at HFCC.
<b>Course</b>	<b><i>Internet/Web Design I – ½ credit - Will receive visual, performing and applied arts credit</i></b>
Prerequisite	Keyboarding or teacher approval
Grade Level	10, 11, 12
Description	Students will gain a better understanding of the World Wide Web by evaluating web sites and using search tips and tools. Students will create and design web pages using HTML, JavaScript and Dreamweaver, a web design software program. For students interested in participating in Business Professionals of America (BPA), this course will provide them and excellent opportunity to practice for the competitions.
<b>Course</b>	<b><i>Internet/Web Design II – ½ credit - Will receive visual, performing and applied arts credit</i></b>
Prerequisite	Internet/Web Design I and/or teacher approval
Grade Level	11, 12
Description	Students will increase their skills in web design by learning advanced features of HTML and Java Script. They will become familiar with Dreamweaver CS6 and Flash CS6, a web design software program. For students interested in participating in Business Professionals of America (BPA), this course will provide them an excellent opportunity to practice for the competitions.
<b>Course</b>	<b><i>Programming I</i></b>
Grade Level	9, 10, 11, 12
Description	The student will learn how to design and write basic programs with Visual Basic 2010. The areas of concentration are: Program and Graphical User Interface Design, Program Design and Coding. Variables and Arithmetic Operations and Decision Structures.
<b>Course</b>	<b><i>Programming II</i></b>
Prerequisite	Programming I
Grade Level	9, 10, 11, 12
Description	This is a continuation of Programming I. The student will learn how to Loop Structures within Visual Basic 2010. Students will also learn how to create games using “free” gaming software.
<b>Course</b>	<b><i>Business Law – ½ credit - Will receive visual, performing and applied arts credit.</i></b>
Grade Level	10, 11, 12
Description	A one trimester course to help the student understand how the law helps him/her as a teenager, as well as an adult. It will provide the student with a better understanding of the lawful processes that are a part of our society, with emphasis on business and consumer relationships. The course includes the law of contracts (Uniform Commercial Code) and will be of life-long value to the student.

**Course** *Managing Your Personal Finances Part A – ½ credit -- Will receive visual, performing and applied arts credit or 12<sup>th</sup> grade math-related credit.*

Grade Level 10, 11, 12

Description This one trimester course is designed to help students develop skills in managing their finances. This course will cover such areas as automobile buying, credit card management, investing savings in stocks, bonds, real estate, etc; personal and family budgeting; taxes and shopping skills. Microcomputers will be used in stock market, and budgeting.

**Course** *Managing Your Personal Finances Part B – ½ credit -- Will receive visual, performing and applied arts credit or 12<sup>th</sup> grade math-related credit (full credit – upon completing Part A and Part B).*

Prerequisite Managing Your Personal Finance Part A

Grade Level 10, 11, 12

Description This one trimester course is designed to expand on the concepts learned in Managing Your Personal Finances Part A. Students will complete a portfolio that will include concrete evidence of mastery of each of the following units: savings and investment options i.e., stocks, bonds, mutual funds, real estate, retirement and estate planning; different types of financial risks and they will examine a strategy to manage those risks; personal and family decision making; real estate principles; consumer protection etc.

**Course** *Entrepreneurship I – ½ credits - Will receive visual, performing and applied arts credit.*

Grade Level 10, 11, 12

Description Entrepreneurship and Small Business Management focuses on all aspects starting a business. Students will conduct interest surveys, explore business opportunities, create marketing plans, and analyze the finances for business. Students will use this class as a foundation to starting a business. Entrepreneurship and Small Business Management is a natural fit for all career pathways.

**Course** *Entrepreneurship II – ½ credit – Will receive visual, performing and applied arts credit*

Prerequisite Entrepreneurship I

Grade Level 11, 12

Description Entrepreneurship and Small Business Management focuses on all aspects starting a business. Students will conduct interest surveys, explore business opportunities, create marketing plans, and analyze the finances for business. Students will use this class as a foundation to starting a business. Entrepreneurship and Small Business Management is a natural fit for all career pathways.

**Course** *Accounting I - 1 credit – Will receive 12<sup>th</sup> grade math-related credit. (State Recognized0)*

Prerequisite Recommended that students have a "C" or better average

Grade Level 10, 11, 12

Description A study of different accounting systems, theories of accounting and an introduction in new data processing methods. Computerized accounting is also designed to teach students the fundamentals of automated accounting and provides them with the knowledge to operate any commercial software package they may encounter in the business world. This course is recommended for all general business majors. This program is articulated with Washtenaw Community College and can result in earned credit upon entering their program.

**Course** *Accounting II - 1 credit - Will receive 12<sup>th</sup> grade math-related credit. (State Recognized0)*  
Prerequisite Satisfactory completion of Accounting I  
Grade Level 11, 12  
Description The class will take the basics learned in the first year course and apply them in areas such as: corporation accounting, management accounting, and cost accounting. The student will use automated accounting software. The student will gain hands-on experience using microcomputers to complete computer application problems. This program is articulated with Washtenaw and/or Henry Ford Community College and can result in earned credit upon entering their program.

**Course** *Marketing I – 1 ½ credits - Will receive visual, performing and applied arts credit*  
Grade Level 11, 12  
Description The Marketing I course prepares students for immediate entry-level jobs in marketing and sales. Areas covered in the course include: communication skills, cashiering procedures, selling techniques, business and marketing concepts. Students are expected to work in the school store for an hour. A strong math background is recommended. This course is for students who would like to obtain a marketing cooperative education position in their senior year. Students will be actively involved in all aspects of the running of the Public Service Credit Union “Eagle Branch”, located in the school store, if available.

**Course** *Marketing Education Co-op - 2 credits*  
Prerequisite See Description  
Grade Level 12 (or 2nd trimester 11)  
Description Students will have successfully completed or be currently enrolled in Marketing I, II.

**Course** *Office Co-op - 2 credits*  
Prerequisite See Description  
Grade Level 12 (or 2nd trimester 11)  
Description Students participating in this program will have successfully completed or be currently enrolled in the Administrative Support class.

**Course** *Independent Study - ½ credit*  
Prerequisite Submission of proposal to the principal and approval of parent(s) and department head  
Grade Level 11, 12  
Description Students may submit an independent study proposal to the principal. The proposal must state goals, strategies and outcomes. Students will be assigned a mentor and work independently in implementing their program. Students should demonstrate ability to work with little supervision. The student will be required to produce a well-developed demonstration of the outcome at the culmination of the project.

