

MONROE CITY HIGH SCHOOL

COURSE GUIDE



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Nondiscrimination and Students Rights (Board Approved November 2010)

The Board of Education reaffirms its belief that every student regardless of race, color, sex, national origin, age, ethnicity, religion, disability, sexual orientation or perceived sexual orientation be given equal opportunity for educational development. The Board recognizes the importance of providing each student with a school environment conducive to intellectual, emotional and social growth through participation in a full range of educational programs and activities. Board and staff commitments ensure equal educational opportunities in course offerings, guidance and counseling, test procedures, extracurricular activities, discipline procedures and student support services.

SCHEDULING GUIDELINES

1. Freshmen will enroll in Math classes as recommended by teachers, counselors, and parents. These assignments will be based on student ability and achievement.
2. For purposes of grade classification in Grades 10-12, the following guidelines will be used:
 - Grade 9 - 0 - 5.5 units of credit
 - Grade 10 - 6 - 11.5 units of credit
 - Grade 11 - 12 - 16.5 units of credit
 - Grade 12 - 17 or more units of credit and enrolled in units of credit
3. A student who signs up for a full year class is expected to stay in it all year. Students will not be allowed to enter a full-year course at the beginning of the second semester.
4. You may schedule CoEd PE, Weightlifting, Multimedia, Modern Local History, Band and Concert Choir for credit each year.
5. With state mandated testing requirements, the student is expected to complete each of the following courses and take an End of Course (EOC) test upon completion: English Language Arts 1, English Language Arts 2, Algebra 1, Biology 1, Government.
6. Any student who has failed one or more of the courses required for graduation should include these in his/her schedule at the earliest possible time.
7. Be sure you have taken the necessary prerequisites BEFORE signing up for a class.
8. Student athletes wishing to play sports in college need to check with the NCAA & NAIA for eligibility requirements necessary to play. There are strict High School courses that must be taken and other requirements met in High School to be eligible to play. Go to www.ncaaclearinghouse.org & www.playnaia.org for more information

GRADUATION REQUIREMENTS

Monroe City R-I High School graduation requirements were adopted by the Monroe City R-1 Board of Education following guidelines recommended by the Missouri State Department of Education. The minimum graduation requirement is set at 24 total credits.

To graduate from MCHS, a student must:

- Earn four units of credit in English Language Arts. ELA 1-3 are required of all students.
- Earn three units of credit in Social Studies. United States History, World History and American Government are required of all students.
- Earn three units of credit in Mathematics. Algebra 1 is required of all students
- Earn three units of credit in Science. Physical Science and Biology 1 are required of all students. Physical Science A and Biology A may be substituted based on teacher recommendation.
- (Three units of agriculture classes chosen from: Ag Science 1, Ag Science 2, Horticulture Science, Advanced Animal Science, Conservation of Natural Resources or Food Science may be used as one (1) science credit for purposes of graduation.)
- Earn one unit of credit in Fine Arts.
- Earn one unit of credit in Physical Education.
- Earn one unit of credit in Practical Arts.
- Earn one-half unit of credit in Health.
- Earn one-half unit of credit in Personal Finance.

SUMMARY OF REQUIREMENTS

English/Language Arts	4.0 Credits
Social Studies	3.0 Credits
Science	3.0 Credits
Mathematics	3.0 Credits
Fine Arts	1.0 Credit
Practical Arts	1.0 Credit
Physical Education	1.0 Credit
Health	0.5 Credit
Personal Finance	0.5 Credit
Required Credits	17 Credits
Elective Credits	7 Credits
Total Credits	24 Credits

GRADUATION AWARDS

Valedictorian/Salutatorian Honors Requirements:

4 English: English Language Arts or Dual Credit
4 Math: Algebra I and higher
4 Science: Physical Science and higher
3 Soc. Studies: 3 Required Courses, .5 Any
1 Fine Art: Any Choir, Band or Art courses
1 Practical Art: Any Business or Ag.
6 Electives from any above area
1 PE: .5 Freshman PE, .5 of another
.5 Freshman Health
.5 Personal Finance

Total required = 25 3 General or Core Electives for 28/28

- Students must attain at minimum, national average on the ACT. Subject to change, but at the time of this printing is a 21.
- Students must be a full time student for 8 semesters at MCHS in order to qualify.
- MCHS approved MVIP or Dual Credit courses will satisfy Core Curriculum requirements and electives.
- Courses taken in the summer will not count towards honors requirements.
- All courses must be taken at MCHS during the school year.

The class of 2027 will be the first class to graduate based on the Cum Laude System only. There will not be Validictorian and Salutatorian distinction. This will affect the incoming freshman during the 24/25 School Year.

Cum Laude System

The cum laude system will recognize academic excellence at graduation with the following GPA standards for levels of achievement and recognition after 8 successful semesters of high school attendance.

As students' names are read at commencement, the cum laude honors designation will be announced and awarded. In addition, a sticker will be placed on the student's diploma indicating the Cum Laude honor, and honor cords will be worn during the ceremony. GPA based on standard, 4.0 Grading Scale.

Summa Cum Laude

Students have a 4.0 cumulative GPA or above

Student scores a composite score of 26 or above on the ACT

Magna Cum Laude

Student has a cumulative GPA 3.9 or above

Student scores a composite score of 23 or above on the ACT

Cum Laude

Student has a cumulative GPA of 3.8 or above

Student Scores a composite score of 21 or above on the ACT

Full time attendance for 8 semesters is required

Transfer in credits subject to approval by principal, and must come from an accredited institution

A+ Honors

The state awarded, A+ Scholarship program, currently provides scholarship funds to eligible graduates of MCHS who attend a participating public community college or vocational/technical school, or certain private two-year vocational/technical schools in Missouri. Students must meet all state requirements which are subject to change yearly in July or August (after the printing of this guide) Check online with the [Missouri Department of Higher Education](#) for the current official eligibility requirements, rules and [participating post-secondary institutions](#).

- Must be a US citizen
- A+ Agreement completed during freshman year registration
- Attend an A+ designated school for 3 consecutive years of high school
- Overall HS GPA of 2.5 or above
- Minimum HS overall attendance rate of 95%
- Perform 50 hours of unpaid tutoring/mentoring
- Maintain good citizenship
- Avoid the unlawful use of drugs and/or alcohol
- Have taken and met qualifying math test scores as set by Dept. of Higher Ed.

Assessment Plan

END OF COURSE REQUIREMENTS

With state mandated testing requirements, students are expected to complete each of the following courses and take an EOC (End of Course) test:

• English Language Arts 1	• Biology 1
• English Language Arts 2	• Government
• Algebra 1	• Algebra 2 (if students took Algebra 1 in 8 th grade)

STATE AND NATIONAL ASSESSMENTS TAKEN IN HIGH SCHOOL:

Sophomore Year:

- Pre ACT Exam
- PSAT - students must sign up

Junior Year:

- ASVAB
- PSAT - students must sign up
- Accuplacer - taken when signing up for a dual credit math course

Senior Year:

- ACT WorkKeys
- Accuplacer - taken when signing up for a dual credit math or English Language Arts course

MCHS Weighted Courses

Weighted courses motivate students to take honors/advanced courses by weighting a passing grade up to a full 1.0 point towards the student's GPA. (The grade on the Report Card will not be adjusted.) Includes a higher performance expectation for each course. Prerequisites and/or teacher recommendations are required to gain entry into weighted courses.

The following courses will use the weighted scale:

Any dual credit course offered (MACC)

Algebra 2 Accelerated

College Algebra

Trigonometry

Calculus

PreCalculus Algebra

Statistics

Biology 3

Chemistry 2

Physics

Ag Leadership & Business

Ag Communications

Composition 1

Composition 2

Public Speaking

Students scoring below a D+ in any weighted course will not receive weighted points to their GPA

Pass/Fail courses will not be counted towards a weighted GPA.

A committee will meet annually to look at the classes that are offered by the high school to evaluate if any classes should be added or removed from being a weighted class. This committee will be made up of two teachers, counselor, administrator and one school board member.

For students to be eligible for Valedictorian or Salutatorian they must complete 8 semesters and be enrolled at MCHS for 2 consecutive years.

