



# **Romeo High School**

## **Course Guide**

### **2024-2025**

*Course descriptions for  
Romeo High School*

Dr. Todd Robinson  
Superintendent of Schools

Mr. Bernie Osebold  
Principal

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# Romeo graduates will encompass and embody the following core values:

**Integrity    Perseverance    Empathy**  
**Adaptability    Curiosity**



# Introduction

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Dear Students, Parents and/or Guardians:

This course guidebook has been created to assist students in preparing a realistic schedule of classes for the next school year. A careful study of the facts contained in this booklet will provide the students and parents the information necessary to select the proper program of study. If problems arise, please contact your counselor for assistance.

It is our goal to provide enough class offerings so that all interest and aptitude levels can be satisfied. We would hope that our students select classes that challenge them and not merely meet graduation requirements. To accomplish this goal, all concerned should approach the selection process with a degree of seriousness. Otherwise, the classes taken may be of little value to the student.

The staff and administration at Romeo High School are here to assist students in any way possible to make their high school years a meaningful and enjoyable experience.

We wish you a successful and exciting high school career.

Mr. Bernie Osebold  
Principal  
Romeo High School

# Policy of Nondiscrimination

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Students, parents, and citizens of the Romeo School District:

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, and the Americans with Disability Act of 1990, it is the policy of the Romeo Community School District that no person shall, on the basis of race, color, religion, national origin or ancestry, gender, disability, age, height, weight, genetics 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. Any employee or member of the community of Romeo Community Schools, believing to be discriminated against should contact **Executive Director of Employee Services, 316 North Main, Romeo, Michigan 48065, 586-281-1429.**

Inquiries related to discrimination on the basis of "student" disability should be directed to: **Director of Special Services, 316 North Main, Romeo, Michigan 48065, 586-752-0212.**

## **Dr. Todd Robinson**

Superintendent

316 North Main

Romeo, Michigan 48065

Phone: 586-752-0225

## **GRIEVANCE PROCEDURE:**

### **Section I**

If any person believes that the Romeo Community Schools or any of the District's staff has inadequately applied the principles and/or regulations of (1) Title II, Title VI, Title VII of the Civil Rights Act of 1964, (2) Title IX of the Education Amendment Act of 1972, (3) Section 504 Of the Rehabilitation ct of 1973, and/or (4) The Americans with Disabilities Act, s/he may bring forward a complaint, which shall be referred to as a grievance, to the District's Civil Rights Coordinator.

Civil Rights Coordinator

Executive Director of Employee Services

Romeo Community Schools

316 North Main

Romeo, Michigan 48065

586-752-0230

### **Section II**

The person who believes she/he has a valid basis for grievance shall discuss the grievance informally and on a verbal basis with the District Civil Right Coordinator, who shall in turn investigate the complaint and reply with an answer to the complainant. S/He may initiate formal procedures according to the following steps.

#### **Step 1**

A written statement of the grievance signed by the complainant shall be submitted to the District Civil Rights Coordinator within five (5) business days of receipt of answers to the informal complaint. The coordinator shall further investigate the matters of grievance and reply in writing to the complainant within five (5) business days.

**Step 2**

If the complainant wishes to appeal the decision of the District Civil Rights Coordinator, she/he may submit a signed statement of appeal to the Superintendent within five (5) business days after receipt of the Coordinator's response. The Superintendent shall meet with all parties involved, formulate a conclusion, and respond in writing to the complainant within ten (10) business days.

**Step 3**

If the complainant remains unsatisfied, s/he may appeal through a signed written statement to the Board within five (5) business days of his/her receipt of the Superintendent's response in step two (2). In an attempt to resolve the grievance, the Board of Education shall meet with the concerned parties and their representative within twenty (20) business days of the receipt of such an appeal. A copy of the Board's disposition of the appeal shall be sent to each concerned party within ten (10) business days of this meeting.

The District Coordinator, on request, will provide a copy of the District's grievance procedure and investigate all complaints in accordance with this procedure. A copy of each of the Acts and the regulations, on which this notice is based, may be found in the Civil Rights Coordinator's office.

# Policies and Procedures

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## Advanced Placement Programs

Romeo High School offers classes in English Literature, English Language, Spanish Language, German Language, Computer Science Principles, Calculus AB, Calculus BC, Statistics, Biology, Chemistry, Physics, U.S. History, U.S. Government and Politics, and World History, which prepare students to take an Advanced Placement (AP) test in the spring. With high scores on the exam, a student may earn college credit. Like other courses, students' course requests determine whether an AP class will be offered. Students who enroll in an Advanced Placement course should plan to take the Advanced Placement test. College credit is determined by the university the student plans to attend. Summer work is required for some Advanced Placement courses and the Advanced Placement Agreement included below must be signed and on file.

## Advanced Placement Agreement

Student Name \_\_\_\_\_

The curriculum of an AP course is challenging and goes into greater depth with the academic material than regular courses. AP courses require students to use analytical thinking, reading, writing, and problem solving skills. AP courses are taught using college level materials and teaching strategies.

These demanding classes require more effort, time and skills than Honors or regular level classes and are recommended for highly motivated students.

We are delighted that you are considering enrolling in an AP class(es). However, we want all parents and students to completely understand the rigor of the class and the commitment required by the student. For this reason, we require that the student and his/her parent(s)/guardian(s) read and sign this agreement. Unlike most high school curricula that are separated by semesters, learning AP course material is an ongoing process culminating in the AP exam.

By signing this agreement, I understand that the following conditions and requirements apply:

- **I understand that I will not be able to drop an AP course except under very unique circumstances and with administrative approval. Contact your Academy Counselor if this is the case.**
- I thoroughly understand the class is taught as a college-level course
- I am responsible for all summer assignments prior to the first day of class
- I will participate actively and thoughtfully in class discussions and activities
- I will plan to attend extra class sessions and exam prep scheduled by the teacher
- I will put forth my best effort on practice examinations
- I will plan to register and prepare for the AP examination
- I understand that regular attendance is imperative for success in an AP course

I affirm that I have read this agreement and I will abide by its stipulations.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Date



## Physical Education Credit

Romeo High School students can earn 0.5 credit for his/her PE class for successful participation in a varsity or sub-varsity sport, or three years of successful participation in marching band. The student must still complete the Health/Fitness requirement. Eligible sports are: Baseball, Basketball, Cheer, Cross Country, Dance, Football, Hockey, Lacrosse, Soccer, Softball, Swim, Tennis, Track, Volleyball, Wrestling, and Marching Band. The [Physical Education Modification Request form](#) is included below or by clicking on the link provided:

## PHYSICAL EDUCATION MODIFICATION REQUEST FORM

STUDENT NAME: (please print) \_\_\_\_\_

DATE: \_\_\_\_\_ GRADUATION YEAR: \_\_\_\_\_ STUDENT ID#: \_\_\_\_\_

NOTE: In the case of the PE Waiver, the physical education credit will appear on the transcript as a CR. In order to receive credit in PE the student is required to complete one season of a sub varsity or varsity sport (list below), or three years of marching band, and complete the steps listed below. This form must be submitted during the academic year that the athlete participated in the sport, or third year of marching band. The student must still complete the Health/Fitness requirement.

Eligible sports: Baseball, Basketball, Cheer, Cross Country, Dance, Football, Hockey, Lacrosse, Soccer, Softball, Swim, Tennis, Track, Volleyball, Wrestling, and Marching Band

STEP 1) Student fills in the completed requirements:

Sub Varsity or Varsity Sport: \_\_\_\_\_ Date Completed: \_\_\_\_\_

STEP 2) Student obtains the Sub Varsity or Varsity Coach's signature. By signing this document you are verifying that the athlete has: (1) Successfully completed the season(s) and (2) Regularly attended and participated in practices/contests and associated rigorous physical activity.

Coach's Name: \_\_\_\_\_

Signature: \_\_\_\_\_

STEP 3) Student submits this document and Romeo High School Modifications without a Personal Curriculum Document to the Counseling Office.

-----  
Office Use Only:

Counseling Staff Signature: \_\_\_\_\_

Course History: \_\_\_\_\_

School Counselor Signature: \_\_\_\_\_

Date \_\_\_\_\_

*Signature indicates that the waiver has been received, verified, recorded, and placed in student permanent record folder.*

## **Class Drop/Add Procedure**

Student classes cannot be changed without going through the approved change of schedule process. Only in extenuating circumstances will student schedules be changed within the first 5 days of each semester.

## **Early Completion of High School Requirements**

Students who desire to be considered for early completion of high school must meet the following requirements:

1. Complete 29 credits, unless special permission has been granted by the administration to carry less than 22 credits because of special programs or extenuating circumstances. The credits must be completed in the normal day school program.
2. Completion of all subjects required for graduation.
3. Permission is subject to administrative approval.

## **Procedure**

The following steps must be followed in seeking approval for early completion of high school:

1. The completion of the application form for the Early Completion of High School. Application forms must be submitted 2 semesters prior to desired time of graduation. If an unusual circumstance or opportunity should arise after the deadline, the administration will consider these individual applications.
2. The parents and the student must sign the application form.

## **Grade Replacement Policy**

A grade may only be replaced if the same exact course is taken via the same medium (in-class vs. online). Students who repeat the same course via the same medium:

1. Will get the better grade for each semester
2. Will get a No Mark (NM) grade in place of the lower grade. (A No Mark grade does not calculate in the GPA).
3. Will not get credit for both classes. (Credit will be attached to the higher grade).
4. Before a grade is replaced/changed, students are responsible to submit an email to his/her counselor requesting the grade replacement after the course has been completed and grade published.

Students who repeat a course, but not the exact same course in the same medium, will receive the grade and credit for both courses (the second credit would be counted as an elective credit). Examples that would **not** be acceptable for grade replacement include, but are not limited to:

1. Replacing an in-class course with an online course (or vice-versa)
2. Replacing an honors course with a non-honors course (or vice-versa)
3. Replacing an AP course with a non-AP course (or vice-versa)

## **Grade Weighting Policy**

Advanced Placement (AP) courses are more academically rigorous, and considered college-level in nature. Students who enroll in these more challenging courses have the opportunity to have their grades weighted. Courses which have the designation of advanced placement (AP) in their title will be weighted with a multiplier of 1.1, when the student earns a C- or higher, in determining student grade point averages. Weighted grades will be reflected on student report cards for the final semester grade.

## **Personal Curriculum**

The Michigan Legislature has provided an opportunity for students to modify the State of Michigan graduation requirements. This modification is called a Personal Curriculum (PC). A student, his/her parent or guardian, or school personnel may request a Personal Curriculum. State statute allows personal curriculum modification in order to:

1. Go beyond the academic credit requirements by adding more math, science, English language arts, or world languages credits; or completing a department-approved formal career and technical education program
2. Modify the State Content Standards for Mathematics
3. Modify, when necessary, the credit requirements of a student with an Individualized Education Program (IEP).
4. Modify credit requirements for a student who transfers from out of state or from a nonpublic school and is unable to meet the MMC requirements

The Request/or Personal Curriculum form, along with a copy of the student's Educational Development Plan should be submitted to the student's counselor for consideration of a personal curriculum. Contact the counseling office for additional information.

## **Educational Development Plan (EDP)**

Every year, Romeo High School students will review and update their Educational Development Plan through Xello. This on-line learning experience will satisfy the Michigan Merit Curriculum online requirement. The use of Xello and an EDP allow students to choose the proper courses to prepare them for their post secondary studies or careers. All students are required to develop an EDP with guidance from school advisors. EDPs are "living" documents and are updated as student interests and abilities become more obvious and focused. The EDP is a secondary/postsecondary planning tool to direct the student's educational plan and career planning activities. The EDP documents a student's accomplishments at any given time in an overall career development and planning process. EDPs are representative of an individual's decisions and plans at various intervals in their educational experience.

## **State Standardized Testing Policy**

In order to be promoted or meet graduation requirements for a diploma, all Romeo Community Schools' students at the elementary, middle, and high school levels are required to take all M-Step, PSAT, SAT, WorkKeys assessments and/or any other State or Federal required assessments and are expected to put forth their best effort.

## **Testing Out Policy**

The Romeo Community Schools Board of Education recognizes the need to provide alternative means by which students achieve the goals of the district. Any high school student who wishes to test out of a course in which he/she is not enrolled may do so by taking one (1) or more assessments developed or selected by the school district and earning a qualifying score of at least a C+ (78%). This C+ or higher appears as a "CR" on the student's transcript, and will not be used to determine the student's GPA.

## **Middle School Credit Policy**

The Romeo Community Schools Board of Education recognizes the need to provide alternative means by which students achieve the goals of the district. Any middle school student who takes any course at the middle school that uses the same content and assessments as the high school's courses, (i.e. Algebra 1, German 1, and Spanish 1) can receive high school credit for passing that course, as defined in the grading policy. This credit for a course may be used to fulfill a course or course-sequence requirement, and may be counted toward the required number of credits needed for graduation. The grade the student receives at the middle school will count toward the high school GPA.

## Alternative Means of Earning Credit

Credits may be earned by alternative means with the approval of the administration.

- Independent Study
- College Level Courses
- Credit Recovery
- Testing Out
- Community Service
- Work Experience (when such a program is available)
- Online Learning

## Calculating your G.P.A.

Only semester grades are used in calculating grade point averages and honor roll status. Grades are averaged using the following 4-point scale:

A	=	4.0	B-	=	2.7	D+	=	1.3
A-	=	3.7	C+	=	2.3	D	=	1.0
B+	=	3.3	C	=	2.0	D-	=	.7
B	=	3.0	C-	=	1.7	F	=	.0

To calculate your GPA, add up the numbers and divide by the total number of classes. Keep your grades up and recalculate your GPA after each semester. Students planning to attend college should also determine their college prep GPA (core classes). Core classes are all English, foreign language, mathematics, science, and social studies classes that a student takes throughout their high school career. Most colleges are only interested in the grades students receive in these subjects. Courses which have the designation of advanced placement (AP) in their title will be weighted with a multiplier of 1.1, when the student earns a C- or higher, in determining student grade point averages. Weighted grades will be reflected on student report cards for the final semester grade.

## Dual Enrollment

Effective April 1, 1996, Public Act 160 and Public Act 258 of 2000, created the Postsecondary Enrollment Option Act, commonly referred to as dual enrollment. This law directs school districts to assist students in paying tuition and fees for courses at Michigan public or private colleges or universities.