**Course** *21<sup>st</sup> Century Communications*  
Grade Level 9, 10, 11, 12  
Description The main objectives of 21<sup>st</sup> Century Communications is to speak comfortably in front of an audience, work in groups to increase interpersonal skills, and to use technology to deliver a presentation (this includes developing, recording and/or uploading presentations via Prezi, podcasts, YouTube). Independent work includes an interview, movie or music review, informative, and persuasive speeches. Group work includes collaboration, communication, critical thinking, and problem solving to create a country, present a current event, and hold a panel discussion.

# ***INDUSTRIAL TECHNOLOGY DEPARTMENT***

***PHILOSOPHY OF THE DEPARTMENT*** - Industrial Technology in the Romulus Community Schools serves three purposes. It strives (1) to help students develop the skills, attitudes and knowledge that will best prepare them for life in a rapidly changing world; (2) seeks to maintain, transmit, and improve the culture of the society, and (3) seeks to develop the competence of the individual students to help prepare them for pursuits upon leaving Romulus Community Schools.

Students who participate in courses offered in Industrial Technology will develop skills in the application of technology to the solution of problems. Science, Math, and Writing skills will be reinforced as they apply to the specific objectives through applied academics. The following outcomes will be incorporated which were derived from the State Core Curriculum.

At the high school level, students will:

- A. Evaluate and solve identified problems by applying selected technological systems appropriate to a particular set of criteria.
- B. Gain knowledge and understanding about technology's impact on society and related issues such as information access, communication and the environment.
- C. Demonstrate an awareness of social, legal and environmental issues related to technology.
- D. Use technological systems related to school tasks, home management, leisure activities and job skill training.
- E. Acquire a core of knowledge and understanding of various career paths and develop plans of action.
- F. Be able to function effectively in a work environment, demonstrating honesty, integrity and respect for others.
- G. Be able to demonstrate the ability to initiate and effectively handle change while using a teamwork approach to conflict resolution and problem solving.

## ***Concentration Areas in the Industrial Technology Department***

### ***Programs of Concentration:***

- 1. Aircraft Technology
- 2. Auto Mechanics
- 3. Computer Aided Drafting (CAD)
- 4. Electronics and Robotics
- 5. Engineering
- 6. Hospitality & Food Services
- 7. Multi-Media

**Registration Notes:**

1. All students in grades 10-12 may select the "Basic" level courses as electives if they meet the prerequisites.
2. It is recommended that 11<sup>th</sup> and 12<sup>th</sup> grade students select first year "Block" career and technical courses of interest regardless of the student's previous experiences. There are **no** prerequisites, only recommendations, for career and technical block classes.
3. Students registering for "block" career and technical classes must be 15 ½ years old.
4. Ninth graders may take 10<sup>th</sup> grade classes if they successfully completed eighth grade Smart Lab 2000.

**INDUSTRIAL TECHNOLOGY CURRICULUM**

<b>9<sup>th</sup></b>	Basic Mechanics Intro to Engineering Design (CAD I)	<b>12<sup>th</sup></b>	Computer Integrated Manufacturing (CIM) Intro to Engineering Design (CAD I) Digital Electronics Auto Lab II CAD II, III, IV Culinary Arts II Trades and Industry Co-op Aircraft Technician II Engineering Design Digital Electronics Principles of Engineering Intro to Multi Media
<b>10<sup>th</sup></b>	Computer Integrated Manufacturing (CIM) Basic Mechanics Auto Lab I Intro to Engineering Design (CADI) CAD II Principles of Engineering		<b>Project Lead The Way (PLTW)</b> Recommended Order <b>9<sup>th</sup> Grade</b> – Introduction to Engineering Design <b>10<sup>th</sup> Grade</b> – Principles of Engineering <b>11 – 12<sup>th</sup> Grade</b> – Computer Integrated Manufacturing <b>11 – 12<sup>th</sup> Grade</b> – Digital Electronics
<b>11<sup>th</sup></b>	Computer Integrated Manufacturing (CIM) Auto Lab I & II Digital Electronics CAD II, III Aircraft Technician I Hospitality & Food Services I Principles of Engineering		

**Course** *Introduction to Multi-Media – ½ credit*  
**Grade Level** 9, 10, 11, 12  
**Description** Students will learn the fundamental understanding of the pre-production, production, and post-production processes of video processing and filmmaking. Students will work with Camcorders, Still Cameras, and Apple iMovie editing software. Along with hands-on productions, students will survey the history of filmmaking and analyze the various styles of filmmaking and editing. Students will be able to understand and apply the various concepts of camera shots and movement, composition, continuity in their collaborative individual and group assignments.

**Course** *Multi-Media II*  
**Prerequisite** Compute applications, Introduction to Multi-Media  
**Grade Level** 11, 12  
**Description** The purpose of this course is for each student to learn to apply advanced techniques of digital media. This includes digital photography, digital videography and digital music. Students will get hands-on experience using digital cameras, and digital video cameras as well as advanced digital editing. Student will gain advanced knowledge and experience in the TV studio where students will produce TV news report detailing the daily announcements. Students will also be required to attend and produce videos of various school and community events such as sporting events.

**Course** *Introduction to Engineering Design (IED) – 1 credit - Will receive visual, performing, and applied arts credit, 12<sup>th</sup> grade math-related credit (EMU Recognized), or Math credit (EMU Recognized).*  
**Grade Level** 9, 10  
**Description** Designed for 9<sup>th</sup> or 10<sup>th</sup> grade students, the major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer’s notebook, and communicate solutions to peers and members of the professional community.

**Course** *Computer Aided Drafting II (CAD II) - 1 credit - Will receive visual, performing, and applied arts credit, 12<sup>th</sup> grade math-related credit (EMU Recognized), or Math credit (EMU Recognized).*  
**Grade Level** 10, 11, 12  
**Prerequisite** Introduction to Engineering Design  
**Description** Concentrated study in the use of the CAD software presented in *Introduction to Engineering Design*. Students will begin to master the advanced features of the CAD software to aid in their advanced designs.