Weighted and Unweighted Grading Scale

Grade	Percent	Unweighted GPA	Weighted GPA
A	96-100	4.0	5.0
A-	90-95	4.0	5.0
B+	87-89	3.0	4.0
B	84-86	3.0	4.0
B-	80-83	3.0	4.0
C+	77-79	2.0	3.0
C	74-76	2.0	3.0
C-	70-73	2.0	3.0
D+	67-69	1.0	2.0
D	64-66	1.0	1.0
D-	60-63	1.0	1.0

COURSE DESCRIPTIONS

ENGLISH LANGUAGE ARTS

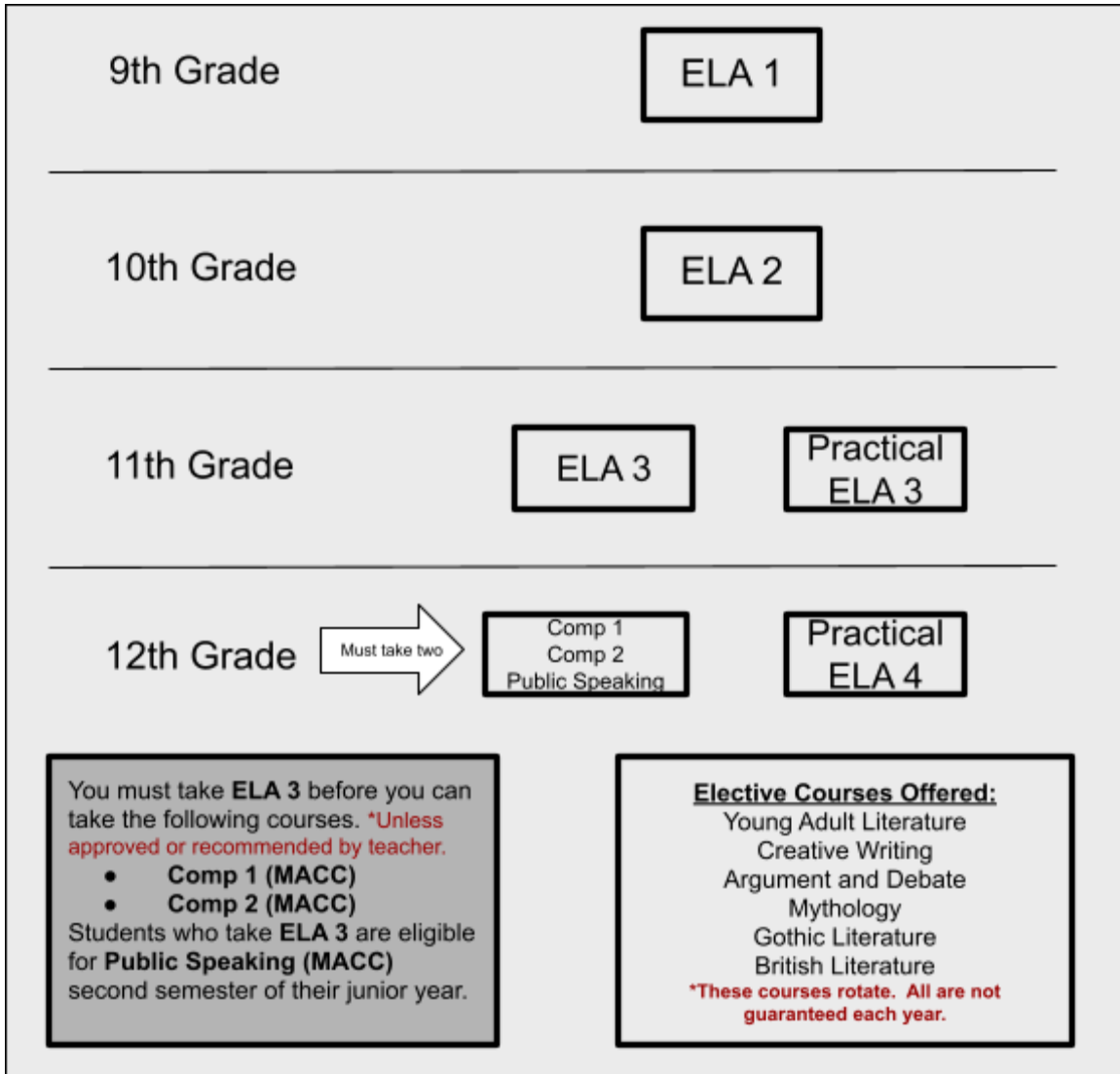
*Denotes Required @ Grade Level Indicated

ENGLISH LANGUAGE ARTS 1	1 CREDIT	*GRADE 9
An introductory course designed to offer insight into the Language Arts classes a student will have to choose from over the next three years. As the student gains these insights, he/she will also achieve a solid foundation for basic grammar, writing and composition, vocabulary, literature, survival English skills, public speaking, oral presentation, and drama. Outside reading is required. This is a required course for all freshmen.		
ENGLISH LANGUAGE ARTS 2	1 CREDIT	*GRADE 10, 11
This course will build on the foundation set in ELA 1. A focus will be on the writing process and incorporating research into persuasive, argumentative, and expository writing. The literary content of this course will consist of several novels with an emphasis on the understanding of literary elements and figurative language in preparation for the End of Course test. Lessons in drama and poetry will also be integrated. Outside reading is required. This is a required course for all sophomores. <i>THE STATE END OF COURSE ASSESSMENT IS ALSO REQUIRED. (Prerequisite: ELA1)</i>		
ENGLISH LANGUAGE ARTS 3	1 CREDIT	*GRADES 11, 12
The content will consist of the study of American Literature, improving writing and communication skills, public speaking, and building the student's vocabulary. These things are geared toward helping students prepare for such tests as the ACT, PSAT, ASVAB, etc. Outside reading is required. This is a required course for all juniors. <i>(Prerequisites: ELA1 & ELA2)</i>		
MYTHOLOGY	½ CREDIT	GRADES 10, 11,12
This course focuses on the many myths and legends woven into cultures around the world. Starting with an overview of mythology, students will explore readings from a variety of cultures, encompassing Greek, Roman, Egyptian, and Norse myths. Major archetypes, or recurring patterns in mythology, are studied, as well. Class assignments will include a variety of writing and creative projects. Students are evaluated through quizzes, class discussion and participation, responses to reading and film, as well as completion of group and independent projects.		
GOTHIC LITERATURE	½ CREDIT	GRADES 10, 11, 12
Gothic Literature is a semester-long English elective in which students will explore literature from the horror genre. The focus of the course is to develop analytical and written skills by working with the supernatural forces in popular horror texts. Students will read about and discuss aspects of the supernatural as well as the human condition, life and death, and the universe. Students will be exposed to such authors as Dante, Poe, Bradury, Matheson, Jackson, and King. Daily writing, critical thinking, classroom collaboration, and independent work are all required.		
PRACTICAL ENGLISH 4	1 CREDIT	GRADES 12
This course is designed for learners who need to develop their skills in reading, writing, and oral communications in order to achieve their educational and vocational goals. Students will read simple text, identify and interpret information from simple text, understand and respond to simple text, write simple text, review and finalize simple text, participate in conversations and discussions, evaluate their success in conversations and discussions, and apply these skills in everyday adult settings, including the workplace.		

BRITISH LITERATURE	½ CREDIT	GRADES 11, 12
This semester course will study the origins of British Literature, as well as the major authors and movements in the literature of England from its beginnings to 1750. Students will read, discuss, and write about a diverse selection of British texts specifically examining Shelley's <i>Frankenstein</i> , <i>Beowulf</i> , Shakespeare's <i>Macbeth</i> , and Wilde's <i>Picture of Dorian Gray</i> . It includes writing assignments and analysis of texts within this literary genre. (Prerequisite: "C" or above in ELA or instructor approval)		
YOUNG ADULT LITERATURE	½ CREDIT	GRADES 11, 12
This semester course will focus on YA Literature as one of the most popular and quickly growing genres. Students will read, discuss, and write about a diverse selection of Young Adult novels in order to explore the many facets of this literature and to consider how it shapes our definitions and understandings of adolescence.		
CREATIVE WRITING	½ CREDIT	GRADES 11, 12
This semester course will encourage students to view writing as a creative outlet. Creative writing inspires students to reach into the depths of their creative minds, to practice the craft of writing, and to produce publishable, literary gems. Students will explore a wide variety of genres, including: short fiction, poetry, genre fiction, memoir and playwriting. Class time will focus on reading, writing, and peer revising. Students will then compose pieces of writing including short stories, poems, letters, and dramas. The end result will be a student-published literary magazine.		
ARGUMENTATION AND DEBATE	½ CREDIT	GRADES 11, 12
.This semester course will have students taking part in a number of individual activities and group presentations that focus on organizing ideas/arguments, preparing appropriate materials and presenting themselves in a positive manner. Specifically, time will be spent on group interaction techniques, project plans/presentations, one-on-one debate of ideas and values, and simulation meetings for parliamentary procedures.		
PUBLIC SPEAKING (Dual Credit Option)	½ CREDIT	GRADES 11, 12
This course studies the role of speaking in communication in both formal and informal situations. The course includes a study of the communication process, the role of the listener, methods of speech organization, informative and persuasive techniques, and effective delivery.		
COMPOSITION 1 (Dual Credit Option)	½ CREDIT	GRADES 12
This course teaches the process of writing, from prewriting to revision. Focus is on reading and critical thinking, essay writing, and literary analysis. Course provides practice in computer-assisted writing and oral communication.		
COMPOSITION 2 (Dual Credit Option)	½ CREDIT	GRADES 12
Students are introduced to research writing through originality, organization, and persuasion. Focus is on critical thinking when conducting research, considering sources, and synthesizing information. Prerequisites: Comp 1		

You must have four English credits to graduate.