1. Students in grades 9 through 12 may take up to ten postsecondary courses.
2. Students can qualify for dual enrollment by taking a qualifying assessment. The following table shows the complete list of scores that qualify students for dual enrollment:
3. 388.155 Rule 5 (2) The acts do not prohibit a district from supporting any pupil regardless of eligibility under these acts. A district may elect to support college level courses or career preparation courses for any pupil if it is in the best interest of the pupil.
4. Students must be enrolled in both the eligible school (public or private) and eligible postsecondary institution during the local school's regular academic year and must be enrolled in at least one high school class.
5. The college courses cannot be a hobby, craft, or recreation course, or in the subject areas of physical education, theology, divinity, or religious education.
6. School districts are required to pay an amount equal to the prorated percentage of the statewide pupil-weighted average foundation allowance, based on the proportion of the school year that the eligible student attends the eligible postsecondary institution. Eligible charges include tuition and mandatory course fees, material fees, and registration fees required by an eligible institution for enrollment in the course. *Eligible charges do not include transportation or parking costs or activity fee.*

If you are interested in dual enrollment, please contact your counselor by May 1 (for first semester) or October 1 (for second semester), and see the Dual Enrollment link on the Counseling page of the RHS website for details.

# DIVISION I ACADEMIC REQUIREMENTS

To study and compete at a **Division I school**, you must earn 16 NCAA-approved **core-course credits**, earn a minimum 2.3 **core-course GPA** and submit your final transcript with proof of graduation to the Eligibility Center.

## CORE-COURSE REQUIREMENTS

Earn 16 NCAA-approved core-course credits in the following areas:

<b>ENGLISH</b>	<b>MATH</b> (Algebra I or higher)	<b>SCIENCE</b> (Including one year of lab, if offered)	<b>ADDITIONAL</b> (English, math or science)	<b>SOCIAL SCIENCE</b>	<b>ADDITIONAL COURSES</b> (Any area listed to the left, world language or non-doctrinal religion/philosophy)
<b>4 years</b>	<b>3 years</b>	<b>2 years</b>	<b>1 year</b>	<b>2 years</b>	<b>4 years</b>

For Division I, 10 of your 16 NCAA-approved core-course credits must be completed before the start of your seventh semester, including seven in English, math or science.

## QUALIFIER

As a Division I qualifier, you may practice, compete and receive an athletics scholarship during your first year of full-time enrollment at an NCAA Division I school.

- » Earn 16 NCAA-approved core-course credits in the right areas.
  - Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of the seventh semester.
  - Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade.
- » Earn a minimum 2.3 **core-course GPA**.
- » Submit your final transcript with proof of graduation to the Eligibility Center.

## ACADEMIC REDSHIRT

As a Division I academic redshirt, you may practice during your first regular academic term and receive an athletics scholarship during your first year of full-time enrollment but may NOT compete during your first year of enrollment. You must pass either eight quarter or nine semester hours to practice in the next term.

- » Earn 16 NCAA-approved core-course credits in the right areas.
- » Earn a minimum 2.0 core-course GPA.
- » Submit your final transcript with proof of graduation to the Eligibility Center.

\* More information regarding the impact of COVID-19 can be found at [on.ncaa.com/COVID19\\_Spring2023](https://on.ncaa.com/COVID19_Spring2023).



# DIVISION II ACADEMIC REQUIREMENTS

To study and compete at a **Division II school**, you must earn 16 NCAA-approved **core-course credits**, earn a minimum 2.2 **core-course GPA** and submit your final transcript with proof of graduation to the Eligibility Center.

## CORE-COURSE REQUIREMENTS

Earn 16 NCAA-approved core-course credits in the following areas:

<b>ENGLISH</b>	<b>MATH</b> (Algebra I or higher)	<b>SCIENCE</b> (Including one year of lab, if offered)	<b>ADDITIONAL</b> (English, math or science)	<b>SOCIAL SCIENCE</b>	<b>ADDITIONAL COURSES</b> (Any area listed to the left, world language or non-doctrinal religion/philosophy)
<b>3 years</b>	<b>2 years</b>	<b>2 years</b>	<b>3 years</b>	<b>2 years</b>	<b>4 years</b>

## QUALIFIER

As a Division II qualifier, you may practice, compete and receive an athletics scholarship during your first year of full-time enrollment at an NCAA Division II school.

- » Earn 16 NCAA-approved core-course credits in the right areas.
- » Earn a minimum 2.2 **core-course GPA**.
- » Submit your final transcript with proof of graduation to the Eligibility Center.

## PARTIAL QUALIFIER

If you have not met all of the Division II academic standards, you will be deemed a partial qualifier. As a partial qualifier, you may practice and receive an athletics scholarship, but may NOT compete, during your first year of full-time enrollment at an NCAA Division II school.

\* More information regarding the impact of COVID-19 can be found at [on.ncaa.com/COVID19\\_Spring2023](https://on.ncaa.com/COVID19_Spring2023).

 **DIVISION II**  
**MAKE IT YOURS**



## Academies at Romeo

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# THE ACADEMIES AT ROMEO HIGH SCHOOL

All academies offer:

- Small learning communities
- Learning through a career lens
- Business and community engagement

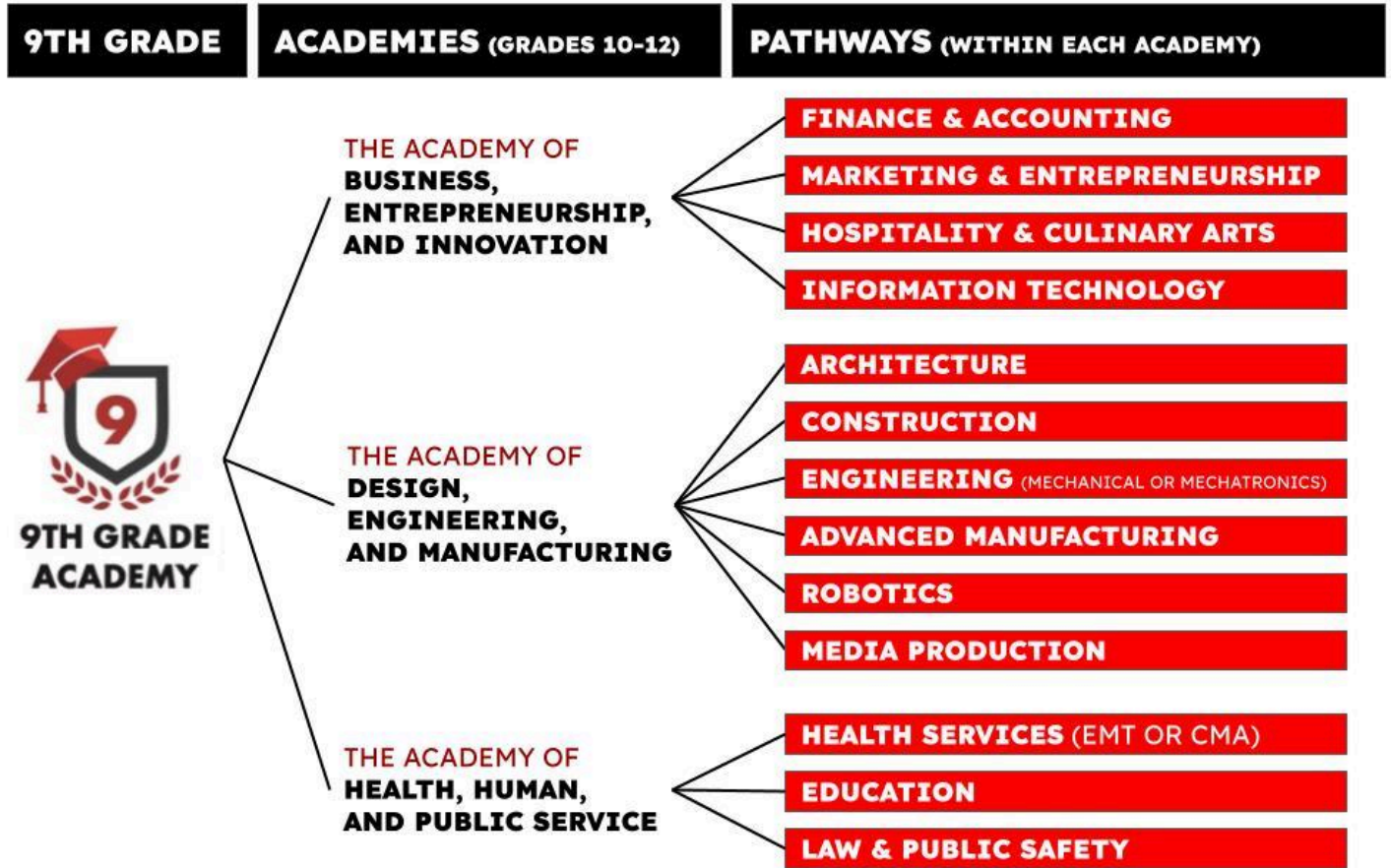
The Academies at Romeo Include (more information below):

- 9th Grade Academy
- Academy of Business, Entrepreneurship & Innovation
- Academy of Health, Human & Public Service
- Academy of Design, Engineering & Manufacturing

Recognized Benefits of Academies:

- Increased graduation rates
- Increased participation in advanced courses
- Increased achievement scores
- Decreased discipline referrals
- Prepared for college, career & life





### 9th Grade Academy

All 9th grade students will be a part of the 9th Grade Academy. The main purpose of the 9th Grade Academy is to support students in a smaller learning environment to help them succeed in high school. This includes, but is not limited to, regular and personalized check-ins and interventions; building relationships with students; and teaching and reinforcing study skills, study habits, test taking strategies, and organizational skills. Students will also be exposed to various career paths and colleges in an effort to help them stay focused on the overarching goal of college and career readiness.

### Career Academies

Upon entering 10th grade, students will be a part of one of three career academies; Academy of Business, Entrepreneurship, and Innovation; Academy of Design, Engineering, and Manufacturing; and Academy of Health, Human, and Public Services. Students will also focus on a pathway within each academy that best fits his/her interests. It is important to state that we do not expect a 15 year old student to choose his/her career path. However, by learning traditional subject matter (English, math, science, social studies, etc.) in the context of an actual real world career will provide a richer, more engaging, and more applicable learning environment; exactly what students have been saying they want and need for years (and also answering the questions of "When will I ever need this?" and "Why am I learning this?").



# Graduation Requirements

1. Students who do not meet the credits required (outlined in table below) by graduation year will not be able to participate in his/her class commencement. If those students wish to receive a current Romeo High School diploma, without commencement participation, they must complete and pass the necessary credit recovery courses by August 1 of their Senior year.
2. Seniors must attend as full-time students their final year at Romeo High School. Full-time is defined as attempting to earn 4 credits per semester during senior year. Students who have lost credit in a class must still attend to maintain full-time status.

## Subjects Required for Graduation

<b>English: Grades 9-12</b>	<b>4 credits</b>	<b>*Social Studies: 9-12</b>	<b>3 credits*</b>
English 9 or Honors English 9	1 credit	U.S. History or Honors U.S. History	1 credit
English 10 or Honors English 10	1 credit	World History or AP World History	1 credit
English 11 or AP Lit. or AP Lang.	1 credit	Civics	½ credit
English 12 or AP Lit. or AP Lang.	1 credit	Economics	½ credit
		AP Government (can replace Civics)	1 credit
		AP Microeconomics (can replace Econ)	1 credit
<b>Mathematics: Grades 8-12</b>	<b>4 credits</b>	<b>Physical Education: Grades 9-12</b>	<b>1 credit</b>
Algebra 1	1 credit	Physical Education	½ credit
Geometry or Honors Geometry	1 credit	Health	½ credit
Algebra 2 or Honors Algebra 2	1 credit		
1 addtl. math or math related in senior year	1 credit	<b>World Language: Grades 8-12</b>	<b>2 credits</b>
<i>Students must take math credit 12th grade year</i>		German or Spanish	2 credits
<b>*Science: Grades 9-12</b>	<b>3 credits*</b>	<b>Career Pathway Courses</b>	<b>3 credits</b>
Biology or Honors Biology	1 credit	10th grade pathway course	1 credit
Chemistry or Honors Chemistry or Physics or Honors Physics	1 credit	11th grade pathway course	1 credit
3rd year Science elective	1 credit	12th grade pathway course	1 credit
<i>*4th science credit or 4th social studies credit are required</i>			

## Elective Courses

**8 credits**

The remaining total required credits may be chosen from electives in the following:

Applied Arts: Business, CTE, Life Management	Performing Arts	Visual Arts
English	Science	World Languages
Mathematics	Social Science	Physical Education

## Credit/Course Length Equivalency

Year Long courses equate to 1 credit. One Semester courses equate to ½ credit

# Course Offerings

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**Note: All courses are subject to teacher availability and student interest**

## Course Description Sample and Key

Here is a sample course description. The following section is the key to reading it:

### GERMAN 1

*Grades: 9-12*

*Duration: Full Year*

*Prerequisite: None*

In beginning German, emphasis is placed on the four skills of language learning: listening, speaking, reading, and writing. Listening and speaking are enhanced through paired conversational and whole group activities. Students improve their listening ability through a variety of video and audio media, including video and audio tapes, computer games, and the Internet. Multicultural awareness is developed through the activities of the curriculum. The increasing proficiency in listening and speaking provides a smooth transition to beginning reading and writing.

1. The first item in every description is the course title.
2. Under the course title is italicized information including:
  - The grade level(s) at which the course may be taken;
  - The number of credits it is worth;
  - The prerequisite requirements [course(s) or conditions which must be completed or met before you may enroll in this course].
3. Below the italicized information is the actual course description. Information provided will describe the content, operation and/or objectives of the course. Students may check with their counselor, other students, and the teachers about specific details of operation and teacher expectations.
4. No courses may be retaken for additional credit unless specifically indicated.

Students may be charged fees for extracurricular activities when students are not graded or evaluated and academic credit is not given, or for an activity in which participation is not required for obtaining a diploma.

Students may be charged at cost for materials used to make special projects such as special wood, cloth, or metal. Students making such special projects must pay for this material, and the finished project is their property.

## CORE COURSES

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### **English Courses**

The English program at Romeo High School is engaging and recursive, focusing on the development of ideas and skills through writing, reading, speaking, listening, and viewing. In addition to meeting all 93 Michigan High School Content Expectations, all core classes fuse the required grade level disposition into the curriculum, which creates a guide for student learning and the development of thinking skills. Students are required to pass four credits of English in order to graduate from Romeo High School. Students must earn credit in English 9 or Honors English 9, English 10 or Honors English 10, English 11 or an AP English class, and English 12 or an AP English class.