**Course** *Computer Aided Drafting III - (CAD III) - 1 credits - Will receive visual, performing, and applied arts credit, 12<sup>th</sup> grade math-related credit (EMU Recognized), or Math credit (EMU Recognized).*  
**Prerequisite** CAD II  
**Grade Level** 11, 12  
**Description** A course that uses computer technology to help the students apply decision making and problem solving skills while being creative. Students will be guided in many individual and group based projects. The second semester will begin their study into architecture using Autodesk Revit. CAD 3 is a continuation of CAD 2.

<b>Course</b>	<b><i>Computer Aided Drafting IV - (CAD IV) - 1 credits</i></b> - Will receive visual, performing, and applied arts credit, 12 <sup>th</sup> grade math-related credit (EMU Recognized), or Math credit (EMU Recognized).
Prerequisite	CAD III
Grade Level	12
Description	Largely independent work on a variety of CAD software. Students will have the opportunity for rendering high quality imagery of their designs. The use of animation will be drawn heavily upon.
<b>Course</b>	<b><i>Digital Electronics – (DE) - 1 credit</i></b>
Grade Level	10, 11
Description	Digital electronics is the foundation of all modern electronic devices such as mobile phones, MP3 players, laptop computers, digital cameras and high-definition televisions. Students are introduced to the process of combinational and sequential logic design, engineering standards and technical documentation. This course is designed for 10 <sup>th</sup> or 11 <sup>th</sup> grade students.
<b>Course</b>	<b><i>Principles of Engineering (POE) – 1 credit</i></b> - 12 <sup>th</sup> grade math-related credit (EMU Recognized).
Prerequisite	IED
Grade Level	10, 11
Description	Designed for 10 <sup>th</sup> or 11 <sup>th</sup> grade students, this survey course exposes students to major concepts they'll encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions.
<b>Course</b>	<b><i>Computer Integrated Manufacturing (CIM) - 1 credit</i></b>
Grade Level	10, 11, 12
Prerequisites	IED, this is the second course of Project Lead the Way
Description	How are things made? What processes go into creating products? Is the process for making a water bottle the same as it is for a musical instrument? How do assembly lines work? How has automation changed the face of manufacturing? While students discover the answers to these questions, they're learning about the history of manufacturing, robotics and automation, manufacturing processes, computer modeling, manufacturing equipment, and flexible manufacturing systems. This course is designed for 10 <sup>th</sup> , 11 <sup>th</sup> or 12 grade students.
<b>Course</b>	<b><i>Hospitality and Food Services I - 2 credits</i></b> - Will receive visual, performing, and applied arts credit.
Prerequisite	None
Grade Level	10, 11, 12
Description	In Hospitality and Food Services I, the students will apply the basic skills learned in hotel and lodging, travel and tourism, and culinary arts to participate in the operation of the Romulus Eagles Nest Restaurant. Additionally, students will participate in two after school activities (banquets, competitions) and attend a one-week, on-site job shadowing at an airport hotel. The students will have the opportunity to take part in the Ice Carving Club, Baking Club and various competitions. Course outcomes: Grooming and hygiene; safety and sanitation; nutrition; food service terms, titles and equipment; recipes and measurements; and basic skills in frying, grilling broiling, sautéing, and baking.

<b>Course</b>	<b><i>Hospitality and Food Services II - 2 credits - Will receive visual, performing, and applied arts credit.</i></b>
Prerequisite	Hospitality and Food Services I
Grade Level	11, 12
Description	Hospitality and Food Services II, in addition to first year requirement, the second year students will demonstrate abilities in: soups, stocks, and sauces; salads, dressings and appetizers; baking and cake decorating; food costing and portion control; menu planning and marketing; management and leadership skills, and accreditation in "Serve Safe" Program. Students can earn free college with this course through articulation with Henry Ford Community College and Washtenaw Community College.
<b>Course</b>	<b><i>Basic Small Engine- ½ credit</i></b>
Grade Level	10, 11, 12
Description	Small Engine Repair is recommended for any student selecting the Engineering –Manufacturing Career Pathway. The course consists of one-twelve week trimester where students will learn how to properly use tools, the theory and operation of two-cycle and four-cycle engines, and safe work practices. The class will have hands-on work along with book work. Students will be expected to bring in a lawnmower or another teacher approved small engine powered equipment for service during the last 4 weeks of the class.
<b>Course</b>	<b><i>Basic Auto – ½ credit</i></b>
Prerequisite	Basic Small Engine – C or better, enrolled in Engineering-Manufacturing Pathway and Teacher recommendation.
Grade Level	10, 11, 12
Description	The course will consist of one twelve-week trimester. Students will learn the basics of automotive engine repair. They will learn about automotive tools, equipment, safety and employability. This course will consist of hands-on work along with book work. Students will work in groups of 3-5 during the teardown, inspection and reassembly of an automobile engine. Students will also be required to complete NATEF standards for Engine Repair.
<b>Course</b>	<b><i>Auto Lab I – 1 ½ credits (Trimester 1,2,3) - Will receive visual, performing, and applied arts credit.</i></b>
Prerequisite	Basic Auto and Basic Small Engine – C or better, enrolled in Engineering-Manufacturing Pathway and Teacher Approved Application
Grade Level	11, 12
Description	Students must complete a teacher approved application prior to registration. The course will consist of three (3) twelve-week trimesters where students will be introduced to brake systems, suspensions systems and starting-charging systems. Students will learn vehicle maintenance, service and teamwork during the operation of the Auto Labe Service Program. The course will consist of hands-on work along with book work. Students will be required to complete NATEF standards. They will be required to arrange to have a minimum of one vehicle brought in for service during each Trimester as approved by the instructor. Students will be encouraged to participate in the SkillsUSA national student organization. This program is articulated with community colleges and may result in students earning college credit.

**Course** *Auto Lab II – 3 credits, 2 hour block, (Trimester 1,2,3) - Will receive visual, performing, and applied arts credit.*

**Prerequisite** Auto Lab I - C or better, enrolled in Engineering-Manufacturing Pathway and Teacher Approved Application

**Grade Level** 11, 12

**Description** Students must complete a teacher approved application prior to registration. The course will consist of three (3) twelve-week trimesters consisting of both textbook and hands-on work. In this course, vehicle electrical systems, fuel systems, computerized engine control systems, front end alignment, air conditioning service, and some driveline service will be covered. Students will be required to complete NATEF standards. Students will also learn leadership, teamwork, and customer service skills. Students must arrange for a minimum of one vehicle to be brought in for service work each trimester as approved by the instructor. Students will be encouraged to participate in the SkilleUSA national student organization. This program is articulated with community colleges and may result in students earning college credit.