HIGH SCHOOL ENGLISH FLOWCHART



SOCIAL STUDIES

*Denotes Required @ Grade Level Indicated

UNITED STATES HISTORY	1 CREDIT	*GRADE 9
This course is a survey of the development of our social, economic, and political institutions with special emphasis on 1865 to the present. With the great number of social and economic changes taking place in every part of the world, including our own, it is imperative that our students have a clear understanding of the evolution of our democratic system, which has made our country great. This is a required course for all freshman students.		
WORLD HISTORY	1 CREDIT	*GRADE 10
This course will help students understand the geography, culture, achievements, and contributions of various peoples from the beginning of human habitation to the present time. The main focus of this course will be from the Renaissance through modern times. The growth and development of modern civilization will be presented in a broad and comprehensive manner. This course is required for all sophomore students and will include projects, research, and comparison activities.		
SOCIOLOGY	½ CREDIT	GRADES 10, 11, 12
Sociology is the study of man's relationship to culture and society. It deals with heredity and environment, cultural changes and controls, population mobility, institutions of society, and problems relating to marriage, crime, employment, resources, education, and minority groups. The class includes daily discussions, debates, individual research, and group projects covering current social trends.		
WORLD GEOGRAPHY	½ CREDIT	GRADES 10, 11, 12
Geography studies the relationships between people, places, and the environment. We use maps, technology, and other geographical representations to learn about people, places, and environments. In this course, we study how culture's influence people's perception of places and regions.		
PSYCHOLOGY	½ CREDIT	GRADES 11, 12
Psychology is the study of human behavior. This course is designed to give the student a broad survey of basic facts, principles, and application of these principles in the world we live in. Films, role-playing, group discussions, and experimentation will be used in class to enhance topics. This class includes projects, research, and comparison activities.		
HISTORY THROUGH FILM	½ CREDIT	GRADES 11, 12
Films have been created which cover much of history. This course will look at how various aspects of history are portrayed in films and contrast that with reality. This course will also be used to study significant problems in history. Some themes include - slavery, genocide, the Cold War, terrorism, and organized crime. Assignments will include written summaries, analysis, and individual critiques of the various films. <i>(Prerequisite: Students must have at least a B- average in their Social Studies classes to date.)</i>		
AMERICAN GOVERNMENT	1 CREDIT	*GRADE 11
American Government is a required semester class. The course content will consist of instruction in the individual branches and functions of federal, state, and local government and the electoral process. This is a required course for all junior students. <i>Successful completion of Government End of Course exam, civics test and Missouri/United States Constitution test are required for course and graduation.</i>		
MODERN U.S. HISTORY	½ CREDIT	GRADES 10,11, 12
This class is designed for the college-bound student. The focus will be placed on the United States and the world since 1960. Emphasis will be put on major events such as the U.S.U.S.S.R. relations, and distribution of work power, the Cuban Missile Crisis, Vietnam, Watergate, etc. This class will examine America's relationship with the rest of the world, analyzing how that relationship has changed politically, economically, and culturally. <i>(Prerequisite: Must have had an overall B- average in their Social Studies classes to date.)</i>		

MATHEMATICS

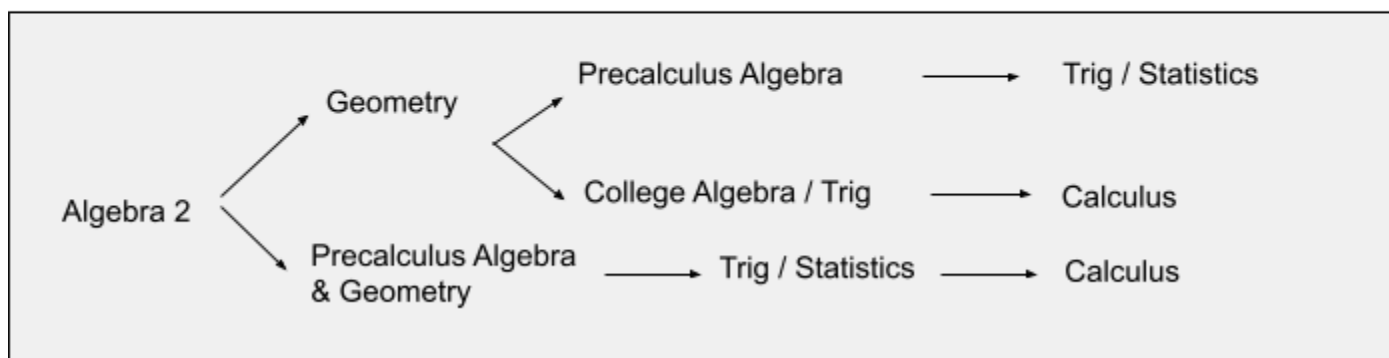
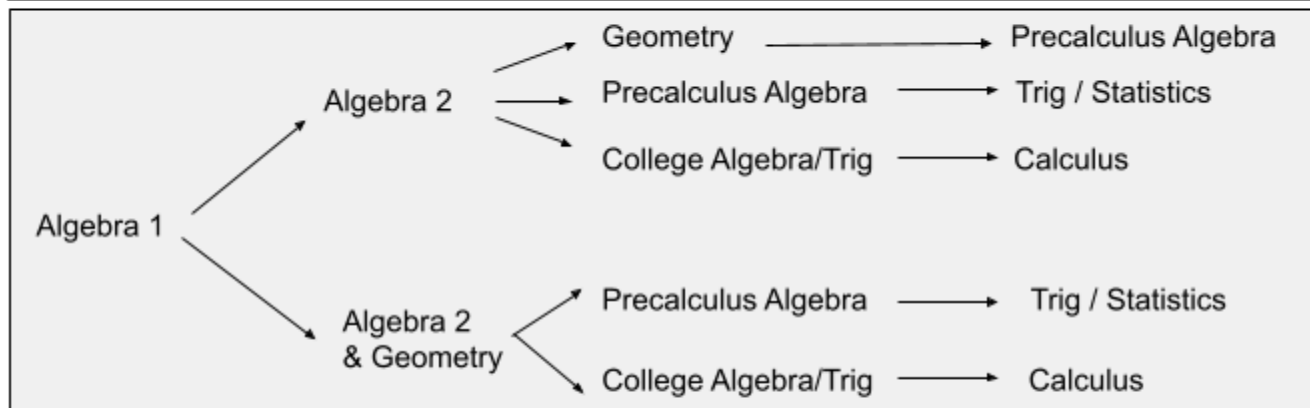
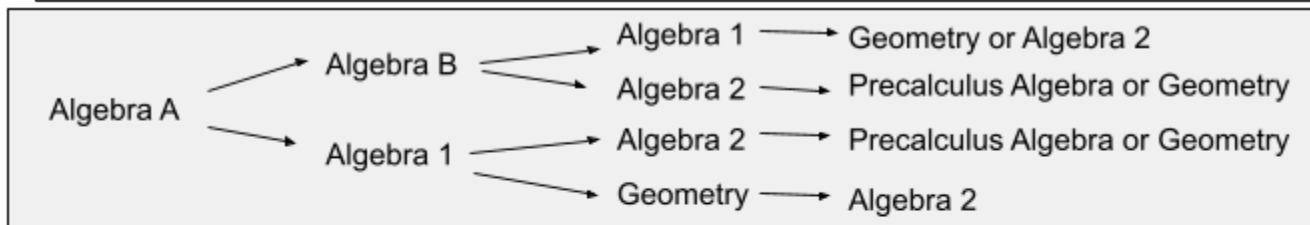
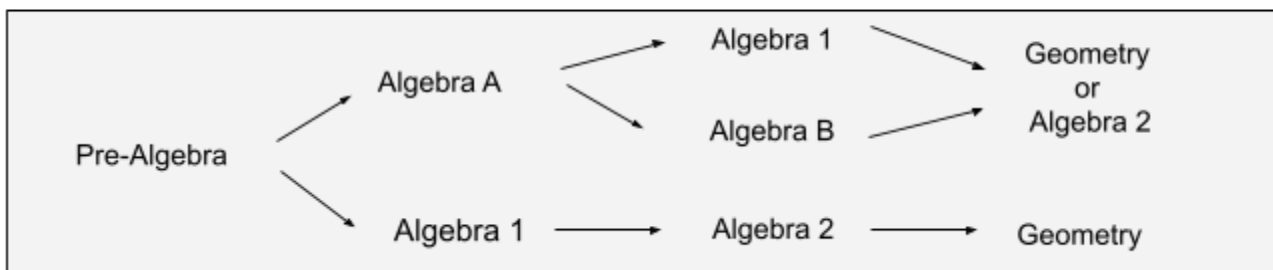
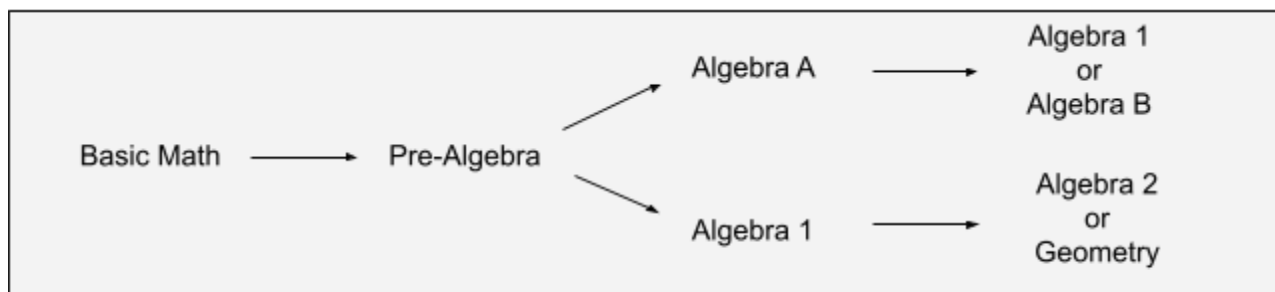
BASIC MATH	1 CREDIT	GRADES 9, 10
This course is designed to develop and solidify basic arithmetic and algebra skills that will be required in future math courses. <i>(Enrollment is limited to staff referrals only) (Next recommended course is Pre-Algebra)</i>		
PRE-ALGEBRA	1 CREDIT	GRADES 9, 10
The course is designed to prepare students for future coursework in mathematics, particularly Algebra 1A. <i>(Enrollment is limited to staff referrals only) (Next recommended course is Algebra A or Algebra 1)</i>		
MATH SUPPORT	½ or 1 CREDIT	GRADES 9, 10, 11, 12
The Math Support class is available at all math levels. Students are recommended for this class by previous course grades and by teachers. Class participants spend time working on the daily math practice assignments, prerequisite skills for their math class and math fluency. This will not count as a math credit, it will count as a <u>math elective credit</u> . <i>(Enrollment is limited to staff referrals only)</i>		
ALGEBRA A	1 CREDIT	GRADES 9, 10, 11
In Algebra A, students learn the basic properties of numbers and how to apply those properties to solve equations and simplify expressions. Students will also write equations and learn basic graphing techniques. <i>(Students taking Algebra A will proceed to Algebra 1, unless there is teacher recommendation to proceed to Algebra B, after completion of the course)</i>		
ALGEBRA B	1 CREDIT	GRADES 10, 11, 12
This class will be reserved only for students, who after the completion of Algebra A, have not yet grasped the concepts necessary to be successful in Algebra 1. Students will continue to solve equations, simplify expressions, and graph linear equations. Students will also be introduced to more advanced algebra topics including inequalities, systems of equations, quadratics, and polynomial functions. <i>THE STATE END OF COURSE ASSESSMENT IS REQUIRED FOR THOSE WHO TOOK ALGEBRA A & B.</i> <i>(Enrollment is limited to staff referrals only.) (Prerequisite: Algebra A)</i>		
ALGEBRA 1	1 CREDIT	GRADES 9, 10, 11
Algebra 1 is the foundation for the advanced high school mathematics courses. It is the bridge from the concrete to the abstract study of mathematics. Students will study the following: solving single variable equations and inequalities, graphing linear and quadratic functions, solving systems of equations, simplifying polynomial expressions, solving & factoring quadratic equations and basic statistics. <i>THE STATE END OF COURSE ASSESSMENT IS ALSO REQUIRED.</i> <i>(Prerequisite: Instructor recommendation as an entering freshman; Next recommended class is Algebra 2)</i>		
ALGEBRA 2	1 CREDIT	GRADES 9, 10, 11, 12
Algebra 2 reviews the basic concepts and applications of Algebra I and introduces students to more advanced topics to prepare them for future courses in mathematics. Students will gain knowledge of complex numbers, polynomial functions, inverse functions, radical functions, exponential functions, logarithmic functions, and rational expressions. <i>THE STATE END OF COURSE ASSESSMENT IS REQUIRED FOR THOSE WHO TOOK ALGEBRA 1 AS 8TH GRADERS.</i> <i>Prerequisite- This course is designed for sophomores, juniors, and seniors who have completed Algebra 1 or B.</i>		
GEOMETRY	1 CREDIT	GRADES 10, 11, 12
Geometry is the study of plane, solid, and coordinate geometry in which knowledge about geometric figures in the plane and in space and an understanding of how to apply this knowledge is stressed. Geometry is basic to the study of more advanced subjects in mathematics. <i>(Prerequisites: "C" or above in Algebra 2, A grade of "C" or above is recommended to advance to upper-level math)</i>		