#### **ENGLISH 9: COMPOSITION WITH LITERATURE SURVEY**

*Grades: 9*

*Duration: Full Year*

*Prerequisite: None*

*Disposition: Inter-Relationships & Self-Reliance*

All ninth graders take this English course. The goal for English 9: Composition with Literature Survey is to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. In this course students will be introduced to the various genres of classic and contemporary narrative informational texts that will be read and analyzed throughout high school. Ninth grade students will connect with and respond to texts by analyzing relationships within and across families, communities, societies, governments, and economies. Through the lens of Inter-Relationships and Self-Reliance, they will consider how they build relationships, how their relationships impact others, and their responsibility to society. They will enhance the academic skill needed to be successful in high school through study skills mini-lessons emphasizing self-reliance and personal accountability.

#### **HONORS ENGLISH 9**

*Grades: 9*

*Duration: Full Year*

*Prerequisite: Grade of A or A- in 8th grade English, approval of current English teacher and course instructor.*

This course follows the same curriculum as English 9. However, students entering Honors English 9 should possess exceptional independent reading, writing, and study skills. Students should expect to master learning at an accelerated pace, as well as produce projects and coursework above and beyond English 9. Students will be expected to assume more responsibility for increased independent learning and decision-making. Students are expected to engage themselves in active classroom discussions and other means of presentation. This course is designed for the student who is preparing for advanced placement course work and is college bound. The course has a summer reading requirement.

#### **ENGLISH 10: COMPOSITION WITH AMERICAN LITERATURE**

*Grades: 10*

*Duration: Full Year*

*Prerequisite: English 9*

*Disposition: Critical Response and Stance*

The goal for English 10: Composition with American Literature is to continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, tests, and tasks. Tenth grade students will explore the rich heritage of American Literature and the impact history, politics, government, and culture had on the development of the American writer. Students will connect with and respond to both fiction and nonfiction texts through the critical response stance. They will learn to evaluate for validity and quality, to balance and expand their perspectives promoting empathy, social action, and appropriate use of power. Students will begin analyzing persuasive essays to gain an understanding of rhetorical devices.

## **HONORS ENGLISH 10**

*Grades: 10*

*Duration: Full Year*

*Prerequisite: 3.0 G.P.A, current English teacher's approval, and course instructor's approval.*

This course follows the same curriculum as English 10 and continues building from Honors English 9. Students entering Honors English 10 should possess exceptional independent reading, writing, and study skills. Students should expect to master learning at an accelerated pace, as well as produce projects and coursework above and beyond English 10. Students will be expected to assume more responsibility for increased independent learning and decision-making. Students are expected to engage themselves in active classroom discussions and other means of presentation. This course is designed for the student who is preparing for advanced placement course work and is college bound. The course has a summer reading requirement.

## **ENGLISH 11: COMPOSITION WITH WORLD LITERATURE**

*Grades: 11*

*Duration: Full Year*

*Prerequisite: English 10*

*Disposition: Transformational Thinking*

The goal for English 11: Composition with World Literature is to continue to build upon the foundation established in 9th and 10th grade developing knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. Students will develop their reading and writing skills by studying literature written by authors who are recognized for their significant literary contributions. Eleventh Grade students will also be taught the skills needed for success on the ACT, which include grammar instruction and argumentative writing strategies, as well as standardized test-taking techniques. Students will connect with and respond to texts through literary analysis and critical thinking. They will learn to use forward thinking to help make better decisions, to generate new ideas for solving problems, and to find wisdom. They will build a context for change in their lives and develop realistic plans for the future.

## **AP ENGLISH LANGUAGE AND COMPOSITION**

*Grades: 11*

*Duration: Full Year*

*Prerequisite: 3.0 G.P.A and current English teacher's approval*

The content of the course primarily focuses on nonfiction. Summer reading is required. Essays, journals, autobiography, biography, letters, and speeches will be the content of the reading portion of the course. The Advanced Language and Composition course trains students to become skilled readers and writers in diverse genres and modes of composition. As stated in the Advanced Placement course description for English exams, the Advanced Placement Language and Composition course purpose is "to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers." As the course progresses, students will become aware of their own composition process through self-assessment and evaluations by peers and the instructor. These skills will allow the student to read critically and write effectively in different modes in the college classroom and beyond. The students will be expected to take the Advanced Placement test in Language and Composition in May.

## **ENGLISH 12: COMPOSITION WITH LEADERSHIP LITERATURE**

*Grades: 12*

*Duration: Full Year*

*Prerequisite: English 11*

*Disposition: Leadership Qualities*

The course is a combination of previous senior seminars: Modern Authors, The Arts and Humanities, Expository Writing, and Technical Writing. Throughout the year, students will explore an academic topic, problem, issue, literary theme, idea or individual interest using the elements of research. Through this inquiry students will further their prior skills acquired by learning research methodology, ethical research practices, accessing, analyzing and synthesizing information. Students will demonstrate their writing abilities through all forms: creative, descriptive, expository, narrative, and persuasive as well as research, technical, and poetry. Students will examine leadership qualities through self-analysis, and examples in literature, informational texts, and personal exploration. The course consists of four units of study. Each unit consists of core literary selections and assessments under the disposition of leadership. This course is a culmination of the knowledge gained through English studies, and instills leadership foundations in students to best prepare them for the future.

## **AP ENGLISH LITERATURE AND COMPOSITION**

*Grades: 12*

*Duration: Full Year*

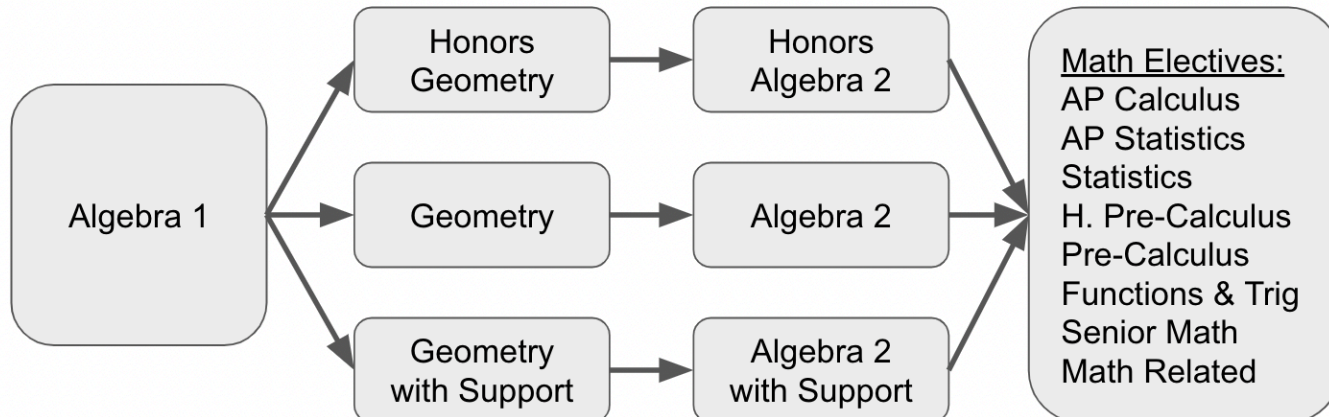
*Prerequisite: 3.0 GPA, current English teacher's approval, and course instructor's approval.*

This course is designed to enable capable, qualified seniors to take part in an English program that is equivalent of a college course in imaginative literature. Summer reading is required. Through close reading of selected texts, students will deepen their understanding of the ways writers use language to provide meaning and pleasure. Students will consider a work's structure, style and themes as well as point of view, syntax, and tone. A considerable amount of class time will be devoted to discussion and analysis of the student's own writing. Evaluation will be based on frequent papers (both long and short), examinations, class discussions, oral presentations and quizzes. In addition, all students will be expected to take the Advanced Placement Literature and Composition examination given in May.

*All other English courses are in the English Electives portion of the handbook*

## Mathematics Courses

### Math Sequence:



### **ALGEBRA 1**

*Grades: 9*

*Duration: Full Year*

Algebra I aims to deepen and extend student understanding built in previous courses by focusing on developing fluency with solving linear equations, inequalities, and systems. These skills are extended to solving quadratic equations, exploring linear, quadratic, and exponential functions graphically, numerically, symbolically, and as sequences, and by using regression techniques to analyze the fit of models to distributions of data.

### **GEOMETRY**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Algebra I*

Geometry aims to formalize and extend the geometry that students have learned in previous courses. It does this by focusing on establishing triangle congruence criteria using rigid motions and formal constructions and building a formal understanding of similarity based on dilations and proportional reasoning. It also helps students develop the concepts of formal proof, explore the properties of two- and three-dimensional objects, work within the rectangular coordinate system to verify geometric relationships and prove basic theorems about circles. Students also use the language of set theory to compute and interpret probabilities for compound events.

### **GEOMETRY SUPPORT**

*Grades: 10-12*

*Duration: Full Year*

*Recommendation: Students are placed in Geometry Support based on NWEA Scores and Algebra 1 Support teacher recommendation.*

Geometry Support was developed for students who need extra time and practice with current and previous concepts. Students in this class will be placed in Geometry and Geometry Support. This course is intended to help gain credit in Geometry and fill the gaps in their understanding of previous standards.

### **HONORS GEOMETRY**

*Grades: 9-12*

*Duration: Full Year*

*Recommendation: Algebra I with an "B" or better with teacher recommendation.*

This course follows the same curriculum as Geometry. However, students entering Honors Geometry should possess exceptional independent study skills. Students should expect to master in-depth learning at an accelerated pace. Students will be expected to assume more responsibility for increased independent learning and decision-making. Students are expected to engage themselves in active classroom discussions and other means of presentation. This course is designed for the student who is preparing for advanced placement course work and is college bound.

## **ALGEBRA 2**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Algebra I and Geometry*

Algebra 2 aims to apply and extend what students have learned in previous courses by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions.

## **ALGEBRA 2 SUPPORT**

*Grades: 11-12*

*Duration: Full Year*

*Recommendation: By teacher recommendation only and successful completion of Geometry. (do students have to successfully complete Algebra 1?)*

Algebra 2 Support was developed for students who need extra time and practice with current and previous concepts. Students in this class will be placed in Algebra 2 and Algebra 2 Support. This course is intended to help gain credit in Algebra 2 and fill the gaps in their understanding of previous standards; students will be assessed on these additional topics.

## **HONORS ALGEBRA 2**

*Grades: 10-12*

*Duration: Full Year*

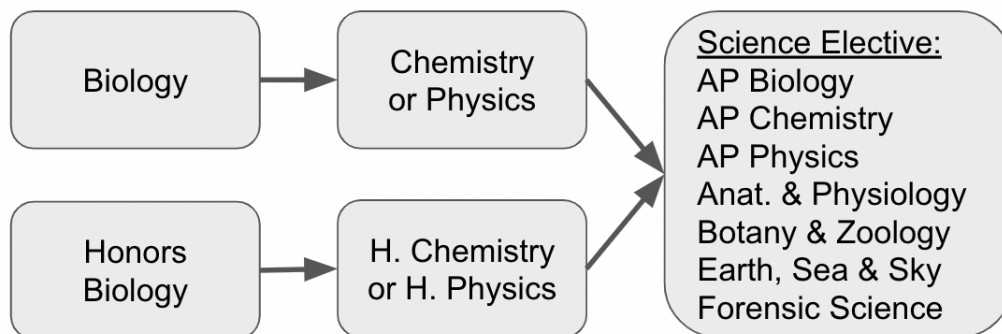
*Recommendation: Honors Geometry with a "B" or better, or Geometry with an "A." with teacher recommendation.*

This course follows the same curriculum as Algebra 2. However, students entering Honors Algebra 2 should possess exceptional independent study skills. Students should expect to master in-depth learning at an accelerated pace. Students will be expected to assume more responsibility for increased independent learning and decision-making. Students are expected to engage themselves in active classroom discussions and other means of presentation. This course is designed for the student who is preparing for advanced placement course work and is college bound. The course has a summer homework requirement.

*All other Math courses are in the Math Electives portion of the handbook*

## Science Courses

### Science Sequence:



### **BIOLOGY**

*Grades: 9*

*Duration: Full Year*

*Prerequisite: None*

This course is designed to expose students to detailed studies of living organisms. Some of the topics covered in Biology include biochemistry, cell structure and function, cellular metabolism, genetics, molecular biology, evolution, and microbiology. This course fulfills the full year requirement of biology as required for graduation.

### **HONORS BIOLOGY**

*Grades: 9*

*Duration: Full Year*

*Prerequisite: Teacher recommendation*

Honors Biology is designed to actively engage the student in the study of life science. This rigorous course covers basic biology concepts such as cellular and molecular biology, development and reproduction, genetics, evolution, and ecology. Laboratory experiences will allow students the opportunity for exploration and problem solving in life science.

### **CHEMISTRY**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

Chemistry is the study of matter and the changes that it undergoes. Basic chemical concepts such as physical and chemical changes, atomic structure, and chemical bonding are covered.

Laboratory work is an essential component of this course. This course fulfills the year requirement of chemistry as required for graduation.

### **HONORS CHEMISTRY**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Algebra 1 and teacher recommendation*

Honors Chemistry is a course intended for students that plan on pursuing a career in the medical field, the sciences, engineering, or technology. This rigorous course will cover chemical concepts integrating mathematics and advanced laboratory experiences while exploring atomic structure, stoichiometry, chemical reactions, and more. In comparison to Chemistry (non-Honors), this course requires more independent work, has a faster pace and explores a larger depth of knowledge. Students should expect homework on a regular basis and to prepare for assessments in class as well as outside of class.



## **PHYSICS**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

Physics is the study of matter and energy and the forces that affect them. Basic physical concepts such as light, electricity, and motion are covered. Laboratory work is a key component of this course. Physics is designed for students who intend to pursue a college major in the sciences, engineering, technological, or medical fields. This course fulfills the year requirement of physics as required for graduation.