**Course** *Independent Study - 1/2 credit*

**Prerequisite** Submission of proposal to the Principal and approval of parent(s) and department head.

**Grade Level** 11, 12

**Description** Students may submit an independent study proposal to the principal. The proposal must state goals, strategies and outcomes. Students will be assigned a mentor, and work independently in implementing their program. Students should demonstrate ability to work with little supervision. The student will be required to produce a well-developed demonstration of the outcome at the culmination of the project.

**Course** *Aircraft Technician I – 3 credits- Will receive 12<sup>th</sup> grade math related credit.*  
(Classes held at Michigan Institute of Aviation Technology, Willow Run Airport)

**Prerequisite** Completed application, successfully completed algebra with C+ or better

**Grade Level** 11

**Description** This course includes both hands-on as well as classroom instruction. Through the close coordination of airframe and power plant curriculum, the student is prepared to enter aviation and non-aviation industry at an entry level. Upon completion of Aircraft Technician I and Aircraft Technician II, the student is prepared and eligible to apply for licensing by the FAA as a Power plant Technician. (A three-hour class offered 5<sup>th</sup>, 6<sup>th</sup>, and 7<sup>th</sup> hour)

**Course** *Aircraft Technician II – 4 1/2 credits - Will receive 12<sup>th</sup> grade math related credit.*  
Classes held at Michigan Institute of Aviation Technology, Willow Run Airport

**Prerequisite** Successful completion of Aircraft Technician I

**Grade Level** 12

**Description** This course is a continuation of Aircraft Technician I. It includes both hands-on as well as classroom instruction. Through the continued close coordination of framework and power plant curriculum, the student is prepared to enter aviation and non-aviation industry at an entry level. Upon completion of Aircraft Technician I and Aircraft Technician II, the student is prepared and eligible to apply for licensing by the FAA as a Power plant Technician program. (A three-hour class offered 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> hours)

## ***Work-based Learning Programs***

**Job Shadowing   Mentoring   Co-op   Internship   Work Study   Youth Apprenticeship**

Enhance students' motivation and academic achievement.  
Increase personal and social competence related to work in general.  
Gain a broad understanding of an occupation or industry.  
Acquires knowledge or skills related to employment in particular occupations and employment skills.

The work-based learning opportunities listed below attempt to engage a qualified student in a program that provides career explorations, career awareness, employability skills, and technical skills in the students' chosen career path.

***Course                      Job Shadowing - (Extra curricular activity)***

Grade Level                      9, 10, 11, 12

Description                      Offers the opportunity for students to visit local businesses to observe workers as they perform their work tasks. Job shadowing can be arranged by student, classroom teacher or the Work-based Learning Coordinator on an individual basis ranging from a few hours to two or three days.

***Course                      Mentoring – (Extra curricular activity)***

Grade Level                      9, 10, 11, 12

Description                      Allows the student the opportunity to interact with career workers concerning their areas of work. The student will be able to learn by observing, asking questions and in some cases, assisting. All experiences are individualized, lasting from a few sessions to several weeks.

***Course                      Work-based learning – Capstone – 1 credit per trimester***

Prerequisite                      Successful completion of/or current enrollment in a related Career & Technical class

Grade Level                      12

Description                      Work-based Learning Capstone is designed to give students on-the-job work experience and training. This work experience must relate to the career and technical class that the student successfully completed or is currently enrolled in and their Career Pathway. Students must follow the rules of both the employer and the Work-based Learning Program. During the registration period, juniors must fill out an application for fall Work-based learning placement. The Career & Technical careers covered by Capstone are, but not limited to: Auto Body, Auto Lab, Building Trades, Culinary Arts, Computer Aided Drafting, Cosmetology, Electronics, Welding, Aviation Technology, Marketing, Information management and Health Occupations. Students may be released from school early as their schedule and credits toward graduation allows. See Work-based Learning Coordinator for more information.

***Course                      Work-based learning Experience - (Internship) – 1 credit per trimester***

Prerequisite                      Stated career goal with supportive course selections

Grade Level                      12

Description                      Work-based learning Experience (Internship) is a structured program that is designed to give students on the job work experience and training in a career field in which they want to pursue. This placement may be available if no Career & Technical class directly supporting this career is available and/or their schedule is so academically challenging that time does not allow for participation in such a class. Students work while they gain knowledge, experience and the opportunity to determine job satisfaction in a given occupational field or Career pathway.

## ***FINE ARTS***

***Philosophy of the Department*** The aim of the Fine Arts Department is to provide a wide variety of experiences for students with both limited background and those with more advanced preparation in the arts. We believe this program will enrich the life of each student through creative and expressive experiences from study, preparation and performance, as well as providing an opportunity for group participation.

***Course***                    ***Concert Band –1 ½ credit***

Prerequisite                Successful completion of Middle School band or approval of band director

Grade Level                9, 10, 11, 12

Description                The Concert Band will consist of musicians from all grades who have attained a good degree of proficiency on their instruments. The band student is expected to participate in regular band concerts, MSBOA District Band Festival in March and State Festival in April if a Division I rating is achieved at District Festival, attend extra rehearsals, concerts and any other periodical public performance which occurs during the trimester. Music covered during the year includes marches, overtures, symphonies, lighter classics and popular songs.

***Course***                    ***Symphony Band – 1 ½ credit***

Prerequisite                Audition or approval of band director

Grade Level                9, 10, 11, 12

Description                The Symphony Band will consist of musicians from all grades who have attained a high degree of proficiency on their instruments. The band student is expected to participate in regular band concerts, MSBOA district band festival in March and State Festival in April if a Division I rating is achieved at District Festival, attend all extra rehearsals, concerts and any other periodical public performances that occur during the year includes marches, overtures, musicals, symphonies and the lighter classics.

***Course***                    ***Jazz Band – 1 ½ credit***

Prerequisite                Approval of band director

Grade level                10, 11, 12

Description                The Stage Band is primarily a performing group which supplies music at school and community events. Instrumentation is limited to the following instruments: saxophone, trumpet (cornet), trombone, piano, electric guitar, electric or string bass and drums. Music covered during the year includes jazz, big band and rock. The band student is expected to participate in MSBOA state festival in April, regular band concerts and gigs.