ACCELERATED ALGEBRA 2	1 CREDIT	GRADES 9, 10, 11, 12
<p>Accelerated Algebra II is a fast-paced course designed to further develop the mathematical concepts studied in Algebra I. Students will expand on their prior knowledge of linear, quadratic, and exponential functions. In addition, students will gain knowledge of polynomial functions, inverse functions, complex numbers, radical functions, logarithmic functions, rational expressions, and statistics. This course will be taught at an accelerated pace. Prerequisite- Incoming students should have an average Algebra 1 grade of 90% or higher.</p> <p>Grade 9: If you took Algebra 1 as an 8th grader, you will need to have scored at least 85% in the course and have scored Advanced or Proficient on the Algebra 1 EOC Exam.</p> <p>THE STATE END OF COURSE ALGEBRA 2 ASSESSMENT IS REQUIRED FOR THOSE WHO TOOK ALGEBRA 1 AS 8TH GRADERS.</p>		
PRECALCULUS ALGEBRA (w/ DUAL CREDIT OPT)	1 CREDIT	GRADES 10, 11, 12
<p>This class was previously Advanced Algebra. Precalculus Algebra is available to students that are interested in college or technical school in a math-related field. The course will delve deeper into Algebra 2, functions graphing, etc. This course can be taken for 3 college credit hours through MACC upon qualifying, for a fee. (Prerequisites: So/Jr/Sr, Qualifying Accuplacer Score OR a 22 on ACT Math required for dual credit; Algebra 1, Geometry and "C" or above in Algebra 2)</p>		
COLLEGE ALGEBRA (w/ DUAL CREDIT OPT)	½ CREDIT	GRADES 11, 12
<p>College Algebra is available to students that are interested in college or technical school in a math-related field. The course will delve deeper into Algebra 2, functions graphing, etc. This is a fast-paced version of Precalculus Algebra designed for students planning to take Calculus in either high school or college. This course may be taken for 3 college credit hours through MACC upon qualifying, for a fee. <u><i>This course is offered in the fall.</i></u> (Prerequisites: Jr/Sr, Qualifying Accuplacer score OR a 22 on ACT Math required for dual credit; "B" or above in Algebra 2 and instructor approval.</p>		
TRIGONOMETRY (w/ DUAL CREDIT OPT)	½ CREDIT	GRADES 11, 12
<p>Trig is a branch of mathematics, which concerns itself with the relationship between the angles and sides of a triangle. The students will investigate relationships from an algebraic point of view and apply the relationship to find solutions for practical problems in surveying and mechanics. This will also lay the foundation for more advanced courses in mathematics. Trigonometry should be taken by students who are interested in mathematics and science or expect to major in medicine, engineering, or any other science or math-related field. This course may be taken for 3 college credit hours from MACC upon qualifying, for a fee. (Prerequisites: Jr/Sr, Qualifying Accuplacer score OR a 22 on ACT Math required for dual credit; "C-" or above in Algebra 2, Geometry & PreCalculus Algebra/College Algebra or instructor approval)</p>		
ELEMENTARY STATISTICS (w/ DUAL CREDIT OPT)	½ CREDIT	GRADES 11, 12
<p>Elementary Statistics includes descriptive statistics, statistical design, correlation and regression, and elementary probability. Statistical inferences will include one- and two-sample confidence intervals and hypothesis tests. This course may be taken for 3 college credit hours from MACC upon qualifying, for a fee. (Prerequisites: Jr/Sr, Qualifying Accuplacer Score OR a 22 on ACT Math required for dual credit; Algebra 1 and "C" or above in Algebra 2)</p>		
CALCULUS (w/ DUAL CREDIT OPT)	1 CREDIT	GRADES 11, 12
<p>Calculus is designed for seniors who plan to major in a field of study that requires calculus in college. Topics covered in this coursework include limits and continuity, the derivative and its applications, the differential and anti-differentiation. This course may be taken for 5 college credit hours from MACC upon qualifying, for a fee. (Prerequisites: Jr/Sr, Qualifying Accuplacer score OR a 24 on ACT Math required for dual credit; "B" or above in Trig and PreCalculus Algebra/College Algebra.</p>		

ADDITIONAL INFORMATION REGARDING TAKING TWO MATH CLASSES AT A TIME:

*To DOUBLE-UP in Geometry AND Algebra 2, a student must have a B- or higher in Algebra 1. Algebra 1 teacher will recommend the appropriate course to take next if B- the requirement is not met.