## **HONORS PHYSICS**

*Grades: 10-12*

*Duration: Full Year*

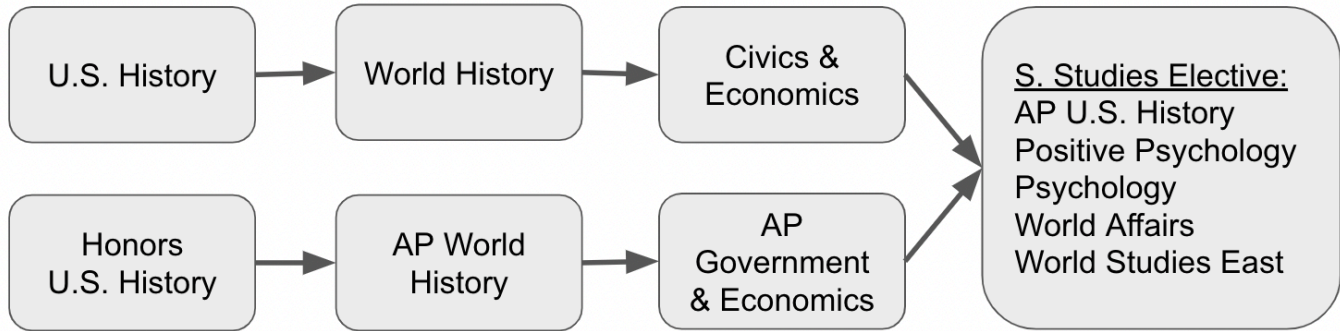
*Prerequisite: Algebra 1 and teacher recommendation*

Honors Physics is a course intended for students that plan on pursuing a career in the medical field, the sciences, engineering, or technology. This rigorous course utilizes a comprehensive approach integrating physics with mathematics and technology as topics such as kinematics, relativity, electricity, magnetism, and waves are explored.

*All other Science courses are in the Science Electives portion of the handbook*

## **Social Studies Courses**

### **Social Studies Sequence:**



### **U.S. HISTORY, 1890-PRESENT**

*Grades: 9*

*Duration: Full Year*

*Prerequisite: None*

All ninth graders are required to take this course. U.S. History, 1890-Present is designed to increase students' knowledge of the development of the United States as a democratic nation. This course is organized as a chronological survey (from 1890) of the American past with emphasis on major events, the role of geography in shaping history, influential individuals, and the ideas and problems comprising the American heritage. Specific topics include: imperialism, immigration, progress and reform, prosperity and depression, international conflicts, the U. S. as a world power and current social, domestic and international issues.

### **HONORS U.S. HISTORY, 1890-PRESENT**

*Grades: 9*

*Duration: Full Year*

*Prerequisite: Teacher Recommendation and grade of A or A- in 8<sup>th</sup> grade U.S. History.*

Honors U.S. History is designed to increase students' knowledge of the development of the United States as a democratic nation. This course is organized as a chronological survey (from 1890) of the American past with emphasis on major events, the role of geography in shaping history, influential individuals, and the ideas and problems comprising the American heritage. Specific topics include: imperialism, immigration, progress and reform, prosperity and depression, international conflicts, the U.S. as a world power and current social, domestic and international issues.

The secondary purpose of this course is to challenge students that excel, or find interest in American history. This class follows the same curriculum as all freshman U.S. History courses, and uses the same textbook, however, this honors course will keep a more intense pace/workload, and cover topics more in-depth. The underlying purpose of this course is to prepare its students for an Advanced Placement social studies or history course.

### **WORLD HISTORY AND GEOGRAPHY**

*Grades: 10*

*Duration: Full Year*

*Prerequisite: None*

All tenth graders are required to take this course. World History and Geography takes a global and comparative approach to studying the world and its past to develop a greater understanding of the development of worldwide events, processes, and interactions among the world's people, cultures, societies, and environment. The content will cover various global, interregional, and regional patterns and events that took place from 300 C.E./A.D. to the present.

## **AP WORLD HISTORY**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Instructor approval based on teacher recommendation and GPA of 3.0 or higher..*

AP World History provides a college-level investigation of significant events, individuals, developments, and processes in six historical periods from approximately 800 B.C.E. to the present. Students will develop and use the same skills, practices, and methods employed by historians: analyzing primary/secondary sources, making historical comparisons, utilizing reasoning, causation, and continuity and change over time, and developing historical arguments. This course provides five themes that students explore through the course in order to make connections among historical developments in different times and places. A special emphasis is placed on preparation for the AP exam.

## **CIVICS/ECONOMICS**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: None*

All eleventh graders are required to take these courses. Civics/Economics is designed to introduce students to the form and functions of the federal, state and local government in the United States. The course concentrates on an examination of our democratic government. The Constitution will be examined with an emphasis on civil rights and civil liberties. Students will also be introduced to the form and functions of the U.S. economic system, and the basic principles of economics, including microeconomics, macroeconomics and some elements of personal finance.

## **AP U.S. GOVERNMENT AND POLITICS**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Instructor approval based on teacher recommendation and GPA of 3.0 or higher.*

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students study foundational documents, Supreme Court decisions, and other texts/visuals to gain an understanding of the relationships and interactions among political institutions. Disciplinary practices include: read and interpret data, make comparisons and applications, and develop evidence-based arguments. A special emphasis is placed on preparation for the AP exam.

## **AP MICROECONOMICS**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Instructor approval based on teacher recommendation and GPA of 3.0 or higher.*

AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

*All other Social Studies courses are in the Social Studies Electives portion of the handbook*

## ACADEMY PATHWAY COURSES

As a part of the academy experience, all Romeo High School students are enrolled in a progression of three courses aligned with the career pathway they have chosen (see section on “Academies at Romeo Programs of Study Required Pathway Courses” for more information). The following section outlines these courses which are organized by academy and pathway. Additionally, all courses are available to all students, regardless of student pathway, as an elective course option. Students are encouraged to take various courses of interest to them to help them be well rounded citizens and explore various career interests.

### Business, Entrepreneurship, and Innovation Academy

Academy of Business, Entrepreneurship, and Innovation Programs of Study Required Courses				
	Finance & Accounting	Marketing & Entrepreneurship	Hospitality & Culinary Arts	Information Technology
<b>10th</b>	-Business Management	-Business Management	-Culinary Arts 1	-Emerging Technologies 1
<b>11th</b>	-Accounting 1	-Marketing	-Culinary Arts 2	-Emerging Technologies 2
<b>12th</b>	-Accounting 2	-Entrepreneurship	-Culinary Arts 3	-Emerging Technologies 3

### Business Pathway - Finance Focus

#### **BUSINESS MANAGEMENT TECHNOLOGY**

*Grades: 10-12                      Duration: Full Year*

*Prerequisite: None*

This course provides the opportunity to build a solid foundation of established business management principles and practices. Students will gain a strong foundation in Microsoft, which includes Word, Excel and Powerpoint, and then have the opportunity to become certified in two or all Microsoft applications. Students will research established businesses and be introduced to creating a business plan. The course also acquaints students with employment document preparation, business operations, accounting and finance, as well as merchandising and careers in the business field. Business skills covered include: communication, presentation, computer literacy, and organization.

#### **FINANCE - ACCOUNTING 1**

*Grades: 10-12                      Duration: Full Year*

*Prerequisite: None*

Learn the language of business! Accounting 1 is a one-year course which covers two types of businesses – proprietorships and partnerships. Each type of business is presented in a complete accounting cycle which covers analyzing transactions, journalizing, posting to ledgers, petty cash, planning worksheet, financial statements, adjusting and closing entries. Banking accounts will also be covered through a practical project. A business simulation will also be done to reinforce concepts of the accounting cycle. Computerized accounting will be introduced. Some computer knowledge will be helpful, but is not required.

#### **FINANCE - ACCOUNTING 2**

*Grades: 11-12                      Duration: Full Year*

*Prerequisite: Accounting 1*

This course is a continuation of Accounting 1. The course begins with a review of the accounting cycle. The remainder of the course will focus on the accounting cycles for partnerships and corporations. Topics covered will include departmental accounting, payroll, inventory, notes payable and receivable, and preparation of financial statements. Computerized accounting will be implemented. Some computer knowledge will be helpful, but is not required.

## **Business Pathway - Marketing Focus**

### **BUSINESS MANAGEMENT TECHNOLOGY**

*Course description above*

#### **MARKETING**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

The one-year marketing program provides the student with basic marketing knowledge and skills. Students will explore business vocabulary, specific skills and techniques in advertising, visual merchandising and display, selling, employability skills, purchasing, management, and numerous other areas related to marketing. Students will learn about how marketing and advertising play a role in today's economic society. This course engages in creativity, projects, and presentation.

#### **ENTREPRENEURSHIP & RETAIL (School Store Management)**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Marketing*

Entrepreneurship introduces students to the exciting world of creating and owning their own business. This course will cover marketing concepts, budgets, promotion, and other ownership concerns, including the development of a business plan. Course activities will be focused on developing the student's communication skills, initiative, creativity, flexibility, and problem solving techniques. Entrepreneurial theories will be reinforced with practical application through school store management. There will be a number of required after school responsibilities with store functions. This course engages in creativity and projects.

## **Hospitality & Culinary Arts Pathway**

#### **CULINARY ARTS 1**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

This full year class is the first year of a two year course sequence. The professional cooking skills class is the fundamental building blocks for our catering and restaurant program. This class does all of the preparation for the restaurant and catering events. Students will spend the first 10 weeks of class learning sanitation, kitchen safety, culinary terms, skills, and techniques necessary to work in the kitchen. The remaining of the year will be spent preparing food for the restaurant and culinary events.

#### **CULINARY ARTS 2**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Culinary Arts 1*

*This is a full year class and second year of a two year course sequence. This class is meant to emphasize on realistic "on the job" training. The students will spend the first 10 weeks of class learning sanitation, kitchen safety, culinary terms, skills, and techniques necessary to run the dining room and kitchen. The rest of the year the restaurant will be open for business. We will be stressing the different skills necessary to cook and serve for the restaurant and culinary events.*

#### **CULINARY ARTS 3**

*Grades: 12*

*Duration: Full Year*

*Prerequisite: Culinary Arts 2*

*Students in this third year class will be acting as managers and trainers for the culinary catering and restaurant program. During this year-long class, they will be learning advanced culinary and management skills. Students who would like to be considered for this class should be considering a career in Food Service. Students will be leading catering events along with creating catering menus, recipes and ordering products.*

## **Information Technology Pathway**

### **EMERGING TECHNOLOGIES 1**

*Grades: 10-12 Duration: Full Year*

*Prerequisite: None*

Emerging Technologies is designed to provide students with essential IT skills and knowledge needed to perform tasks commonly used by advanced end-users and entry-level IT professionals. Hands-on activities include building PCs, installing operating systems, and creating networking cables. Students will learn the basics of programming using python including: manipulation of strings, math operations, writing functions, and more. Students are required to pass a certification exam.

### **EMERGING TECHNOLOGIES 2**

*Grades: 11-12 Duration: Full Year*

*Prerequisite: Emerging Technologies 1*

In Emerging Technologies 2, students continue their pursuit of knowledge within the Information Technology field with a focus in Cybersecurity. Students will be asked to install, repair, configure, secure, and manage computer hardware, operating systems, and software in various environments. Students will use interactive labs that simulate real-life scenarios while having access to networking equipment and networking applications. Students are required to pass a certification exam.

### **EMERGING TECHNOLOGIES 3**

*Grades: 12 Duration: Full Year*

*Prerequisite: Emerging Technologies 2*

Emerging Technologies 3, incorporates best practices in hands-on trouble-shooting to ensure security professionals have practical security problem-solving skills. Students will learn about threats, attacks, vulnerabilities, incident response, forensics, and recovering/securing data and much more. Ambitious students have the opportunity to delve into ethical hacking. Students are required to pass a certification exam.

## Design, Engineering, and Manufacturing Academy

Academy of Design, Engineering, and Manufacturing Programs of Study Required Courses							
	Architecture	Construction	Advanced Manufacturing	Engineering		Robotics	Media Production
				Mechanical Engineering	Mechatronics Engineering		
<b>10th</b>	-Drafting & Design	-Construction 1	-Ad. Manufacturing 1	-Mech. Design 1	-Mech. Design 1	-Robotics	-Video Production 1
<b>11th</b>	-Architecture 1	-Construction 2	-Ad. Manufacturing 2	-Mech. Design 2 -Ad. Manufacturing 1	-Mech. Design 2 -Robotics	-Mechatronics 1	-Video Production 2
<b>12th</b>	-Architecture 2	-Construction 3	-Ad. Manufacturing 3	-Ad. Manufacturing 2	-Mechatronics 1	-Mechatronics 2 -Advanced Manufacturing 1	-Video Production 3

### Architecture Pathway

#### **DRAFTING AND DESIGN**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

Do you have an interest in cars, houses, buildings, models, designing or engineering? Do you like to draw, have ideas for inventions, or would like to improve your problem solving skills? Over the years, jobs have become more technical and skill intensive and most careers today have some sort of technical aspect to them. In this class, students will learn the basics of creating and reading drafted drawings and how to draw using AutoCAD 2020 and Inventor. Each student will design and construct hands-on projects and learn the basics for Architectural Design and Mechanical Design and Engineering.

#### **ARCHITECTURAL DESIGN 1**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Drafting & Engineering*

Do you have an interest in house design, interior design, or landscaping? Would you like to design your own dream home? In Architectural Design 1, students will learn about the design and construction of residential architecture and create a set of personalized house plans. Students will learn how to draft by hand and with AutoCAD 2020. Students will also create house presentation drawings in Photoshop, interior design boards, an on-line design portfolio, and learn about future careers and colleges related to the Architectural field. Articulation agreements with colleges are also available.

#### **ARCHITECTURAL DESIGN 2**

*Grades: 12*

*Duration: Full Year*

*Prerequisite: Architectural Design 1*

Did you enjoy Architectural Design 1 and would like to further learn about residential architecture and how to design commercial buildings such as restaurants or retail stores? Have you ever gone into a public building and thought you could design it better? In Architectural Design 2, these types of projects will be done using hand drafting, AutoCAD, Revit and Photoshop. Students will create their own set of construction documents, 3-D computer models, hands-on model building, presentation renderings, and interior design boards. Students will also leave the class with an on-line design portfolio compiled from the work accomplished in Architectural Design 1 & 2 to take to future career interviews and college. Articulation agreements with colleges are also available.

## **Construction Pathway**

### **CONSTRUCTION TRADES 1**

*Grades: 10-12                      Duration: Full Year*

*Prerequisite: None*

This course is an introduction to the construction industry. Students will learn how to use hand tools, power tools, and stationary machines with a strong emphasis on safety. Students will learn basic masonry, wall framing, wiring, plumbing, roof framing, roofing, drywall and the use of a transit. In addition, students will apply their newly acquired skills to general maintenance used around the house. Projects vary from semester to semester. Students who are considering a career in this cluster or interested in basic home improvement, should take this class.