***Course***                    ***Marching Band – ½ credit***

Prerequisite                Approval of band director

Grade Level                9, 10, 11, 12

Description                The Marching Band will consist of students from all grades. The marching band also has a color guard (flag corps). Students do not need to play an instrument to be a member of the color guard. The band and color guard member is expected to attend all rehearsals, including a weeklong summer band camp, all home football games, concerts and any other periodical public performances that occur during the trimester.

<b>Course</b>	<b><i>Music Appreciation – ½ credit</i></b>
Grade level	9, 10, 11, 12
Description	This class will introduce students to the history of music and its role in our society, as well as other cultures. We will discuss the basic elements of music from the early times to present. No previous musical experience is necessary.
<b>Course</b>	<b><i>Choir – ½ credit</i></b>
Grade level	9, 10, 11, 12
Description	The choir is a performing group consisting of students from all grades. Students do not need prior choral experience to become a member. The choir student is expected to participate in evening concerts at the end of each trimester. New repertoire is introduced each trimester and students may enroll in the course as many times as they wish.
<b>Course</b>	<b><i>Art Foundations - ½ credit – Will receive visual, performing and applied arts credit.</i></b>
Prerequisite	None
Grade Level	9, 10, 11, 12
Description	This beginning level art course is a combination of many basic art forms including drawing, painting, design and clay using various mediums (art materials) while improving individual drawing skills through the study of artists and their place in the art world. This class is the basic requirements for most other art courses offered.
<b>Course</b>	<b><i>Drawing I - ½ credit – Will receive visual, performing and applied arts credit</i></b>
Prerequisite	Art Foundations
Grade Level	10, 11, 12
Description	This class concentrates on improving drawing skills by using various drawing techniques that target an assortment of methods designed to help students understand the elements that will improve their drawing talents through self-reflection and the study of master artists and their work.
<b>Course</b>	<b><i>Drawing II - ½ credit– Will receive visual, performing and applied arts credit</i></b>
Prerequisite	Art Foundations and Drawing I
Grade Level	11, 12
Description	Serious art students will be challenged to improve their drawing skills through advanced drawing techniques that are designed to improve the student’s ability to see true details. This class concentrates on drawing still life arrangements, portraits, life drawing and more. The goal of this college level class is to create a portfolio of work for college entrance and scholarship opportunities.
<b>Course</b>	<b><i>Painting – ½ credit– Will receive visual, performing and applied arts credit</i></b>
Prerequisite	Art Foundations
Grade Level	10, 11, 12
Description	Students interested in this class will improve basic drawing skills while exploring various painting techniques such as watercolor, tempera, acrylic and possibly oil paints in order to create finished paintings. Students will reflect on improving painting skills through self-reflection and the study of master artists and their work
<b>Course</b>	<b><i>Design – ½ credit – Will receive visual, performing and applied arts credit</i></b>
Prerequisite	Art Foundations
Grade Level	10, 11, 12
Description	The fundamentals of design such as symmetry, asymmetry, balance, pattern and unity will be applied to art making while using various mediums (art materials) such as ink, paint and more. We will explore the graphic design profession and explore its basic procedures while making fine art.

**Course** *Art & Logic – ½ credit – Will receive visual, performing and applied arts credit*  
Prerequisite Successful completion of Algebra A & B  
Grade Level 9, 10, 11, 12  
Description This class is designed for the student who feels they are not creative, as well as those students who enjoy making art. This course offers a practical approach to art making through a sequences of mathematical and logical steps that gradually build on one another while exploring various art mediums (art materials) such as pencil, ink, paint and many other materials while discovering the interesting lives of various artists and their work. Seniors earn ½ Senior math credit.

**Course** *Independent Study - ½ credit*  
Prerequisite Successful completion of all other Art courses  
Grade Level 11, 12  
Description This course is for the student who is interested in the visual arts as a vocation. The student, with the teacher, will determine a course of study that will best prepare the student for study past high school. Students with an interest in the arts as a hobby may also sign up for this course.

## ***PHYSICAL EDUCATION AND HEALTH***

***Philosophy of Department*** - To encourage students to develop an individual optimum level of physical fitness, acquire knowledge of leisure time activities, and understand the significance of one's lifestyle in health and fitness.

***Course Physical Education for Boys - ½ credit***

Grade

9

Description

This course introduces young males to the four main components of fitness: Muscular Strength, Cardiovascular Fitness, Body Composition and Flexibility. This course will also introduce students to various team sports. Every student taking this course will have four weeks of swimming as well. The swim portion will make up one-third of the grade for this class.

***Course Physical Education for Girls - ½ credit***

Grade Level

9

Description

This course introduces young females to the four main components of fitness: Muscular Strength, Cardiovascular Fitness, Body Composition and Flexibility. This course will also introduce students to various team sports. Every student taking this course will have four weeks of swimming as well. The swim portion will make up one-third of the grade for this class.

***Course Weight Training and Fitness for Young Men - 1 credit***

Prerequisite

Participation in one season of sports or teacher's permission

Grade Level

10, 11, 12 grade males

Description

Strength Training for Young Men – Students in this course will be involved in daily strengthening activities. They will also be involved in some classroom activities in which they will learn the concepts of building strength and the effects of training on the body. Participating daily is essential to success in this class.

***Course Fitness for Life for Young Women – 1/2 credit***

Grade Level

10, 11, 12 grade females

Description

This class highlights a variety of workouts designed to increase the fitness levels of women. Students will be exposed to many different types of fitness to sculpt muscles and build cardiovascular and muscular endurance and strength. Activities will include fitness testing, p90x, insanity, speed/agility, crossfit, circuit training, yoga, and ab/core work. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. The physical component of this course will be complimented with some class work.

***Course Girls Sports – ½ credit***

Grade Level

10, 11, 12

Description

Students electing this course will learn skills, rules and strategies for various team and individual sports. Students will also participate in fitness activities to establish a base of muscular and cardiovascular strength and endurance for sports.

***Course Techniques of Basketball - ½ credit***

Grade Level

10, 11, 12

Description

This class will place emphasis on the following aspects of the sport: the proper fitness fundamentals, techniques, rules, regulations and strategies for the sport, along with some classroom participation to enhance each student's scope of basketball.