HIGH SCHOOL MATH FLOWCHART



SCIENCE

*Denotes Required @ Grade Level Indicated

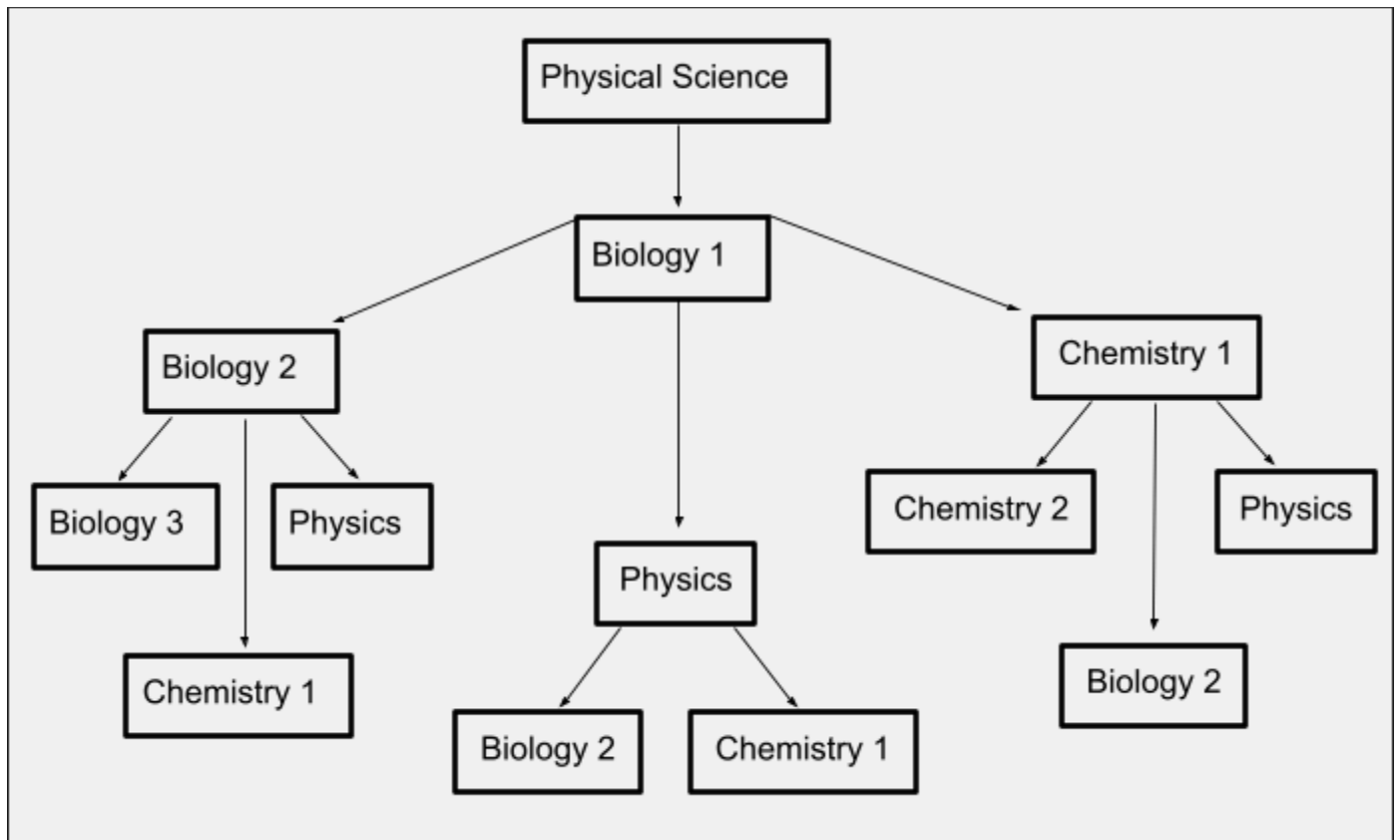
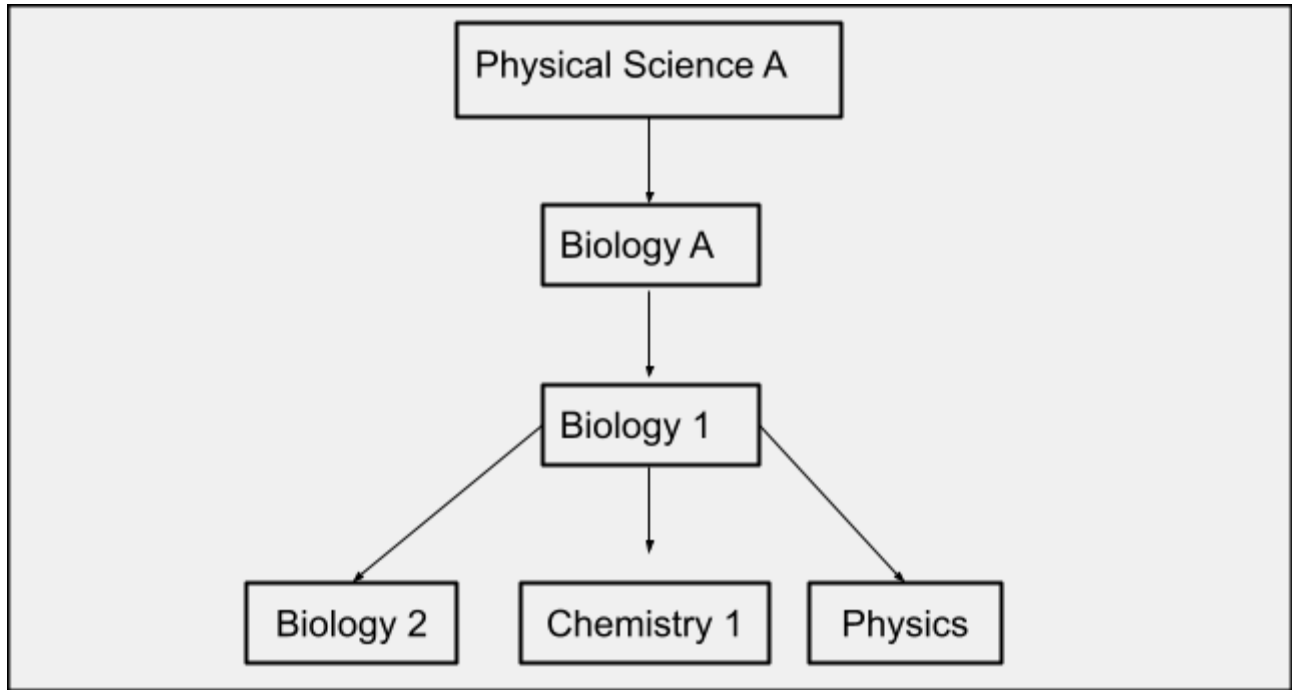
PHYSICAL SCIENCE A	1 CREDIT	GRADE 9
Physical Science A an introductory course to astronomy, physics and chemistry. The basic scientific principles and the scientific methods are expressed. Astronomy topics include the study of our solar system. Physics topics include motion, force, forms of energy, work, and general physical and chemical theories. Chemistry topics include atom structure, balancing chemical equations, physical and chemical reactions. The main purpose of this course is to introduce students to the various aspects of science and to form a foundation for future study in other science courses. This course is for freshman students who lack a solid science background. <i>(Enrollment is limited to staff referrals only)</i>		
PHYSICAL SCIENCE	1 CREDIT	GRADES 9, 10
This is an introductory physical science course. The first semester will cover basic Physics topics such as: machines, flight, and motion, forms of energy, work, light, magnetism, electricity, and sound. The second semester will cover basic Chemistry topics such as: properties of matter, atoms, elements, compounds, the periodic table, heat, and chemical bonding. It is designed to give a good foundation in basic science principles. <i>(This course will be taken by all freshmen unless the teachers recommend enrollment in Physical Science A)</i>		
BIOLOGY A	1 CREDIT	GRADE 10
Biology A is an introduction to the biological sciences. Students will be given a general overview of the concepts in biochemistry, cell biology, photosynthesis and respiration, cell division, protein synthesis, genetics, and human ecology. They will engage in the scientific method, and learn to communicate their discoveries with others. The purpose of Biology A is to give students an introductory look into biological science and help them prepare for Biology 1. <i>(Enrollment is limited to staff referrals only)</i>		
BIOLOGY 1	1 CREDIT	GRADES 10, 11, 12
Biology 1 is an introduction to the biological sciences. Students will learn the basic principles of biochemistry, cell biology, photosynthesis and respiration, cell division, protein synthesis, genetics, and human ecology. They will engage in scientific investigations, develop the ability to apply the scientific method, and learn to communicate their discoveries with others. The purpose of Biology 1 is to give students a solid background in scientific principles and biological issues present in today's society. <i>THE STATE END OF COURSE ASSESSMENT IS ALSO REQUIRED.</i>		
BIOLOGY 2	1 CREDIT	GRADES 11, 12
Biology 2 begins with a survey of the animal kingdom including the invertebrates, vertebrates, and the development of an insect collection. Microbiology will also be studied including a survey of bacteria, viruses, protozoa, and algae. Labs will include inquiry investigations and dissection. This course is recommended for any student who plans to pursue college biology.		
BIOLOGY 3	1 CREDIT	GRADE 12
Biology 3 will be a comprehensive course in Human Anatomy and Physiology. It will include coursework involving the body systems. Labs will include inquiry investigations and dissection. This course is strongly recommended for students who plan a career in medicine, nursing, physical therapy, sports training and related fields. <i>(Prerequisite: Biology 2 with a minimum "B" grade earned & teacher approval.)</i>		