### **CONSTRUCTION TRADES 2 and 3**

*Grades: 11-12                      Duration: Full Year*

*Prerequisite: Construction Trades 2: Construction Trades 1*

*Prerequisite: Construction Trades 3: Construction Trades 2*

The Construction Technology program is designed for students who are interested in careers in construction, architecture, engineering and management. The course will cover carpentry, electrical, plumbing, masonry, cement, roofing, heating and cooling, finish carpentry and renewable energy. Students will build a two story house in the construction tech lab which includes plumbing, electrical, kitchen, bathrooms, wood flooring, drywall, finish carpentry and project management. Additional projects, sheds, blinds, garages, concrete work, historical restoration, will vary depending on customer requests and collaboration with advisory committee suggestions. Helping students understand the process in the construction of a home as well as the skills involved in each trade is the goal of this program. This class is open to all students and may be taken more than one time for credit. Class is approved for math-related credit. Class approved for math-related credit. OSHA 10 cards will be earned along with the builder's 60 hours pre-licensure requirement.

## **Advanced Manufacturing Pathway**

### **ADVANCED MANUFACTURING 1 (formerly Machine Tool Trades 1)**

*Grades: 10-12                      Duration: Full Year*

*Prerequisite: None*

This metals class is an introduction to machine tool technology. The class will cover units in shop safety, basic precision measurement and layout work. Instruction is also given on the basic operations of metal cutting lathe, vertical milling machine, drill press, band saw, surface grinder, and introduction to CNC machining. Instruction of basic machining set-ups and operations on the lathe, mill, surface grinder and band saws is also covered. Integrated into the class will be applications of Algebra II and Geometry.

### **ADVANCED MANUFACTURING 2 and 3 (formerly Machine Tool Trades 2 and 3)**

*Grades: 11-12                      Duration: Full Year*

*Prerequisite: Advanced Manufacturing 2: Advanced Manufacturing 1*

*Prerequisite: Advanced Manufacturing 3: Advanced Manufacturing 2*

These courses are an advanced study of machine tool technology and are preparatory for anyone who is interested in the metal finishing field. The three levels of this course will revisit and delve deeper into shop safety, precision measurements, and layout work. Instruction will range from basic set-ups and operations on the lathe, mill, surface grinder, drill press, and band saws to complex set up in fixturing, product design and development. Students will cover computer numerical control (CNC) and CAD-CAM operations with emphasis on G&M code programming. Basic welding is also covered. Articulation with Macomb Community College can provide up to 12 credits in the applied technology program on a student's successful completion of levels 1 and 2 of this class. Integrated into the class will be applications of Algebra II and Geometry.



## **Engineering Pathway**

### **MECHANICAL DESIGN AND ENGINEERING 1**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

Do you have an interest in vehicle design, mechanical parts, product packaging or other aspects related to Mechanical Design? Do you like to figure out how things work and come up with new designs? Everything man-made that surrounds us has been designed by someone and the next product could be yours. In Mechanical Design 1, students will learn how to create mechanical drawings by hand, AutoCAD 2017, Inventor and Photoshop. Students will work on projects related to vehicle design, machining, packaging, 3D printing and have the opportunity to design and build hands-on projects. Students will create their own online professional portfolio and learn about college and future careers related to the Mechanical field. Articulation agreements with colleges are also available.

### **MECHANICAL DESIGN AND ENGINEERING 2**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Mechanical Design and Engineering 1*

In Mechanical Design 2, an advanced look at projects covered in Mechanical Design and Engineering 1 will be covered using hand drafting, AutoCAD, Photoshop, Inventor and other modeling software. Students will draft real-life parts and assembly drawings, create 3-D computer models, build hands-on models, and put together presentation boards for a new project. Students will leave the class with a professional portfolio compiled from the work accomplished in Mechanical Design 1 & 2 to take to future career interviews and college. Articulation agreements with colleges are also available.

*The Engineering Pathway requires a 4th pathway course to better prepare engineering students for the rigor of college engineering coursework. This also provides engineering students with two different areas of engineering focus; mechanical engineering and mechatronics engineering.*

Focus: Mechanical Engineering

**ADVANCED MANUFACTURING 1** (taken during junior year when also taking Mechanical Design & Engineering 2)

*Course description above*

**ADVANCED MANUFACTURING 2** (taken during senior year)

*Course description above*

Focus: Mechatronics Engineering

**ROBOTICS** (taken during junior year when also taking Mechanical Design & Engineering 2)

*Course description below*

**MECHATRONICS 1** (taken during senior year)

*Course description below*

## **Robotics Pathway**

*The Robotics Pathway requires a 4th pathway course (Advanced Manufacturing 1) to better prepare engineering students for the rigor of college mechatronics coursework. This Advanced Manufacturing 1 course may be taken during a student's 11th or 12th grade year. This course also provides robotics students the opportunity to learn to use the CNC milling machine and earn the Industry 1.0 Associate Basic Operations certification.*

### **ROBOTICS**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

This course is designed to help students master the fundamentals of robotics and the engineering design process. Students will design and build both autonomous and radio-controlled robotic devices in a fun, imaginative, and hands-on way. Concepts in science, technology, engineering and math are emphasized throughout the course. ROBOTC programming and Autodesk Inventor are used extensively in the build and design of robotic devices in this class. Students planning a career in engineering or a related technical field should carefully consider taking this course.

### **ADVANCED MANUFACTURING 1**

*Course description above*

### **MECHATRONICS 1 & 2**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Mechatronics 1: Robotics*

*Prerequisite: Mechatronics 2: Mechatronics 1*

This course is an in-depth exploration into the study of electronic circuit operation and design. Students will learn the basic "building block" circuits and how they function together to create electrical circuits of their own design – including PLC, automation, and power supplies. Concepts in circuit design are emphasized throughout the course. Students will learn troubleshooting and design of circuits. Fanuc robots and Allen Bradley PLC will also be covered. Any student planning a career in engineering or a related technical field should carefully consider taking this course.

## **Media Production Pathway**

### **VIDEO PRODUCTION 1**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

In this course, students will investigate television production, filmmaking and sound design. Students will be exposed to screenwriting, storyboarding, cinematography, editing techniques using Final Cut Pro and Motion software, audio production, and the entire production process. Students will learn appropriate vocabulary, grammatical usage, and stylistic structures specific to television and film production. Public Service Announcements, Documentary filmmaking, Television Broadcast, short movie trailers, and other industry related aspects of video production and broadcasting will be highlighted.

### **VIDEO PRODUCTION 2**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Video Production 1*

In the second course of Video Production, students have the opportunity to truly begin to gain advanced skills in all phases of the production process. Students will spend time learning advanced lighting and sound techniques, becoming adept at filming using DSLR cameras, and learning and polishing their skills in advanced areas of video editing. Students will participate in a wide variety of projects that serve to both educate and excite students on the amazing opportunities for creative expression that video/film production makes possible. Students will produce television news broadcasts, public service announcements, short films, and community service pieces. Students who take and pass both Video Production 1 & 2 classes in sequence and earn a C or better will be considered a completer.

## **VIDEO PRODUCTION 3 - NEWS AND BROADCASTING**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Video Production 1 and Video Production 2*

In the third course within the Video Production pathway, students will exhibit mastery in their production skills and practices. Students will become adept at filming using studio equipment, video switching, and audio mixing. Throughout the course, students will work in a lead production role (director, floor manager, producer, camera operator, lighting coordinator, sound mixer, editor, writer, and talent) to produce daily news broadcasts.

Students can expect to engage in team building and troubleshooting, creating graphics, branding and marketing, development of news packages, live streaming, and produce content that will be entered into media competitions.

## Health, Human, and Public Service Academy

Academy of Health, Human, and Public Service Programs of Study Required Courses				
	Health Services		Education	Law & Public Safety
	Non-Emergency	Emergency		
<b>10th</b>	-Medical Sciences 1	-Medical Sciences 1	-Child Growth & Learning	-Street Law
<b>11th</b>	-Medical Sciences 2	-Medical Sciences 2	-Introduction to Education	-Law Practices
<b>12th</b>	-Medical Field Study	-Emergency Medical Technician	-Future Educators	-Constitutional Law

### Health Services Pathway - Non-Emergency Focus

#### **MEDICAL SCIENCES 1**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

This course is designed to build on student's understanding of the healthcare industry by learning the roles and responsibilities of medical providers. They will study both disease and wellness of the human body along with diagnostic testing, patient care, and medical terminology. Students will also be exposed to and investigate a variety of careers within the medical field. They will develop skills for becoming future healthcare professionals, including: teamwork, safety, technical skills, the use of informational technology, communication, and professionalism. The class will require students to participate in independent research, clinical labs, project work, discussions, and at least one work-based learning experience.

#### **MEDICAL SCIENCES 2 (formerly Certified Medical Assistant)**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Medical Sciences 1*

This course provides instruction in clinical examining room procedures. Topics include infection control, assisting with exams and treatment, patient education, preparation and administration of medications, EKG, vital signs, and medical emergencies. The course covers the role of the medical assistant in the health care setting with an emphasis on professionalism, communication, attitude/behavior, and legal/ethical duties in the medical environment. The curriculum includes all facets of medical assisting pertinent to administrative, laboratory, and clinical procedures performed by this position.

#### **MEDICAL FIELD STUDY**

*Grades: 12*

*Duration: Full Year*

*Prerequisite: Certified Medical Assistant*

This course is designed to provide practical application to many of the concepts learned in Medical Sciences and CMA, as well as to introduce students to new topics related to non-emergency healthcare professionals. Students will gain experience in healthcare facilities to enrich their knowledge and skills required for a Health Science pathway. Field work will be complemented with projects to solve real-world problems, creation of a health career portfolio, and discussions of 21st century health concerns.

## **Health Services Pathway - Emergency Focus**

### **MEDICAL SCIENCES 1**

*Course description above*

### **MEDICAL SCIENCES 2 (formerly Emergency Medical Responder)**

*Course description above*

### **EMERGENCY MEDICAL TECHNICIAN**

*Grades: 12*

*Duration: Full Year; double block (runs on both A & B days of the block schedule)*

*Student must submit an application for approval*

*Prerequisite: Emergency Medical Responder*

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

## **Education Pathway**

### **CHILD GROWTH AND LEARNING**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

This full-year course meets the applied arts or elective requirement and is the first class in the series along the education pathway. Child development covers the full range of childhood and adolescence chronically, encompassing the prenatal period, infancy and toddlerhood, the preschool years, middle childhood, and adolescence. Within these periods the focus is on physical, cognitive, and social development. Students may observe and be actively involved with early childhood education programs.

### **INTRODUCTION TO EDUCATION**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Childhood Development*

Introduction to Education is a course designed for students interested in pursuing a career in the educational field and/or getting an inside glimpse at the world of teaching. Students will examine and research the topics of educational history, schooling options, and the certification process. Students will also study and practice teaching methodologies and strategies, lesson planning and classroom management. Students will participate in classroom observations and assist in a variety of classrooms.

### **FUTURE EDUCATORS**

*Grades: 12*

*Duration: Full Year*

*Prerequisite: Introduction to Education*

Experiential Learner is a course designed for students who wish to continue to explore the education field. Students will gain hands-on experience working in a classroom at the early childhood, elementary, or middle school level. Students will participate in many activities, including observing, tutoring, leading small groups, preparing a classroom, creating special projects, and eventually developing and teaching a lesson of their own. Students will also be responsible for turning in weekly attendance sheets, writing reflective journals, attending weekly class meetings and completing a field experience portfolio.

## **Law and Public Safety Pathway**

### **STREET LAW**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

This is an introductory course to law and legal systems in the United States. Street Law is a practical program of legal education designed to engage high school students in a critical examination of their legal responsibilities and rights. The course is designed to acquaint the student with the basic background of our judicial and criminal proceedings. It will include an examination of the personal rights guaranteed by the Constitution. Other topics include: The operation of our court system, civil and criminal suits, bail, the jury system, sentencing and the U.S. correctional system, and the development of our judicial system. In addition, this class will involve field trips to the 42nd District Court in Romeo, Macomb County Jail, Circuit Court, and the Michigan Supreme Court. Students will participate in mock trials in both civil and criminal cases. There will be opportunities for participation with the Macomb County Sheriff's Office Youth Law Enforcement Academy.

### **LAW 1 - LAW PRACTICES**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Street Law*

Law Practices is designed for the HHP Law/Public Safety pathway student. Law 1 is a year long social studies elective that serves as the second part of a 2 year course in which students investigate and explore the law and legal systems in the United States. Topics include The Court system, Introduction to Criminal Law, Defenses, The Investigative Phase, Proceedings Before Trial, The Trial, Sentencing and Corrections. Students will explore careers in law and public safety. Students will also learn and/or reinforce skills that are necessary for job performance in a career path in Law or public safety. Students will also have the opportunity to participate in Soap Box Nation and Teen Court

### **LAW 2 - CONSTITUTIONAL LAW**

*Grade: 12*

*Duration: Full Year*

*Prerequisite: Law 1*

Constitutional Law is a course designed to be the culminating course for students in year 3 of the Law/Public safety pathway. Students will utilize their knowledge of law/public safety, and writing/communication skills. Students will analyze Constitutional and ethical issues that arise in the practice of Law/Public safety. Students will demonstrate the ability to prepare written and verbal presentations both independently and as a team. Students will be offered the opportunity to participate in moot court scrimmages and competitions.

## ELECTIVE COURSES

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### English Electives

#### **CREATIVE WRITING**

*Grades: 11-12                      Duration: One Semester*

*Prerequisite: English 10 or Honors English 10*

In Creative Writing, students will learn to use various forms of creative expression: the short story, the personal essay, historical essay, and poetic forms. An emphasis is placed on personal, unique approach to a given idea or an idea generated by the students. Instruction and discussion focuses on style, elements of fiction, characterization, description, word usage, elements of poetry, and grammatical structure. To improve personal written expression, the class includes vocabulary development and reading and discussion of professional models. The students are occasionally required to read their work aloud for peer evaluation. The creation of a writing portfolio is part of the course.

#### **DEBATE**

*Grades: 10-12                      Duration: One Semester*

*Prerequisite: Speech or an instructor's approval*

*This class may be taken more than one time.*

The course will focus on the development of oral critical thinking, listening, reading, and writing skills within the context of learning persuasive communication strategies. Fundamental debate theory and technique will be studied and demonstrated through a variety of learning activities: Researching selected topics, constructing written arguments, participating in oral debates, and evaluating written and oral debate presentations.

#### **FORENSICS: ACTING INTERPRETATION AND PUBLIC SPEAKING**

*Grades: 10-12                      Duration: One Semester*

*Prerequisite: None*

*This class may be taken more than one time.*

This course focuses on developing and refining acting and public speaking skills. Students will independently work on directing, character development, and choreography in the following areas: storytelling, poetry, monologues, and duet scenes. The course will also focus on speech writing, visual aid development and presentation skills in: persuasion, informative and impromptu speeches. Students will also develop broadcasting and sales techniques.