<b>Course</b>	<b><i>Boys Physical Education (Fall) - 1/2 credit</i></b>
Grade Level	10, 11, 12
Description	This is an activities class offering units in physical conditioning, flag football, soccer, wrestling, basketball, floor hockey, volleyball, tennis and badminton.
<b>Course</b>	<b><i>Boys Physical Education (Spring) - 1/2 credit</i></b>
Grade Level	10, 11, 12
Description	This is an activities class that offers units in physical conditioning, volleyball, tennis, softball, badminton, track events and weight training.
<b>Course</b>	<b><i>Swimming – Beginning – 1/2 credit</i></b>
Grade Level	9, 10, 11, 12
Description	Students will learn the four major strokes, freestyle, breaststroke, backstroke, and butterfly. Treading water, sidestroke, and water safety will also be a major portion of this course. This course will be focusing on increasing comfort and awareness around water, and learning the techniques of each stroke.
<b>Course</b>	<b><i>Swimming – Advanced – 1/2 credit</i></b>
Grade Level	9, 10, 11, 12
Description	This course will focus on fitness through aquatic activity. Students will swim every day to build their muscular and cardiovascular endurance. Students will also learn water safety and stroke techniques. This course is designed for students that are able to confidently swim. Beginning swim and/or PE 9 are strongly recommended before taking this course.
<b>Course</b>	<b><i>Swimming – Physical Education – 1/2 credit</i></b>
Prerequisite	Beginning swimming or swimming experience
Grade Level	9, 10, 11, 12
Description	Students will learn water safety, and stroke techniques. This course is designed for students who are able to swim. Students will be swimming each day for the purpose of exercise, while learning other water activities.
<b>Course</b>	<b><i>Lifeguard and Instructor Training – 1/2 credit</i></b>
Prerequisite	Beginning swimming or swimming experience
Grade Level	9, 10, 11, 12
Description	Students will learn the basics of lifesaving, first aid and safety, and swim instructing. Students will have the opportunity to become a certified lifeguard through this course and learn to teach others water safety. Students should have the ability to swim well before taking this course.
<b>Course</b>	<b><i>Athletic Endurance Training and Careers in Sports – 1/2 credit</i></b>
Grade Level	9, 10, 11, 12
Description	This course will focus on the principles used to train athletes who are involved in sports that require endurance and stamina. Participation will be a key component of this course, and students should be prepared for fairly intense physical activity every day. Students will practice the concepts that are required to increase cardiovascular and respiratory fitness, as well as endurance during athletic competition. Students will also be engaged in classroom activities which will reinforce the concepts practiced.

## ***LIFE MANAGEMENT EDUCATION***

***PHILOSOPHY OF THE DEPARTMENT*** The Life Management Education Department is a diversified department containing both wage earning and consumer home economics.

Life Management programs teach life and occupation skills and encourage the development of:

1. Life management skills
2. Obtaining, allocating and conserving resources including time, money and energy
3. Human relations including parenting skills
4. Decision making skills
5. Career awareness and training for employment in related occupations.

<b><i>COURSE</i></b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
Life Management Skills	X	X		
Health	X	X	X	X
Nutrition		X	X	X
Family Living		X	X	X
Parenting and Child Development		X	X	X
Health Occupations - Technology I		X	X	X
Health Occupations - Technology II			X	X
Health Co-op			X	X
Medical First Responder			X	X
Emergency Medical Prep			X	X

***Course***      ***Life Management Skills - 1 credit***

Grade Level      9, 10

Description      This class offers an introduction into all areas of Home Economics. These include foods and nutrition, childcare, parenting, family relations, consumerism, caring for your clothes, family health and personal growth and development. A variety of activities are planned in each area that includes demonstrations by teacher, practical activities, discussions and written assignments.

***Course***      ***Health – ½ credit***

Grade Level      9, 10, 11, 12

Description      This is a one-trimester course with a focus on wellness and preventative health strategies. Topics will include: *Nutrition and Physical Activity; Alcohol, Tobacco and other Drugs; Safety; Emotional and Social Health; Personal Health and Wellness; HIV Prevention; Sexuality Education.* Through health education, students learn to obtain, interpret, and apply health information and services in ways that promote personal, family, and community health.

<b>Course</b>	<b><i>Nutrition - ½ credit</i></b>
Grade Level	10, 11, 12
Description	This course is for students who have an interest in learning about nutrition and developing skills in food preparation. Subjects covered will include nutrition, the food pyramid, healthy eating habits and the basic preparation of healthy foods. Learning activities will include demonstrations by the teacher, class food preparation, discussion and written assignments.
<b>Course</b>	<b><i>Family Living - ½ credit</i></b>
Grade Level	10, 11, 12
Description	The family is the platform from which all of our growth and development takes place. It is the first place our world is interpreted to us and it socializes us to that world. Our individual, academic and career success in part depends upon what happens within the family system. The Family Living course is intended to prepare individuals for their roles inside the family and help students build skills and attitudes that will help them live happily and successfully in families.
<b>Course</b>	<b><i>Parenting and Child Development - 1 credit</i></b>
Grade Level	10, 11, 12
Description	The purpose of this course is to prepare students for their future role of parent. Providing for a child's physical, mental, social, and emotional development is stressed. Students will describe and analyze the needs and responsibilities of parenthood and identify support systems to assist individuals in their roles as nurturer, care giver and parent.
<b>Course</b>	<b><i>Health Occupations Technology I – ½ credit - Will receive visual, performing and applied arts credit or Math-related credit.</i></b>
Grade Level	10, 11, 12 (16 year or older required)
Description	This course may be elected by the college or non-college bound student who may be interested in a health career. The course covers leadership skills, an introduction to anatomy and physiology, medical terminology, medical ethics, job seeking skills, first aid, CPR, and basic health skills. This class is the first of a two-year program. Students will register membership with Health Occupation Students of America (HOSA). (Appropriate certificates are awarded at the end of the course.) * <b>Students must wear approved "uniforms."</b>
<b>Course</b>	<b><i>Health Occupations Technology II - 3 credits - Will receive visual, performing and applied arts credit or Math-related credit.</i></b>
Prerequisite	Health Occupations Technology I
Grade Level	11, 12
Description	This course will build on skills and subjects learned in Health Occupations I. It will present an opportunity for students to perform advanced laboratory exercises in the following occupations: physical therapy, occupational therapy, medical assistant, dental assisting, cardiovascular therapy, long term care aid, and/or home health aid. This two year program is articulated with Henry Ford Community College and/or Wayne County Community College and can result in earned credit upon entering their program. * <b>Students must wear approved "uniforms"</b>
<b>Course</b>	<b><i>830 Medical First Responder –½ credit</i></b>
Prerequisite	Classes held at Wayne County Community College – Western Campus
Grade Level	Counselor Approval
Description	11, 12 This course is an overview of emergency medical services, including Basic Life Support (BLS), patient assessment, triage, patient handling and managing bleeding and shock control, management of fractures, childbirth and other medical emergencies. Students are eligible to apply for licensure with the Michigan Department of Consumer and Industrial Service Division of EMS if all comprehensive written and practical examinations are passed successfully.