CHEMISTRY 1	1 CREDIT	GRADES 11, 12
This premier science course introduces the student to the study of Chemistry. The student will learn the basics of chemical interactions and chemistry concepts. This course serves as a good foundation for advanced science courses and is recommended for any student planning a college or vocational career requiring further scientific studies. <i>(Prerequisites: Algebra 1 and Biology 1 with a minimum "C" grade earned)</i>		
CHEMISTRY 2	1 CREDIT	GRADE 12
This advanced chemistry course will be devoted to laboratory applications and discussions of topics introduced in Chemistry 1 with emphasis on application of theoretical topics. Advanced topics will be studied as determined by consensus of instructor and students. This course is recommended for any student planning a career in a science field requiring Chemistry. <i>(Prerequisites: Chemistry 1 with a minimum "C" grade earned)</i>		
PHYSICS	1 CREDIT	GRADES 11, 12
This advanced science course follows a logical, sequential development of major physics principles. This technology rich course will utilize advanced and traditional physics equipment to study our physical world. Students taking this course will pursue numerous hands-on challenges and activities. This course is recommended for any student pursuing a career in the sciences. <i>(Prerequisites: Algebra 1 and Biology 1 with a minimum "C" grade earned or instructor approval)</i>		

Three qualifying Agriculture credits may count for one science credit. Those courses include: Ag. Science 1, Ag. Science 2, Horticulture 1, Horticulture 2, Animal Science and Conservation of Natural Resources.

The flowchart for science is on the following page.

HIGH SCHOOL SCIENCE FLOWCHART



FINE ARTS

Art Education

ART I	1 CREDIT	GRADES 9, 10, 11, 12
<p>Art 1 is a course designed for beginning students to learn the foundations of art. This course is a full year and fulfills one credit of fine arts. This course is the prerequisite for all advanced art classes. During the first semester students will concentrate on drawing and learning to translate what they see into a 2 dimensional drawing. Drawing and understanding how to apply value to artwork is the major focus of fundamentals. However, students also learn to use other media such as; pen and ink, acrylic paint, watercolor, pastels, paper sculpture, colored pencils, and printmaking. This course, although a beginner level, is rigorous and requires students to be self-disciplined in order to complete projects on time and well. Some book study and tests on terminology and concepts will be given as well. (In order to enroll in an advanced course in visual art, students must receive a “B-” or above in this course)</p>		
ART II	1 CREDIT	GRADES 10, 11, 12
<p>Art II is a course designed as a continuation of Art I. This is a full year course and fulfills one credit of fine arts. Art II is an advanced level course and is taught with a higher level of expectations from the students. Ideas expressed through the artwork are more focused on the message the artist wishes to convey than just duplicating a resource photo. There is also a higher level of expectation placed on the technical skills of the artist as well as creativity. The artwork produced in Art II is expected to express meaning, show emotion, and show a high level of concept in addition to continuing development of technical skill. Art II provides the opportunity for students to explore many mediums which were too advanced for Art I. Stronger emphasis will be placed on independent ideas and self-discipline. Some book study and tests on terminology and concepts will be given as well. This is an advanced art course. Students should be serious about improving their skills as an artist. (Prerequisite: Art 1 with a “B-”)</p>		
ADVANCED DRAWING (Fall)	½ CREDIT	GRADES 10, 11, 12
<p>Advanced Drawing is an advanced course offered in the fall to further hone the drawing skills of students interested in visual art. Drawing is the main foundation of art and requires many hours of practice. In Advanced Drawing students will be expected to draw objects from observation using multiple forms of drawing media such as; pencil, charcoal, ink, colored pencils, markers, etc. Students will also learn to use the grid systems of drawing in order to create a perfectly proportioned representation of a photograph. Advanced Drawing is an upper level art course and a greater skill level, originality and self-discipline is expected. Students should be serious about developing their skills as an artist. (Prerequisite: Art 1 with a “B-”)</p>		
ADVANCED PAINTING (Spring)	½ CREDIT	GRADES 10, 11, 12
<p>Advanced Painting is an advanced course offered in the spring to further hone the painting skills of students interested in visual art. Students should plan to take Advanced Drawing in the Fall followed by this course in the Spring. Students will have the opportunity to paint using both watercolor paint and acrylic paint. An advanced skill of drawing will help the student tremendously to be successful in this course. Some example projects may be; portraits, landscapes, still life, and abstract. Painting is an upper level art course and a greater skill level and self-discipline is expected. Students should be serious about developing their skills as an artist. (Prerequisite: Art 1 with a “B-” and Advanced Drawing the previous semester.)</p>		

MIXED MEDIA	1 CREDIT	GRADES 10, 11, 12
<p>This course will offer in-depth exploration of techniques and new ways to see, use, and interpret objects and use many forms of media to create art. Students will create multi-directional compositions with a variety of materials, paint, images, found objects, and ink. This course is designed to give students a wide variety of art making experiences and allows students to continue to explore various visual art forms and techniques through the elements and principles of art and design. Students should be serious about developing their skills as an artist. (Prerequisite: Art 1 with a “B-”)</p>		
CERAMICS	1 CREDIT	GRADES 10, 11, 12
<p>Ceramics & 3-D Sculpture is an advanced art course during which students will further develop their skills of working with clay and other sculpture materials. Semester 1 is dedicated to using clay, learning the properties of clay and acquiring the knowledge to properly dry, fire, and glaze ceramic wares. Students will use hand building methods as well as learn to use the pottery wheel. Students should not be afraid to get dirty! Semester 2 will transition into many types of sculpture. Although we will still use some clay we will also work with many other types of sculpture materials such as paper, wood, metal and found objects. If you love to use your creativity but don't find satisfaction in 2-D methods of art such as painting or drawing, then this 3 dimensional art form may be for you. (Prerequisite: Art 1 with a “B-“)</p>		
PHOTOGRAPHY / ADOBE PHOTOSHOP	1 CREDIT	GRADES 10, 11, 12
<p>Photography will focus on the art of digital photography and file manipulation using Adobe Photoshop. This is a beginner level course and will begin by focusing on composition, layout and proper camera usage. A digital camera capable of at least 15 megapixels is required. Adobe Photoshop is the professional industry standard for careers requiring photo manipulation. This software can be overwhelming due to its numerous capabilities. This course requires students to be computer savvy and willing to learn a new and very powerful software. Students must be extremely self-disciplined. All of the photography assignments are done outside of the classroom on the student's own time. It is imperative that these assignments are completed on time and meet the requirements of the assignment. (Prerequisites: Students must have a signed technology agreement, and a 15 mp digital camera to enroll in this course. Photography is NOT a prerequisite for advanced level art courses. Art 1 must be completed in order to enroll in an advanced art course.)</p>		
DIGITAL PAINTING	1 CREDIT	GRADES 10, 11, 12
<p>This course will immerse you in the captivating world of digital painting. You'll learn to harness the power of industry-standard tools like Adobe Photoshop and Wacom Cintiq tablets, as well as explore the creative potential of ProCreate on iPads. Whether you're a beginner or looking to refine your skills, this course will guide you in creating stunning digital art that captures the essence of traditional painting techniques brought to life in the digital realm.</p> <p>(Prerequisites: Art 1 with a grade of B or better. Experience on iPads and some knowledge of Adobe Photoshop is a plus.)</p>		