#### **LANGUAGE ACQUISITION SUPPORT**

*Grades: 9-12                      Duration: Full Year*

*Prerequisite: None*

*Students may take this class more than once for credit as long as they earn a "C" or above.*

This support hour is designed for the student who is an English Language Learner. The purpose of this class is twofold: to help students succeed in core academic classes, and to provide an opportunity to practice reading, writing, speaking, and listening in the English language. Resources include school textbooks, the Oxford Picture Dictionary, target language games, and Rosetta Stone language learning software.

#### **NEWSPAPER**

*Grades: 10-12                      Duration: Full Year*

*Prerequisite: Writing for Publication or permission of instructor*

The main objective of the class is to produce the school paper. The course includes writing of news, feature and sports stories, editorials, photography, advertising, copy preparation, and layout. Students should be able to stay after school when needed to meet publication deadlines. In addition, students are required to sell advertisements for their publication. Students are encouraged to continue their work on the newspaper staff and; therefore, may take this class for credit more than once.

## **PHOTOJOURNALISM**

*Grades: 10-12*

*Duration: One Semester*

*Prerequisite: None*

This course will cover the use of the Digital SLR camera controls, including f/stops, shutter speeds, film speeds and the production of a correct exposure. Skills will include composition, criticism, lighting, and image editing software. Students will also learn the history and ethics of photography. Assignments will include creative use of the camera controls including depth of field and action motion, shadows and light, alternative camera angles, portraits, still life's, and compositions based on the principles and elements of design. Students will receive instruction, demonstration, and see samples of the desired outcomes. They will be allowed to go outside and shoot assignments, based on what they are learning. Students will post their photography work and writing on their digital portfolios.

## **SPEECH**

*Grades: 10-12*

*Duration: One Semester*

*Prerequisite: None*

This course is designed to provide the basic information necessary to organize and present an effective speech, to develop listening skills and to develop poise, presence and confidence. Included will be speeches to inform, to persuade, to improvise, to instruct, and to debate. The writing process will be used to outline and compose speeches.

## **WRITING FOR PUBLICATION**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

Introduction to Publications, journalism, is a yearlong course Students will learn the basics of both print and digital publications, including newspaper, magazine, and yearbook. Students will learn "hands on" in a project/ product-based setting, gaining knowledge and experience in both journalistic writing and design. Throughout the year, students will demonstrate their abilities in a variety of writing forms: creative, descriptive, expository, narrative, and persuasive, with a particular focus on informational/expository writing. Students will examine leadership qualities through self-analysis, and examples in literature, informational texts, and personal exploration. Skills taught and applied include: researching sources, developing an angle, writing leads, incorporating quotations into stories, organizing paragraphs, meeting audience needs, and advertising/marketing.

## **YEARBOOK**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Writing for Publication preferred*

***Written application, personal interview and yearbook advisor approval.***

In this course you will have the unique opportunity to capture the memorable events that occur throughout the year. Students will learn and practice advanced journalism writing, photography and desktop publishing skills as they produce the yearbook. Advertising and book sales will also be emphasized. Because deadlines are an extremely important part of the field of journalism and will be strictly adhered to, students should be responsible and ready to work.



## **Math Electives**

### **SENIOR MATH APPLICATIONS & EXPLORATIONS**

*Grades: 12*

*Duration: Full Year*

*Prerequisite: Algebra 1, Geometry, and Algebra 2 credit. Teacher approval required for this course.*

This is a senior level mathematics course in which students will explore various mathematics topics and apply their knowledge to real-life situations. Students will focus on the topics of data collection and analysis, be introduced to financial literacy and review previously learned mathematics concepts to better prepare them for their post-secondary education and/or career.

### **STATISTICS**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Geometry with "C-" or better*

This mathematics course is designed to help students develop a strong foundation of statistical concepts through hands-on activities. Students will summarize, represent, and interpret data along with making inferences and justify conclusions from sample surveys, experiments, and observational studies.

### **FUNCTIONS AND TRIGONOMETRY**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Algebra 2 with "C-" or better.*

This is a college preparatory mathematics course that covers the topics of functions and trigonometry through multiple representations. The functions topics include linears, quadratics, and polynomials. The trigonometry topics include sine, cosine, tangent, and co-functions.

### **PRECALCULUS**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Honors Algebra 2, Algebra 2 with a "B" or better with teacher recommendation, or Functions & Trig with a "B" or better. This course is intended to prepare students for AP Calculus AB or Calculus at the college level.*

This is an advanced college preparatory mathematics course that consists of topics selected from advanced algebra, trigonometry, conics, sequences, vectors and function analysis. This course is designed for the college-prep student with the objective of preparing him/her for Calculus or college level mathematics.

### **HONORS PRE-CALCULUS**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Honors Algebra 2, Algebra 2 with an "A" and teacher recommendation. This course is intended to prepare students for AP Calculus BC.*

Honors Precalculus is designed to develop an understanding of advanced mathematical topics such as curve sketching, families of functions, trigonometry, polar coordinates and equations, vectors, parametric equations, trigonometry, vectors, parametric equations and polar equations

### **AP CALCULUS AB**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Pre-Calculus with a "B" or better or TAPS with and "A" and teacher recommendation.*

This advanced mathematics course is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, axiomatic geometry, trigonometry, and analytic geometry (rectangular coordinates, equations and graphs, lines and conics). Students will study limits, derivatives, integrals and their applications. This course prepares students for the Advanced Placement examination in Calculus (level A-B). Students who pass the Calculus - Advanced Placement examination can earn college credit from institutions of higher learning.

## **AP CALCULUS BC**

*Grades: 12*

*Duration: Full Year*

*Prerequisite: Honors Pre-Calculus with a "B" or better with teacher recommendation.*

AP Calculus BC includes all AP Calculus AB topics. Additional topics include: derivatives of parametric, polar, and vector functions, applications of integrals, antiderivatives and polynomial approximations and infinite sequences/series. This course prepares students for the Advanced Placement examination in Calculus (level BC). Students who pass the Calculus - Advanced Placement examination may earn college credit from institutions of higher learning for several Calculus level classes.

## **AP STATISTICS**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: 3.5 GPA, Algebra 2, and teacher recommendation; Juniors must be concurrently enrolled in TAPS or Pre-Calculus.*

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will work on gathering and analysis of real world data. Ideas and computations presented in this course have immediate links and connections with actual events. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. This course prepares students for the Advanced Placement examination in statistics.

## **Science Electives**

### **ANATOMY AND PHYSIOLOGY**

*Grades: 11-12                      Duration: Full Year*

*Prerequisite: Biology with a "C" or better and Chemistry recommended*

The study of physiology and anatomy deals with the study of the human structure and function. This is a challenging course where students will attain a depth of understanding of anatomy and physiology fundamentals. The body will be studied system by system and the study will be coordinated with the required laboratory study of a represented mammal. This course is intended for students interested in a career in the medical or health fields.

### **BOTANY AND ZOOLOGY**

*Grades: 11-12                      Duration: Full Year*

*Prerequisite: Biology with a "C" or better*

A strong interest and background in biology is required to be successful in Botany and Zoology.

Botany is the study of specific characteristics of plant phyla. The physiology and anatomy of these organisms is studied in detail. A strong interest and background in biology is required.

Zoology is the study of specific characteristics of animal phyla. The main emphasis is on vertebrate organisms with a great deal of precise lab work including dissections.

### **EARTH, SEA AND SKY**

*Grades: 10-12                      Duration: Full Year*

*Prerequisites: None*

This integrated science course focuses on the relationships between geographical formations, geographical processes, natural disasters, weather, climate, stellar events, and their impact on our society.

### **FORENSIC SCIENCE**

*Grades: 11-12                      Duration: Full Year*

*Prerequisites: Biology and either Chemistry or Physics*

Students will apply concepts learned in biology, chemistry, and physics to the area of crime scene investigation by exploring topics such as fingerprinting, trace evidence, blood evidence, impressions, ballistics, and toxicology. Because students will scrutinize components of crime scenes through simulations and laboratory investigations, this course sets a priority on lab work, inquiry, and problem solving activities - both individually and in a group setting. It should be noted that because forensic science deals with solving crime, students will be exposed to sensitive topics such as death, violent crime scenes, disturbing images, and firearms.

### **AP BIOLOGY**

*Grades: 11-12                      Duration: Full Year*

*Prerequisite: Biology and Chemistry with a "B" or better and teacher recommendation.*

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. A special emphasis is placed on preparation for the AP exam.

### **AP CHEMISTRY**

*Grades: 11-12                      Duration: Full Year*

*Prerequisites: Chemistry and teacher recommendation*

Advanced Placement Chemistry is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students who enroll in Advanced Placement Chemistry and pass the advanced placement exam can gain college credit in first year college chemistry. This is a rigorous course where students will attain a depth of understanding of chemistry fundamentals and a reasonable competence in dealing with chemical problems. The students will hone their ability to think clearly and express ideas orally and in writing with clarity and logic. A laboratory experience equivalent to that of a typical college chemistry course will be provided.

**AP PHYSICS**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Physics and teacher recommendation*

AP Physics C Mechanics is geared to prepare students for the AP Physics C Mechanics Examination. Students will focus chiefly on kinematics, with intermittent emphasis placed on integration with the AP Calculus BC curriculum. Students will practice and apply concepts in the laboratory. Time permitting, relativity, wave theory, and electricity & magnetism may be addressed.

## **Social Studies Electives**

### **AP UNITED STATES HISTORY**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Instructor approval based on teacher recommendation and GPA of 3.0 or higher.*

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. A special emphasis is placed on preparation for the AP exam.

### **POSITIVE PSYCHOLOGY**

*Grades: 10-12*

*Duration: One Semester*

*Prerequisite: N/A*

This is a unique course focusing primarily on research from positive psychology, along with behavioral, motivational, neuro and organizational sciences. Positive psychology is now among the most popular courses offered at some of the most elite academic institutions in the world, including Harvard, Yale & Penn State. This rapidly growing field dives into the scientific study of the good life, what makes us happy, but also what helps us become the best versions of ourselves. This course focuses on research from the field of positive psychology with research on habits, motivation, stress responses, resilience skills, focus, productivity, resource use, relationship-building to create a one-of-a-kind learner experience. One that aims not only to enhance the general performance of individuals who take it, but their overall satisfaction with their lives, as well.

### **PSYCHOLOGY**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: None*

Psychology provides students with a systematic and scientific approach to the study of human behavior and mental processes. Students will study various aspects of human behavior including theories of personality and aspects of thought processes. This year-long course will dive deeply into states of consciousness, motivation and emotion, and how those realms are interwoven into our everyday lives. Psychology will also touch on the basic areas of mental illness, selected areas of abnormal psychology, sociocultural psychology and the concept of industrial organizational psychology.

### **SOCIOLOGY**

*Grades: 10-12*

*Duration: Semester*

*Prerequisite: None*

This course is designed to present the basic concepts of sociology. Students will study the origin and development of human society and community life. Sociology deals with the facts of crime, poverty, marriage, divorce, education, etc. The course will explore these basic institutions of contemporary social life and the social relationships which humans develop in their interactions with one another.

### **WORLD AFFAIRS**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: None*

World Affairs looks at world situations and their ramifications on the United States. The study and use of current events/issues is a key element of the class. Special attention will be placed on the following topics: The United Nations, U.S. foreign policy, the war of terrorism, and global "hot spots" (places/situations of unrest). Information sources will be the internet, newspaper, magazines, television, and informative videos.

**WORLD STUDIES AFRICA**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: None*

World Studies Africa is designed to acquaint students with the history and culture of the vast continent of Africa and the interactions of its cultures with the outside world. Looking at the cultural regions of Africa both historically and presently, students will learn about key people, events, and ideas that have shaped the world today as we know it. The world studies class is highly recommended for all college prep students.

**WORLD STUDIES ASIA**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: None*

World Studies East is designed to emphasize the many facets of the history of the people of the world and will acquaint students with human experiences from western and non-western civilizations. The course is organized by culture region and focuses on people, ideas, and events that shape the world today as well as those which influenced the past. The course is designed to encourage an appreciation of the contributions of all humankind to the modern world. The world studies class is highly recommended for all college prep students.

## **Career & Technical Education Electives**

### **CTE WORK-BASED LEARNING PROGRAM**

*Grades: 11-12                      Duration: Full Year*

**Prerequisites:** *Excellent Attendance, Work Ethic, and Professionalism, Interest in their CTE Field of Study, Completion of one CTE Class with a grade of “B” or better*

**Co-requisites:** *Must be enrolled in a related CTE course concurrently with CTE Work-Based Learning Employment*

The one-year CTE Work-Based Learning Program is an opportunity for students to gain on-the-job work experience in a business and/or industrial office environment concurrently with CTE related classroom instruction. Classroom instruction allows the student to discuss programs and subject areas that will be confronted throughout their working career/life. Students must have demonstrated a good attendance record and personal attributes conducive to working in an office setting. All students in a CTE Work-Based Learning Experience must take the appropriate Career and Technical Education class and their CTE Work-Based Learning Experience concurrently. Students interested in a CTE Work-Based Learning Experience should talk to the CTE Work-Based Learning coordinator concerning current regulations before enrolling.

### **\*NEW\* AVIATION AND DRONE FLIGHT**

*Grades: 10-12                      Duration: Full Year*

*Prerequisite: None*

The drone industry is experiencing rapid growth with applications ranging from photography and video production to real estate, deliveries, transportation, military operations, architecture, engineering, and more. This course is designed to provide students with training on flying drones safely and with enjoyment. Students will learn drone terminology, explore various types of drones, understand laws and regulations, and learn where and when drone flights are permissible. Students will enhance their classroom learning experience through hands-on flights and scenario-based practical exercises as well as learn how to safely use, fix, maintain, and store a drone. Students will be prepared and have the opportunity to sit for the FAA 107 license, at the end of the course, opening doors to exciting opportunities in the drone industry as well as multiple others.

### **AP COMPUTER SCIENCE PRINCIPLES**

*Grades: 10-12                      Duration: Full Year*

*Prerequisite: None*

AP Computer Science Principles (CSP) is a full year, rigorous, entry level course that introduces students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. This class meets the math-related credit during that year.