**Course** **832 Emergency Medical Prep – ½ Credit**  
Classes are held at Wayne County Community College – Western Campus  
**Prerequisite** Counselor Approval  
**Grade Level** 11, 12  
**Description** This course is designed to provide high school students interested in a career in emergency/pre-hospital care with a preview of the knowledge/skills that may be required for such a career. It comprises of a selective overview of emergency medical services as provided at the level of emergency medical technician – basic (EMT-B). However, it is not a complete EMT-B course.

**Course** **Independent Study - ½ per trimester**  
**Prerequisite** Submission of proposal to the principal and approval of parent(s) and department head.  
**Grade Level** 11, 12  
**Description** Students may submit an independent study proposal to the principal. The proposal must state goals, strategies and outcomes. Students will be assigned a mentor, and work independently in implementing their program. Students should demonstrate ability to work with little supervision. The student will be required to produce a well-developed demonstration of the outcome at the culmination of the project.

**Course** **831 Health Co-op - 2 credits**  
**Prerequisite** To enroll in this course you must have completed either Health Technology I or II. The student must be employed in a health related area or be enrolled in Health Technology II concurrently.  
**Grade Level** 12  
**Description** Students in this two credit course will work in a local health care facility and earn high school credits.

## ***SPECIAL EDUCATION***

***Philosophy of the Department*** - The Special Education Department provides a comprehensive academic program to eligible disabled students who are enrolled in a regular education program with special education support leading to a high school diploma. Every effort is made to address student unique educational needs. To ensure our students with disabilities meet the graduation requirements to achieve a high school diploma, special and general education core classes will be delivered through co-teacher instruction to the extent possible. The department will continue to offer limited departmentalized special education classes during the 2009-2010 school year through department recommendations.

In addition, an individualized program based on an alternate curriculum will aid students in the development of basic educational competencies in personal adjustment, prevocational, vocational and daily living skills. Specific goals and objectives are established in the cognitive, affective and/or psychomotor areas on an individual basis leading to a certificate of completion in lieu of a high school diploma.

Through a departmentalized approach these special education classes are offered:

	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Basic Social Studies	x	x	x	x
Basic English	x	x	x	x
Basic Math	x	x	x	x
Basic Science	x	x	x	x
Reading	x	x	x	x
Essential Resources	x	x	x	x

***Course***                    ***Basic English 9 – 1 required (1 ½ earned)***

Grade Level                9

Description                This three-trimester course serves as an introduction to the study of high school English for ninth grade students. It combines the study of grammar, composition, speech, and literature. A variety of literary forms will be introduced. Writing assignments, including a research paper, will be completed using the writing process. Students will read Shakespeare's *Romeo and Juliet* and several novels such as *Monster*, *Night*, *The House on Mango Street*, and *The Odyssey*

***Course***                    ***Basic English 10 - 1 credit***

Prerequisite                Successful completion of English 9

Grade Level                10

Description                This two-trimester course builds on the knowledge and skills developed during the previous year's study of English. It combines the study of grammar, composition, speech, and various forms of literature. Writing assignments will continue to be completed using the writing process. All students will be expected to write an I-Search paper that may involve job shadowing. Students will be required to read and discuss a variety of literary selections.

**Course** *Basic English 11 - 1 credit*  
Grade Level 11  
Description This two-trimester course will offer a comprehensive study of grammar, literature, composition, and speech. Emphasis will be placed on gaining further competency in grammar, punctuation, and vocabulary. Compositions and speeches of varying lengths will be required. Students will also read short stories, plays, and poetry. Literary terms and related skills begun in grades 9 and 10 will be reviewed; while more advanced concepts will be introduced.

**Course** *Basic English 12 - 1 credit*  
Grade Level 12  
Description All 12<sup>th</sup> graders must take English 12 or A.P. English. This two-trimester course combines English instruction with practical applications in real life situations. Students will be expected to write a variety of assigned papers as well as complete a senior project. Novels will be assigned for outside reading. Communication skills necessary for success in the work environment will be stressed including gathering and communicating information, communicating with co-workers, participating in groups, and giving and following directions.

**Course** *Algebra Concepts – 1/2 elective credit*  
Prerequisite none  
Grade Level 9, 10,  
Description Algebra Concepts is for the 9<sup>th</sup> grade student who wants to ensure he/she is best prepared for the rigor that is presented in high school mathematics courses. This course will present an in-depth review of algebraic ideas that have been studied throughout the middle grades, as well as further support the students' skills with numbers and operations, such as problems solving with rates, ratios, and proportions, computing with rational and irrational values, understanding directly proportional and linear relationships, exploring linear functions and using algebraic understanding to solve applications.

**Course** *Basic Algebra 1 – 1 credit*  
Prerequisite Successful completion of 7<sup>th</sup> & 8<sup>th</sup> grade math or Algebra Concepts  
Grade Level 9  
Description Algebra I builds on the study of functions and representations begun in the middle school grades. This is done by broadening the study of linear relationships to include piecewise functions, systems of equations, formal function notation, and data analysis. Additional topics will include: rules of exponents, quadratic equations, exponential equations, and polynomial patterns of change and the applications they model. Students will develop an understanding that algebraic thinking is an accessible and powerful tool that can be used to model and solve real-world problems.