FINE ARTS

Music Education

BAND (Marching & Concert)	1 CREDIT	GRADES 9, 10, 11, 12
<p>This course is the culmination of the Monroe City R-I band program. The band performs at athletic contests as a pep band, parades and football contests as a marching band. The marching band lasts from August until the middle of October. Grades are established by attendance, performance, punctuality, and skill. The band competes in both the marching and concert band arenas. After the initial credit in Fine Arts is earned, additional credit can be earned through band as an elective. Students are encouraged to continue in band through high school. Opportunities exist at the college level for students to continue playing which include scholarship money. You don't have to be a music major to earn them. <i>(Prerequisite: Completion of the middle school band program, or audition and approval of the instructor.)</i></p>		
CONCERT CHOIR	1 CREDIT	GRADES 9, 10, 11, 12
<p>This organization is composed of students who enjoy singing and would like to be in a choir. No prior coursework or audition is required however students are expected to spend time working on their voice and making improvements. This choir is a performance-based class where credit earned requires a number of public performances. <i>(Prerequisite: Must have taken Choir, Piano Lab or Bells.)</i></p>		
MUSIC APPRECIATION	1 CREDIT	GRADES 9, 10, 11, 12
<p>Emphasis in this class is on learning to listen to music and the role it plays within the wider contexts of history and society. This class will emphasize American popular music starting in the 1930's and trace its development to current time. Students will focus on active listening and developing their ability to critique musical performances. In this course, students will listen, create, examine, and interact with music from a wide variety of genres.</p>		
PIANO LAB	½ CREDIT	GRADES 9, 10, 11, 12
<p>This is a performance - based class, meaning we are always actively playing in class, but we do not perform concerts in any way. Piano 1 is designed for students of varying levels of piano exposure, ranging from "I took lessons as a kid" to "I've never played a piano" This class introduces note reading and basic piano skills.</p>		
PIANO LAB 2	½ CREDIT	GRADES 9, 10, 11, 12
<p>A continuation of Piano 1, Piano 2 moves into studying chording, how to take the basic form of a song and build onto it with chords and harmonies. It is more independent than Piano 1 lessons, and students have more choice in their song selections. Students who have not taken piano 1 but excel quickly or had lessons may test straight into Piano 2 per Mr. Long's suggestion.</p>		
GUITAR LAB	½ Credit	Grades 9, 10, 11, 12
<p>This class, like piano lab, is hands-on and requires no experience. This class focuses on the fundamentals of guitar strumming and chord playing. Students will learn how to sing and play their favorite songs and explore their own musical interests through guided practice. Students will perform at least once during the semester.</p>		
STAGE/DRAMA	1 CREDIT	GRADES 9, 10, 11, 12
<p>This class is focused around both the technical operation of stage/sound/lighting equipment as well as the in-and-outs of acting on stage. Each student will learn sound and light operation, set building, stage blocking, and of course, portraying characters on stage. Using classic stage productions as a basis, the students get the hands-on experience of putting on a production. This class will be involved with the stage productions on some level.</p>		
BELLS CHOIR	½ CREDIT	GRADES 9, 10, 11, 12
<p>This class, like piano lab, is hands-on and requires no experience. It is worth noting that students will have an easier time if they can read music, but it is not required. Students are expected to perform once during the fall concert, with choir and band.</p>		

PRACTICAL ARTS

Business Education

*Denotes Required @ Grade Level Indicated

COMPUTER APPLICATIONS	½ CREDIT	GRADES 9, 10, 11, 12
Students will learn how to more effectively and efficiently utilize the technology available to them through project-based learning. Students will receive hands-on experience in using the Google Apps and/or Microsoft Office Apps for business and personal application. Major units of study will be essential computer concepts, productivity apps (word processing, spreadsheet, database, presentation, desktop publishing, and web design), and coding if time allows.		
INTRODUCTION TO BUSINESS	½ CREDIT	GRADES 9, 10, 11, 12
Students will be introduced to how business works in today's society and to provide a foundation for other business courses. Content includes business functions such as accounting, management, marketing and other consumer issues regarding money and money management, banking system and services, government's role in business and technology in the business world.		
GRAPHIC DESIGN	1 CREDIT	GRADES 10, 11, 12
Students develop proficiency in using graphic arts/desktop publishing software to create a variety of business publications such as flyers, brochures, newsletters, etc. This course instructs students on the use of Web authoring tools to design, edit, launch and maintain websites and pages.		
MULTIMEDIA	½ CREDIT	GRADES 10, 11, 12
Students will work with multimedia software to create and edit video presentations. They will learn how to manipulate text, art and graphics, photography, animation, audio and video for presentation in various media formats.		
BANKING AND FINANCIAL SERVICES	½ CREDIT	GRADES 10, 11, 12
This finance course will provide an overview of the structure of the financial system, interest rate and business cycle determinants, and introduce students to international financial markets. The course also covers such business financial matters as management of banking institutions, methods of financing businesses, stocks and bonds, profit and loss, and others.		
BUSINESS LAW	½ CREDIT	GRADES 10, 11, 12
This course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers and employees through a mixture of personal, business and consumer law. The content includes the basic characteristics of the American system of free enterprise, rights of private property, basic elements of contracts, employer-employee relations, landlords and tenants, individual rights, wills and estates, family and juvenile justice law and community property.		
ENTREPRENUERSHIP	1 CREDIT	GRADES 10, 11, 12
This course is designed to provide students with the fundamental knowledge needed for organizing, developing and implementing a business within the private free enterprise system. Topics of study will include learning the advantages and disadvantages of owning a business, preparing a business plan, choosing a location, securing a loan, determining organizational structure and promoting a business.		
TRAVEL AND TOURISM	½ CREDIT	GRADES 10, 11, 12
A program that prepares individuals to manage travel related enterprises and related convention and/or tour services. Includes instruction in travel agency management tour arranging and planning, convention and event planning, travel industry operations and procedures, tourism marketing and promotion strategies, travel counseling, travel industry law, international and domestic operations, and travel and tourism policy.		

ECONOMICS 101	½ CREDIT	GRADES 10, 11, 12
This course is designed to help students understand economic concepts necessary for their participation in a capitalist system as wage earners, business owners, producers and investors. Basic economic concepts like supply and demand, competition, growth and stability are emphasized. Topics include the government's role in the economy, the sharing of economic risks and the effect of inflation and monetary policies on national and international economics. Prerequisite: Intro to Business		
PERSONAL FINANCE	½ CREDIT	*GRADES 10, 11, 12
Students will learn how choices influence occupational options and future earning potential and how to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the student make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.		
NETWORK ADMINISTRATION	1 CREDIT	GRADES 11, 12
Students enrolled in network administration will learn the basics of Chromebook management. They will gain experience working with students and staff as they do Chromebook repair, troubleshoot issues, and help to educate others on how to use Chromebooks. In addition to working with chrome books, they will do online coursework to earn their certification with a PC Pro or Network Pro course.		
SPORTS & ENTERTAINMENT MARKETING	½ CREDIT	GRADES 11, 12
Students will focus on marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, selling or renting of supplies and equipment (other than vehicles) used for recreational or sporting purposes, products and services related to hobbies or cultural events, or businesses primarily engaged in satisfying the desire to make productive or enjoyable use of leisure time.		
ACCOUNTING 1	1 CREDIT	GRADES 10, 11, 12
Students will build a basic understanding of manual and automated accounting principles, concepts, and procedures. Activities include using the accounting equation, completing the accounting cycle, entering transactions to journals, posting to ledgers, preparing end-of-period statements and reports, managing payroll systems, completing banking activities, calculating taxes, and performing other related topics. Prerequisite: Intro to Business		
ACCOUNTING 2	1 CREDIT	GRADE 12
This course is designed to help students acquire a more thorough, in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Students will develop skills in analyzing and interpreting information common to partnerships and corporations, preparing formal statements and supporting schedules, and using inventory and budgetary control systems. (Prerequisite: "C" or better in Accounting 1)		
COOPERATIVE CAREER EDUCATION (Flex Study)	½ - 3 CREDITS	GRADE 11, 12
Cooperative Career Education is open to any junior or senior interested in authentic school-directed and supervised paid or unpaid learning experiences through assignment to an off-campus location. The employment is planned and supervised by the school in cooperation with a business, industry, or other institution. A formalized agreement between all cooperating parties specifies the role each is to play as part of the program. The coordinator responsible for the program conducts periodic communication with the student's employer. The employer will complete quarterly evaluations of the student's performance. The student will submit a weekly hour/wage report to the coordinator.		

PRACTICAL ARTS

Agriculture Education

NOTE: Three, year-long Agriculture Ed. classes, chosen from: Ag Science 1, Ag 2, Horticulture 1, Animal Science, Conservation, and Food Science will satisfy one (1) science credit for graduation.