### **BAKING & PASTRY ARTS**

*Grades: 10-12                      Duration: Semester*

*Prerequisite: None*

Students in this class will be preparing plated desserts, chocolates, specialty cakes, breads, and pastries. Students will also learn about food safety and sanitation, nutrition, pastry fundamentals, sustainability, purchasing, and product identification, culinary math, menu planning, and analysis, and bakery management. The production of the food prepared in class will be used for our student restaurant and catering events. Students will be required to help with out of school hours catering events and participate in Pro Start.

## **\*NEW\* CREATIVE METAL MANUFACTURING**

*Grades: 10-12 Duration: Semester*

*Prerequisite: None*

Course description

This course is designed to introduce students to the various processes to shape metal for both manufacturing and in art. Students will learn to adapt AutoCAD and Fusion 360 files to which will allow them to create both useful and artistic projects. Students will get hands-on experience programming and operating the CNC Plasma Table as well as be introduced to other CNC machines, 3D printers and hand tools. Concepts from machine tool, science, mechanical design, engineering and art will be utilized throughout the course. Students planning a career in engineering, art, design or advanced manufacturing would enjoy this course.

## **MEDICAL TERMINOLOGY**

*Grades: 10-12*

*Duration: One Semester*

The study of word origin and structure through the introduction of prefixes, suffixes, root words, plurals, abbreviations and symbols, surgical procedures, medical specialties and diagnostic procedures. The course will include definitions, spelling and pronunciation of medical terms as well as the ability to interpret medical records and abbreviations. The goal of this course is to provide the student with the basic knowledge in the use of medical terminology that is used in the various healthcare related fields.

## **MICROSOFT BUSINESS APPLICATIONS**

*Grades: 9*

*Duration: One Semester*

*Prerequisite: None*

This course will provide students with an in-depth knowledge of business applications within the Microsoft Office 2016 Suite and include projects in Word, Excel, PowerPoint, and Access. Students will be able to apply their skills in real life scenarios utilizing graphs, spreadsheets, and other tools within Office. Upon completion of this course, students will be eligible to take the Microsoft Office Specialist (MOS) certification exams in Word, Excel and PowerPoint. MOS certification is a widely recognized industry validation of their computer skills.

## **PERSONAL FINANCE**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

This course meets the applied arts, senior-math, or elective requirement. The content of this one-year course helps students to develop skills in managing their personal finances today and in the future and focuses on their development of critical knowledge and skills necessary for sound consumer decision-making in complex socio-economic environments. Areas of study include basic economics, financial planning, career exploration, budgeting, savings and investing, credit, and insurance. An extensive project allows students to individually experience many aspects of money management such as, exploring careers and the cost of tuition, budgeting on a fixed income, buying a car, evaluating insurance options, locating affordable housing, planning a vacation, and saving for the future.

## **WEB DESIGN**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

This one-year class will enable students to create their own Web pages and Web sites. The class provides students with basic knowledge of Hypertext Mark-up Language (HTML) and Cascading Style Sheets (CSS) as a foundation for building websites. Utilization of web design software will also be explored. Students apply their skills in the creation of Web pages using text, graphics, tables, frames, and forms with an emphasis on effective design and layout of Web pages and sites. Topics will include: Web page and Web site design; common HTML coding as well as proper and effective Web page format.



**WORLD CUISINE**

*Grades: 10-12*

*Duration: Semester*

*Prerequisite: None*

This course comprises the study, preparation, and presentation of foods and cooking methods from selected countries. In this course, students develop knowledge and a basic understanding of ethnic cooking including the cooking styles of Italy, France, Mexico, China, and various other Asian and American regions. In the process of learning these multi-national cuisines, the student develops additional technical skills in the preparation of the different foods. Students will be required to help with out of school hours catering events and participate in Pro Start.

## **Performing Arts**

### **Instrumental Music**

#### **CADET BAND**

*Grades: 9*

*Duration: Full Year*

*Prerequisite: 3 years of experience on a brass, woodwind, or percussion instrument, or permission from the director.* It is a performing group, which participates in concerts, Solo and Ensemble Festival and Band and Orchestra Festival. Marching band members perform at home football games, pep rallies, and can volunteer to take part in the pep band for away games. Marching band meets after school one to two times per week during the season. Attendance is required for sectional rehearsals, summer band camp, and all performances.

#### **CONCERT BAND**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: 4 years of experience on a brass, woodwind, or percussion instrument, or permission from the director.* The Concert Band is our second-level ensemble and is open to students in grades 10-12. This is primarily a sophomore group. This band performs at all varsity home football games, several parades, holiday and spring concerts, etc. Students also have an opportunity to be a part of the pep band, which performs at some away football games or other events. The Concert Band competes in District XVI of the Michigan School Band and Orchestra Association Solo and Ensemble Festival, Band Festival, and State Festivals if qualified. Attendance is required for sectional rehearsals, summer band camp, and all performances.

#### **SYMPHONY BAND**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Membership in the Symphony Band is determined by audition.*

The Symphony Band is our highest-level ensemble and is primarily composed of juniors and seniors. The marching band performs at all varsity home football games and several parades. The Symphony Band performs at holiday and spring concerts, Festivals, etc. The band is part of District XVI of the Michigan School Band and Orchestra Association, and participates at District Solo and Ensemble Festival, Band Festival, and at State Festivals when qualified. Participation in summer band camp, after school rehearsals, and all performances is required. Students choosing to participate in this class must have at least four years of experience on a brass, woodwind, or percussion instrument, and successfully auditioned for the group.

#### **JAZZ BAND**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Four years of band experience and permission of the band director.*

This performing ensemble is open to students with at least four years of experience on saxophone, trumpet, trombone, bass, guitar, piano or drum set, or other wind instruments with permission of the director. Students must be familiar with and be able to play all major scales and all forms of minor scales. Students will be expected to do improvised solos and participate in concerts throughout the year. All members must have permission from the director.

## **Theatre**

### **DRAMA**

*Grades: 9-12*

*Duration: One Semester*

*Prerequisite: None*

Creativity, improvisation, and performing can be part of your day with drama where you will learn the art of acting. We will also explore stage movement, role-playing, characterization, theatre language and performance. If possible, we will take field trips to see plays in the area. Attendance at a play is mandatory in order to write a critique paper.

### **THEATRE 1**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Drama "B" or better or teacher permission*

Improvisation, directing, acting, set design and audition skills are just a few topics covered in Theatre I. Various theatrical styles such as Greek, Shakespearean, British, as well as standard American comedy and drama will be developed. Students will also be involved in writing and performing children's productions to perform for elementary students.

### **THEATRE 2 – ACTING/PLAY PRODUCTION**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Theatre I "B" or better or teacher permission*

The focus of this course is to create a theatrical production company. As an ensemble, productions will be created and produced for the public. Students will be actively involved in acting, directing, writing, designing, and constructing each production. Involvement in Romeo Theatre Company (the after school program) is encouraged.

### **THEATRE - TECHNICIAN**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

If you would rather hold a hammer or a paintbrush than a microphone, this is the theater class for you. This class will create the show from the backstage perspective. Production teams will design and create the scenery, costumes, props, lighting, sound and publicity for individual projects as well as the Romeo Theatre Company after school productions. Being an after school technician is encouraged, but not required.

## **Vocal Music**

### **CONCERT CHOIR**

*Grades: 9-12*

*Duration: Full Year*

*Prerequisite: None*

Concert Choir is available to any student interested in performing in a choir, but not wanting to audition. Attendance at concerts is required. Emphasis is placed on learning the basics of reading music and on proper singing.

### **CHORALE**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Membership in Chorale is determined by audition.*

Chorale is available to anyone who successfully completes an audition with the director. Attendance at concerts is required. Emphasis is placed on achieving a full sound from each voice and on understanding and achieving proper blends and sounds in varying styles of music. The pace of chorale will be much faster than that of the other choir classes so only the serious vocal music student should consider this class. Students will be expected to be willing to sing solos and to understand how to read music.

### **MUSIC THEORY**

*Grades: 12*

*Duration: Full Year*

*Prerequisite: Permission of the band or vocal instructor*

This class is open primarily to senior instrumental or vocal music students interested in music composition or in continuing music in college. The class will cover all major and minor key signatures, all types of scales, reading music in all clefs, analysis and compositions and writing your own compositions. It will also cover the major periods of music history, the composers and their major compositions.

## **Physical Education**

**PHYSICAL EDUCATION 1 (Required For Graduation)** Can also be met by athletic participation-see below

*Grades: 9-12*

*Duration: One Semester*

*Prerequisite: None*

Physical Education: Students will participate in a variety of activities and sports that promote proper skill development, healthy attitudes, and physical fitness. Students will be introduced to things like weight training, aerobics, and other types of activities to help improve their own personal fitness. The class will require students to chart things like resting heart rate, calorie intake, calorie expenditure, diet, and BMI. Throughout the 20 week semester students will be responsible for creating a personal fitness plan. This plan will be evaluated at the end of the semester. Students may be given written as well as skill tests covering each of the units throughout the semester.

One-half required credit of Physical Education is allowed for successful completion of one season of the following school sports/related activities. The Romeo Community Schools Athletic Department must verify that the athlete has put in the physical activity necessary to excel at his/her sport in such a way that would satisfy the requirement:

Baseball	Dance	Marching Band	Tennis
Basketball	Football	Soccer	Track
Cheer	Hockey	Softball	Volleyball
Cross Country	Lacrosse	Swim	Wrestling

## **HEALTH**

*Grades: 9-12*

*Duration: One Semester*

*Prerequisite: None*

Health education provides students with information and skills that will enable them to make healthy decisions and deal with various health problems. Topics include developing the 7 health skills, body systems, nutrition, substance abuse, mental health, social health, chronic and communicable diseases including AIDS and other sexually transmitted diseases, personal safety, reproduction and human growth and development, CPR and AED training. Throughout the 20 week semester students will be responsible for creating a personal fitness plan. This plan will be evaluated at the end of the semester.

## **BASEBALL & SOFTBALL TECHNIQUES**

*Grades: 10-12*

*Duration: One Semester or Full Year*

*Prerequisite: None*

This class is designed for the student with an interest in the game of baseball. Course content includes history, rules, techniques (offensive and defensive), hitting, pitching, conditioning, and weight training specific to the game of baseball. This class will be offered in both the 1st and 2nd semesters.

\*May be repeated for credit.

## **FOOTBALL TECHNIQUES**

*Grades: 10-12*

*Duration: One Semester or Full Year*

*Prerequisite: None*

This class is designed for the student with a very strong interest in the game of football. The history of the game, rules, techniques, specific positional skills, conditioning and strength training specific to football will be emphasized. This class will be offered both 1<sup>st</sup> and 2<sup>nd</sup> semesters however seniors will not be allowed in class for 2<sup>nd</sup> semester.

\*May be repeated for credit.

## **\*NEW\* INTRO TO SPORTS OFFICIATING**

**\*This course has a cost of \$50 per student for each semester\***

*Grades: 10-12 Duration: One Semester*

*Prerequisite: None*

Intro to Sports Officiating prepares students to become skilled and knowledgeable sports officials. This course goes beyond textbooks, immersing students in a comprehensive learning experience that includes instructional modules, point-of-view video scenarios, and interactive activities. Through a blend of theory and practical application, students will learn the mechanics and philosophy of officiating in two sports. Comprehension quizzes at the end of each module solidify understanding, while practice and scrimmage settings provide hands-on opportunities to refine officiating skills and gain a true sense of the game. The course culminates with a state licensure exam, ensuring students are well-prepared to officiate in real-world settings. As a capstone, students are encouraged to officiate two live games in a local recreation or community league, reinforcing their expertise and preparing them for the exciting world of sports officiating.

## **TEAM SPORTS**

*Grades: 9-12*

*Duration: One Semester or Full Year*

*Prerequisite: None*

Note: This course is a co-ed class.

The Team sports class expands on the basics taught in the PE I course in which skill progressions and strategies of each sport are emphasized. This class provides students with experiences that encourage participation and competition in sports activities and, at the same time, lead students to a greater appreciation of physical fitness throughout life. This class fosters individual skill improvement and will include written and skills tests. The first semester will include units in baseball/softball, football, soccer, basketball, hockey, and volleyball but will emphasize baseball/softball, football, and basketball, whereas the second semester will include all the named sports but will emphasize soccer, hockey, and volleyball.

\*May be repeated for credit

## **WEIGHT TRAINING AND FITNESS**

*Grades: 10-12*

*Duration: One Semester or Full Year*

*Prerequisite: None*

The weight-training program enhances an individual's cardiovascular fitness, muscular strength, endurance, and flexibility. Through a regular program of physical exercise and endurance training, students will seek to develop a sound body and mind. The first semester engages the students in a variety of weight training and fitness programs. The second semester allows students to develop personalized weight training and fitness programs based on specific goals. The instructor will critique and, if necessary, modify these programs. Grades will be based on weekly progress, monitoring of effort, written log of progress, and achievement of goals.

\*May be repeated for credit

## **Visual Arts**

### **ART FOUNDATIONS 2D**

*Grades: 9*

*Duration: One Semester*

*Prerequisite: None*

This is an introductory class that sets a great foundation for all other art classes focused on two dimensional art. Since this is a fundamental class, the intent is to build interest and develop general skills in the areas of drawing and painting.

### **ART FOUNDATIONS 3D**

*Grades: 9*

*Duration: One Semester*

*Prerequisite: None*

This is an introductory class that sets a great foundation for all other art classes. Students are introduced to a broad range of art forms and materials including basic ceramics, sculpture, and metals. Since this is a fundamental class, the intent is to build interest and develop general skills in these areas.

### **POTTERY**

*Grades: 10-12*

*Duration: One Semester*

*Prerequisites: None*

Students in Pottery are introduced to the basic hand-building techniques involved in making ceramic pottery. A variety of pottery methods will be introduced, including coil and slab construction. In this class, students will develop problem solving skills to create functional pottery pieces, such as mugs, plates, boxes, vases that show good use of design.

### **SCULPTURE**

*Grades: 10-12*

*Duration: One Semester*

*Prerequisites: None*

Students in sculpture are introduced to a wide variety of sculptural mediums and techniques. Students will explore a variety of mediums, not limited to clay alone. While there will be a heavy emphasis on clay sculpture, we will also spend time working with paper mache, metals, found objects, cardboard and plaster. Examples of projects are clay animals and creatures, architectural sculptures, altered books.

### **ADVANCED POTTERY AND SCULPTURE**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisites: Pottery and Sculpture*

Students in Advanced Pottery & Sculpture go above and beyond what they have learned in their first year. In this course, students work on creative ideas and push not only their level of skill and technique, but also push their creative thinking. More is asked of the students in Advanced, as they are required to think creatively and out of the box on higher level thinking projects. Quality and artistic expression is stressed. Students in Advanced Pottery & Sculpture work on projects that are different from those in beginning ceramics.