**Course** *Basic Geometry – 1 1/2 credits*  
Prerequisite Algebra I  
Grade Level 9, 10,  
Description Geometry builds on a number of key geometric topics developed in the middle grades, namely relationships between angles, triangles, quadrilaterals, circles, and simple three-dimensional shapes. It is expected that students beginning Geometry are able to recognize, classify, and apply properties of simple geometric shapes, know and apply basic similarity and congruence theorems, understand simple constructions with a compass and straight edge, and find area and volume of basic shapes. Students studying Geometry in high school, further develop analytic and spatial reasoning, and knowledge of formal proof. These topics allow for many rich real-world problems to help students expand geometric reasoning skills

<b>Course</b>	<b><i>Basic Algebra II 1 required (1 ½ earned)</i></b>
Prerequisite	Integrated Algebra I and Geometry
Grade Level	10, 11, 12
Description	The goal of Algebra II is to build upon the concepts taught in Algebra I and Geometry while adding new concepts to the student's repertoire of mathematics. Algebra II continues the study of exponential and logarithmic functions and further enlarges the catalog of function families to include rational and trigonometric functions. In addition to extending the algebra strand, Algebra II will extend the numeric and logarithmic ideas of accuracy, error, sequences, and iteration. Finally, students will develop an understanding that algebraic thinking is an accessible and powerful tool that can be used to model and solve real-world problems.
<b>Course</b>	<b><i>Basic Intro to Physical Science - 1 credit</i></b>
Grade Level	9, 10
Description	Physical Science is a laboratory-oriented course that emphasizes problem solving using scientific investigation and experimentation. The course will stress proper methods of equipment usage, collecting data, interpreting data, along with the understanding of physical science concepts. These include volume, mass, density, force, motion, work, power, energy, electricity, sound, and light. Metrics will be highly emphasized in all course work.
<b>Course</b>	<b><i>Basic Biology I - 1 credit</i></b>
Grade Level	9, 10
Description	The course is a two-trimester, one credit course in biology that builds a foundation by which students can further their studies in the life sciences. The major areas of study include scientific problem solving, cellular structure and function, life processes, heredity, basic anatomy, basic physiology, evolution, taxonomy and dissection of the fetal pig.
<b>Course</b>	<b><i>Basic U.S. History and Geography – 1 credit</i></b>
Grade Level	9
Description	The purpose of this two-trimester course is to increase the student's knowledge of historical events, improve their skills in evaluating information, and deepen their understanding of their American heritage. This course covers the 1870's to present day time period.
<b>Course</b>	<b><i>Basic World History and Geography – 1 credit</i></b>
Grade Level	10
Description	This is a state required class for tenth graders. This two-trimester class will survey the history of the world from its beginning to the present. Students will be looking at the world from a historical, geographical and modern viewpoint. This course covers the 600 BC to present day time period
<b>Course</b>	<b><i>Basic Economics – ½ credit</i></b>
Grade Level	11
Description	This is a one-trimester course where students will learn the basic concepts of economics, money management, and finances. Instruction will cover lectures and discussions while also making time for research projects. Students will also complete a junior project that maps out a financial future by exploring several career options.
<b>Course</b>	<b><i>Essential Resources – 1 credit</i></b>
Prerequisite	IEP
Grade Level	9, 10, 11, 12
Description	This course is designed to aid students in becoming self-directed learners. Units are taught in study skills, and test-taking strategies. Organizational skills are stressed throughout the year through the use of planners and progress reports. Students receive assistance with projects and daily assignments and provided accommodations per their IEP.

# Romulus High School Graduation Requirement Checklist

## Michigan Merit Curriculum Graduation Requirements

Students are required to successfully complete a total of twenty-seven and a half (27 ½) credits for graduation. If you are a transfer student contact your counselor for the number of credits needed for graduation. Students are also required to successfully complete the Michigan Merit Exam or MI ACCESS before being granted a diploma

Subject Area	Total Credits Needed	Description		
Mathematics	4	Algebra I	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
		Geometry	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
		Algebra II	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
		Senior math		
		_____	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
		_____	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
English Language Arts	4	English 9	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
		English 10	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
		English 11	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
		English 12/AP Eng.	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
Foreign Language	2	_____	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
		_____	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
Science	3	Biology	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
		Chemistry/Physics	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
		Physical Sci. /other	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
Social Studies	3	World History and Geography	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
		US History/AP History	<input type="checkbox"/> A (5 cr)	<input type="checkbox"/> B (5 cr)
		Federal Government		<input type="checkbox"/> (5 cr)
		Economics/AP Economics		<input type="checkbox"/> (5 cr)
		_____	<input type="checkbox"/> (5 cr)	
Physical Education	.5	PE		<input type="checkbox"/> (5 cr)
Health	.5	Health		<input type="checkbox"/> (5 cr)
Online Learning Experience	.5	Integrated Technology		<input type="checkbox"/> (5 cr)
Visual/Performing/Applied Arts	1	_____	<input type="checkbox"/> (5 cr)	
		_____	<input type="checkbox"/> (5 cr)	

# Graduation Plan

Student: \_\_\_\_\_ Date: \_\_\_\_\_

Credits Earned: \_\_\_\_\_ Credits Short: \_\_\_\_\_ Grade : \_\_\_\_\_

Credits needed to graduate: \_\_\_\_\_

Credit Recovery (After school E2020) Cost is \$200.00 per class and is for 1/2 credit.

Number of classes needed \_\_\_\_\_ for a total of \_\_\_\_\_ credits.

Summer School Each class is for 1/2 credit.

Number of classes needed \_\_\_\_\_ for a total of \_\_\_\_\_ credits.

Community Service One time for a total of \_\_\_\_\_ credits.

Must be pre-approved by the principal  
and all completed forms are due to the Main office by Friday, May 25, 2015.

Work Related Experience (WRE) 1 credit per trimester.

Must be pre-approved by student's counselor.  
\_\_\_\_\_ trimesters for a total of \_\_\_\_\_ credits.

Testing Out \_\_\_\_\_ class for 1/2 credit.

Other \_\_\_\_\_ for \_\_\_\_\_ credit.

returning as a 5<sup>th</sup> year student.

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Student Signature

Date

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Parent/Guardian Signature

Date

## ***FOUR-YEAR PLAN***

***Name:***

***Career choice:***

***Course of study:***     \_\_\_\_\_ *College Prep*    \_\_\_\_\_ *Vocational*    \_\_\_\_\_ *Fine Arts*

**9<sup>th</sup> Grade**

**10<sup>th</sup> Grade**

**11<sup>th</sup> Grade**

**12<sup>th</sup> Grade**