### **GRAPHIC DESIGN AND MOTION 1 (formerly Computer Graphics 1)**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisites: None*

Students in Graphic Design and Motion 1 are introduced to a variety of visual design programs in order to build a foundation of creative and technical skills. No computer or art experience is required. Emphasis is on developing practical working knowledge with a variety of graphic imaging and animation programs. Students get free access to the Adobe Creative Suite with emphasis placed on Photoshop, Illustrator, and After Effects. Approximately thirty different apps are available to install by students at home or on mobile devices. Students will explore a wide variety of projects that touch upon advertising, animated video and GIFS, and extraordinary digital photo manipulation.

## **GRAPHIC DESIGN AND MOTION 2 (formerly Computer Graphics 2)**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Graphic Design and Motion 1 (formerly Computer Graphics 1)*

Students will explore advanced graphic design techniques in a more independent atmosphere of learning. Emphasis will be on artistic and technical expression, independent problem solving, and portfolio building for beyond High School. A variety of graphics programs may be used to suit the strengths of each student.

## **DRAWING FUNDAMENTALS**

*Grades: 10-12*

*Duration: One Semester*

*Prerequisite: None*

The fundamentals of drawing will be explored in a fine arts approach. Units in drawing from life, drawing in perspective and basic shading and texture techniques will be covered. Students will incorporate the drawing mediums of pencil, pen and ink, and charcoal. Necessary drawing supplies such as paper, sharpie pens, and erasers will be provided.

## **DRAWING WITH COLOR**

*Grades: 10-12*

*Duration: One Semester*

*Prerequisite: None*

The fundamentals of drawing in color will be explored in a fine arts approach. Units in colored pencil techniques, oil pastel techniques and art movement exploration will be covered. Projects will be varied to emphasize personal expression and creativity. Materials used: paper, fixative, pastels, erasers, ink, tape, matte board, colored pencils, etc.

## **ADVANCED DRAWING**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Drawing Fundamentals and Drawing with Color*

This course will further advance students' understanding of drawing techniques introduced in Drawing I. Creative expression will be explored through the use of varied subject matter, techniques, and drawing implements. The course will broaden students' understanding of Art History, criticism, and aesthetics. Students will emphasize and explore personal meaning and/or intent within their own work.

## **PAINTING FOR DESIGN**

*Grades: 10-12*

*Duration: One Semester*

*Prerequisite: None*

In this course students will learn the basics of color theory, creating and mixing color, and blending paints to create works that focus on design. Students will be exposed to a variety of painting methods and styles, as well as learn about contemporary artists who paint with design as the focus. Students will slowly work toward self-expression of personal ideas. The primary focus of the class is painting, however basic drawing skills will be reviewed.

## **PAINTING FOR REALISM**

*Grades: 10-12*

*Duration: One Semester*

*Prerequisite: None*

The focus is on painting for realism. Students start out with very basic shapes and learn how to render them with accurate value and dimension, and slowly move to more complex forms. This course will also focus on a small amount of drawing because in order to paint well, students need some amount of drawing ability. Students will work on developing painting skills through various exercises and assignments as well as learning about color theory. Students will slowly work toward self-expression of personal ideas.

## **ADVANCED PAINTING**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Painting for Design and Painting for Realism*

Advanced painting students work alongside students in the regular painting class. Emphasis is on a refining of their skills, gaining more technical knowledge and really pushing original creative thought. Quality and artistic expression is stressed. Class projects may be tailored/modified to fit the advanced student's higher level of skill and ability.

## **INDEPENDENT STUDIES IN ART**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisites: Students must have successfully completed 2 years of art in the specific art content area desired for independent study. (Pottery, Sculpture, Drawing, Painting, Computer Graphics). Students must have signed instructor approval.*

This course is designed for upperclassmen that have an advanced ability in art and have already taken a full year of an advanced level art class. Students should plan to prepare a portfolio for art school and college admission. Projects and a plan of work will be established by the student and instructor. The class demands great self-discipline and motivation.

## **AP ART AND DESIGN**

*Grades: 11-12*

*Duration: Full Year*

***Students must have signed instructor approval.***

Students in AP Art & Design will pursue either a Drawing, 2D Design or 3D Design portfolio. This is a college level portfolio class. For this portfolio students must create a body of work that demonstrates a sustained investigation of a specific visual idea throughout the entire year. Good understanding of Design Principles and 'mark making' as well as documenting and writing about the artistic process are required. The final portfolio (consisting of 20 images of your work, documentation of revision and experimentation, as well as a written statement) is submitted in May to the AP College Board for possible credit toward a college studio art course. This course requires a strong work ethic and the ability to make art in a timely manner.

## **PHOTO GRAPHICS (formerly Digital Photography)**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: None*

The goal of Digital Photography is to help beginning students understand and master the digital camera as an artistic tool. This includes learning to manually adjust settings and functions needed for successful photographs. Students will also learn the keys to professional looking compositions, and how to use natural light to create beautiful images. Students will also explore photo editing software to edit and produce high quality images. No prior experience in photography or photo editing is necessary.



## **World Language**

**RECOMMENDATIONS:** Learning a second language is an important decision in today's increasingly global economy. Currently, a minimum of three years of foreign language study is recommended for college-bound students. While it is not a requirement for admission to some colleges, it is frequently a requirement for graduation in certain fields. Learning a second language helps students better understand English. It can also enhance study in areas of law, science, business, and medicine. Additionally, those who work in public service fields often find that knowledge of a second language strengthens their resumé. Because all foreign language classes emphasize cultural awareness, students benefit from an increased knowledge of self and a better understanding of cultures previously unknown.

## **INTERNATIONAL BUSINESS AND TRAVEL**

*Grades: 10-12*                      *Duration: Full Year*

*Prerequisite: None*

In this elective course, students will explore the culture, customs, geography, economies, and basic language of various countries in order to prepare them for travel for recreational or business purposes. This course would be an interesting and valuable elective for students who are considering international travel, international business, or working in the area of tourism. Our areas of focus will be Mexico, some Eastern European countries, China, and Japan. Students will be creating an independent project throughout the course of the year which delves deeper into a particular industry or region of their choosing. Our district business partners and guest speakers will provide their unique insight into international travel. This course would not take the place of a traditional college preparatory world language course in which two credits are recommended by the state of Michigan.

## **GERMAN 1**

*Grades: 9-12*                      *Duration: Full Year*

*Prerequisite: None*

In beginning German, emphasis is placed on the four skills of language learning: listening, speaking, reading, and writing. Listening and speaking are enhanced through paired conversational and whole group activities. Students improve their listening ability through a variety of video and audio media, including computer games, and the authentic materials. Multicultural awareness is developed through the activities of the curriculum. The increasing proficiency in listening and speaking provides a smooth transition to beginning reading and writing.

## **GERMAN 2**

*Grades: 9-12*                      *Duration: Full Year*

*Prerequisite: German 1*

This course is a continuation of German I with emphasis placed on the acquisition of communicative skills. Music, periodicals, readings, computer games, and other resource material, including the Internet, are used to supplement this course. Students must complete this course satisfactorily to elect German III.

## **GERMAN 3**

*Grades: 10-12*                      *Duration: Full Year*

*Prerequisite: German 2*

German III focuses on developing higher order thinking skills in German. The basic structure of the German language is reinforced. Students are given many opportunities to express themselves in both oral and written language. A variety of German experiences by native speakers is provided through authentic materials..

## **GERMAN 4**

*Grades: 11-12*                      *Duration: Full Year*

*Prerequisite: German 3*

German IV is offered to give the student an opportunity to refine skills developed at earlier levels, as well as to broaden his/her knowledge of German literature and culture. The course is conducted primarily in German and stresses the development of reading, writing, aural and oral proficiencies in German through a variety of resource materials. Though not designated as an AP course, with outside preparation and additional study students may opt to take the Advanced Placement test at the end of the school year.

## **AP GERMAN**

*Grades: 12*

*Duration: Full Year*

*Prerequisite: German 4*

AP German is intended for students who have chosen to develop their proficiency in all four language skills: listening, speaking, reading, and writing. Objectives for this course include the development of: the ability to comprehend formal and informal spoken German; the acquisition of vocabulary and a grasp of structure to allow the easy, accurate reading of newspaper and magazine articles, as well as modern literature in German; the ability to compose expository passages; and the ability to express ideas orally with accuracy and fluency. Students may opt to take the Advanced Placement test at the end of the school year.

## **SPANISH 1**

*Grades: 9-12*

*Duration: Full Year*

*Prerequisite: None*

In beginning Spanish, emphasis is placed on the four skills of language learning: listening, speaking, reading, and writing. Listening and speaking are enhanced through paired conversational and whole group activities. Students improve their listening ability through a variety of video and audio media, including computer games and authentic materials. Multicultural awareness is developed through the activities of the curriculum. The increasing proficiency in listening and speaking provides a smooth transition to beginning reading and writing.

## **SPANISH 2**

*Grades: 9-12*

*Duration: Full Year*

*Prerequisite: Spanish 1*

This course is a continuation of Spanish I with emphasis placed on the acquisition of communicative skills. Music, periodicals, readings, computer games and other resource materials are used to supplement this course. Students must complete this course satisfactorily to elect Spanish III.

## **SPANISH 3**

*Grades: 10-12*

*Duration: Full Year*

*Prerequisite: Spanish 2*

Spanish III focuses on developing higher order thinking skills in Spanish. The basic structure of the Spanish language is reinforced. Students are given many opportunities to express themselves in both oral and written language. A variety of Spanish experiences by native speakers is provided through authentic materials.

*Grades: 11-12*

*Duration: Full Year*

*Prerequisite: Spanish 3*

Spanish IV is offered to give the student an opportunity to refine skills developed at earlier levels, as well as to broaden his/her knowledge of Spanish literature and culture. The course is conducted primarily in Spanish and stresses the development of reading, writing, aural and oral proficiencies in Spanish through a variety of resource materials.

## **AP SPANISH**

*Grades: 12*

*Duration: Full Year*

*Prerequisite: Spanish 4*

AP Spanish is intended for students who have chosen to develop their proficiency in all four language skills: listening, speaking, reading, and writing. Students who enroll should already have a basic knowledge of the language and culture of Spanish-speaking peoples and should have attained a reasonable proficiency in listening comprehension, speaking, reading, and writing. Objectives for this course include the development of: the ability to comprehend formal and informal spoken Spanish; the acquisition of vocabulary and a grasp of structure to allow the easy, accurate reading of newspaper and magazine articles, as well as modern literature in Spanish; the ability to compose expository passages; and the ability to express ideas orally with accuracy and fluency. Students may opt to take the Advanced Placement test at the end of the school year.

## **Other Electives**

### **SEMINAR**

*Grades: 9-12*

*Duration: Full Year*

*Prerequisite: None*

In Seminar, the instructor will work with the whole class, and individual students, to improve their academic success by monitoring their progress and providing tutoring on an as needed basis. Students will learn good study habits, work on homework assignments, and study for upcoming tests and quizzes. This course may provide the opportunity for students to work on content and curriculum through virtual learning. College and career activities will be incorporated to provide students with an opportunity to explore personal strengths, passions, and interests.

### **CREDIT RECOVERY**

*Grades: 10-12*

*Duration: One Semester*

*Prerequisite: Counselor approval*

Credit recovery allows students who have failed courses in the traditional classroom to work at their own pace to complete challenging course work and earn the credits they need toward graduation. Online learning provides effective, digital instructional strategies that provide opportunities for engagement, relevance and rigor. E2020 and Michigan Virtual Essentials are multimedia-rich, virtual classrooms that engages students in the learning process through animation, simulations, video-based presentations, online content, vocabulary development, and exploration activities that support each lesson presented by the virtual classroom teacher. Online embedded homework, evaluations, and other activities reinforce student understanding with content mastery that is measured and ensured through formative and summative assessments delivered for each class segment. These classes offer personalized instruction for every student with instructional support. All course instruction aligned to state and district curriculum standards.

### **PERSONAL & FAMILY DYNAMICS**

*Grades: 10-12*

*Duration: One Semester*

*Prerequisite: None*

This one-semester course meets the applied arts or elective requirement and focuses on improving relationships by developing and practicing communication, problem solving, decision-making, and coping skills. Areas of study include: developing a positive attitude, identifying values, recognizing abuse, selecting a partner, dealing with friends in your life and the challenges of friendship, stress management, understanding death, and improving self-esteem. Students will study the importance of various types of relationships and learn skills for establishing and maintaining healthy relationships in everyday life.

### **LINK CREW LEADERSHIP**

*Grades: 11-12*

*Duration: Full Year*

*Prerequisites: Students must submit **\*application and receive teacher recommendation***

*\*Involvement in Student Council waives the application process with teacher approval*

Link Crew Leadership is a class offering that engages students in learning about leadership and mentoring. The guiding principle that sustains this leadership class is the invaluable and untapped resource at our school: the students. This program engages, develops, trains and guides students as leaders and mentors. Link Crew Leadership is more than just helping freshmen. It's about changing school climate and culture. Being a "Link Crew Leader" includes two mandatory half days of training in late August, and assisting with the 9th grade orientation. Leadership and "success skills" are some of the most sought after characteristics in the business world. This class will benefit students regardless of the path they choose after high school. Additional information is located on the Link Crew webpage. [www.boomerangproject.com/link](http://www.boomerangproject.com/link)

## **S.E.R.V.E. Students Enriching Romeo through Volunteer Experience**

***This is not a course taken during the school day***

*Grades: 9-12*

*Credits: 0.5 per 90 hours*

*Prerequisite: None*

**EARNING CREDIT FOR COMMUNITY SERVICE:** Students have the opportunity to earn credit while gaining practical, satisfying experiences in volunteerism. Teamwork, responsibility, problem solving, leadership, and interpersonal relationship skills can all be learned while helping others. Volunteerism is a fun and rewarding way to positively contribute to the community. Participants may choose to work in hospitals, homes for the elderly, elementary buildings, or other pre-approved non-profit agencies or clubs. For students who have accrued more than one disciplinary referral in any school year (other than for tardies), acceptance in this program will be at the discretion of both building administration and Serve Coordinator. An instructional folder, rules and a contract will be given to students seeking credit through community service. Responsible behavior is crucial to fulfilling this credit. Contracts must be turned in to the Serve Coordinator prior to beginning any assignment. This course is dependent upon receipt of appropriate grant monies.