AG. SCIENCE 1	1 CREDIT	GRADES 9, 10, 11, 12
An exciting course intended to introduce students to many different aspects of agriculture. Areas of instruction include animal science, wood shop, career exploration, leadership, and personal development, and supervised agricultural experience. Students are also encouraged to join the FFA program because of the many positive opportunities and lifelong benefits it provides.		
AG. SCIENCE 2	1 CREDIT	GRADES 10, 11, 12
This is a course designed to enhance the student's leadership skills through public speaking, parliamentary procedure demonstrations as well as oral and written communication. Students will receive instruction in plant and crop science, soils, entomology, forestry, and welding, supervised agricultural experience. (Prerequisite: Ag Science 1)		
HORTICULTURE SCIENCE	1 CREDIT	GRADES 11, 12
This course develops a basic understanding of greenhouse techniques and landscape design. Students will also receive instruction on plant and flower identification and growth of plants commonly found in Missouri greenhouses. The production of greenhouse crops will be used to demonstrate procedures such as plants started from cuttings, seeds, grafts, and layering. Students will manage their own crop as a greenhouse project. Students will also continue a supervised agricultural experience program, along with learning FFA leadership. (Prerequisites: Ag Science 1 & 2) Offered every year.		
AG CONSTRUCTION	1 CREDIT	GRADE 11, 12
This course includes the completion of agriculture mechanic projects using advanced skills. Students learn power tool usage, metal welding, cutting, woodworking, planning, and fabricating. Students also continue a supervised agricultural experience program, along with learning FFA leadership (Prerequisites: Ag. Science 1 & 2) Offered every year.		
AG STRUCTURES AND POWERS	1 CREDIT	GRADES 11, 12
This course provides instruction in plumbing, concrete construction, electricity, land surveying electrical circuits, small gas engine, carpentry, and woodworking, along with other mechanical skills and topics. It will align with the agricultural mechanics career development event and will ensure students will not receive the same instruction for I and II. The student will also continue a supervised agricultural experience program, along with learning FFA leadership. (Prerequisite: Ag. Science 1 & 2) Rotates every other year with Conservation of Natural Resources.		

CONSERVATION OF NATURAL RESOURCES	1 CREDIT	GRADES 11, 12
<p>From hunting and fishing to stream ecology, this course takes students to the environment surrounding them. Trees, fauna, animals, soil, and water are explored and experienced through this conservation course. Students will also continue a supervised agricultural experience program, along with learning FFA leadership. (Prerequisite: Ag Science 1 & 2) Rotates every other year with Ag Structures and Powers</p>		
ADVANCED ANIMAL SCIENCE	1 CREDIT	GRADES 11, 12
<p>This class will include, but not limited to: Advanced study in animal production, management, marketing, nutrition, breeding, production records, selection, animal health, waste management, and biotechnology may be included in this course. This class will cover each major animal in the agriculture industry including cattle, swine, equine, and sheep. Other animals can be added upon student interest. This class is intended to dig deeper into animal science and would be helpful for those students wanting to pursue a degree in animal science, or small and large animal veterinary science. (Prerequisite: Ag. Science 1 & 2) Offered every year.</p>		
AG LEADERSHIP & BUSINESS (w/Dual Credit Opt)	1 CREDIT	GRADES 11, 12
<p>This course is designed for students interested in the business and leadership side of agriculture. The class will focus on the management side of agri-business and will include a study of balance sheets, supply and demand, diminishing returns, enterprise budgets, costs, taxes, and more. Also, this course enhances personal leadership, focusing on self-awareness, clarification, articulations of values, goal setting, and personal management. A student taking this class and making a score of 85% or better on the State Farm Management contest will receive three hours of articulated college credit at the University of Missouri. (Prerequisite: Ag Science 1 & 2, with a "C" or better in Algebra 2) Rotates every other year with Ag. Communications.</p>		
AG COMMUNICATIONS (w/Dual Credit Opt)	1 CREDIT	GRADES 11, 12
<p>This course focuses on personal leadership including an examination of the characteristics of effective communicators as well as planning, developing, conducting, and evaluating leadership programs for agriculture groups. The course focuses on Ag sales, Speech, Ag Marketing, and Ag Promotions as well as helping students better understand themselves and others, improving group communications; becoming effective leaders and members of groups and evaluating results. This course also reflects an interest in Agricultural Journalism. (Prerequisite: Ag Science 1 & 2) Rotates every other year with Ag. Leadership and Business.</p>		
FOOD SCIENCE	1 CREDIT	GRADES 11, 12
<p>This class will allow students to learn about the emerging Food Science and Technology industry and how it plays a role within agriculture. Students will learn principles of food preservation, food processing, and the biotechnology of foods. Food Safety, product development, and marketing will enhance student's understanding of where their food comes from and the process of farm to plate. (Prerequisite: Ag Science 1 & 2) Offered every year.</p>		

PHYSICAL EDUCATION

*Denotes Required @ Grade Level Indicated

FRESHMAN PHYSICAL EDUCATION	½ CREDIT	*GRADE 9
<p>This class is provided so that freshmen may acquire the basic knowledge, skills, and concepts of various units of Physical Education. Units of study include tennis, flag football, volleyball, aerobics, weight lifting, pickleball, softball, etc. Personal fitness is also emphasized each day. This is a required freshman course. This class is taken opposite Freshman Health.</p>		
FRESHMAN HEALTH	½ CREDIT	*GRADE 9
<p>This course is offered to review concepts taught in the previous grades, and to expand upon issues already taught and discussed. Choosing healthy behaviors is crucial to leading a long, healthy life, and therefore these behaviors will be reinforced at this important age. Topics include: what is health?, physical fitness and nutrition, mental health and stress, drugs, tobacco, and alcohol, and diseases and disorders. First Aid and CPR will be taught and when completed students will become American Red Cross Certified. This is a required freshman course. This class is taken opposite Freshman Physical Education.</p>		
LIFETIME FITNESS ED/COED PE	½ or 1 CREDIT	GRADES 10, 11, 12
<p>Lifetime Fitness Education and Co-ed PE are available for sophomores, juniors, and seniors who have received a "C" or above in Freshmen Physical Education. These courses emphasize physical fitness through a variety of team and individual activities. These courses will also utilize strength and cardiovascular workouts that may include but not be limited to: weight lifting, plyometrics, stretching and/or calisthenics. Lifetime fitness courses are offered in male and female separated classes. <i>(Prerequisite: a grade of "C" or above in Freshmen PE)</i></p>		
WEIGHTLIFTING	½ or 1 CREDIT	GRADES 10, 11, 12
<p>This is a physical education elective that is an intense activity course. It is for the student who is serious about reaching their maximum potential in strength and fitness. Students will set goals and record their individual progress throughout the semester. Upon completion of the course the student will: Be able to demonstrate and perform proper lifting techniques, muscle identification and resistance exercises that strengthen those muscles; Identify and be able to apply basic workout concepts such as the overload principle; and Show improvement in muscular strength, endurance and power through a program of strength training.</p>		

GENERAL ELECTIVES

A+ MENTORING	½ CREDIT	GRADE 11, 12
<p>Students will work with approved classroom teachers (as needed) to help with tutoring/mentoring students. Students interested in this class must be enrolled in the A+ program and be entering the second semester of their junior year or be a senior. The A+ Coordinator and the building principal will assign the tutors to a teacher that desires having a tutor. Students will be evaluated and points will be given each week based on attendance and log sheets. This class must be taken in order to complete the 50 hours of tutoring/mentoring required for the A+ program.</p>		
MODERN LOCAL HISTORY - Yearbook	1 CREDIT	GRADES 10, 11, 12
<p>Staff members will produce the high school yearbook and produce photos used in the yearbook. Staff members must be dependable and able to work independently. Each year editors, writers, business managers, and photographers are chosen to operate the yearbook as if it were a small business. Yearbook staff members will learn to create page layouts, insert pictures, insert text, write captions, write stories and work with effective design techniques to create the pages. Besides the creative aspect of the yearbook, the staff members will learn various elements of the business world including making sales, providing advertisements for local businesses, dealing with people, bookkeeping, and working in high pressure situations. Students will practice and improve both interviewing and writing skills in this class.</p>		
CADET TEACHING	½ or 1 CREDIT	GRADE 11, 12
<p>Cadet Teaching is a program designed to interest and help students who are considering a career in the teaching profession. This course affords students an opportunity to work in the classroom with an experienced teacher in grades Pre-Kindergarten through sixth grade to gain understanding of the challenges of teaching and how these challenges are met in a positive environment.</p>		

COMPUTER SCIENCE

INTRO TO CODING	1 CREDIT	GRADE 10, 11, 12
<p>Computer Science Explorations 1 is an introductory computer science course for students. Mapped to CTSA standards, the course takes a wide lens on computer science by covering topics such as problem solving, programming, physical computing, user centered design, and data, while inspiring students as they build their own interactive coding projects, games and animations in Scratch.</p> <p>CS Explorations 1 is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. In this introductory course, students will learn the foundational concepts and skills of computer science (CS). They will explore using computers to solve problems and to express themselves. The course is designed to be engaging and relevant to student lives. Students build, remix and share animations, games, stories, music and art, in a collaborative environment</p>		
COMPUTER SCIENCE	1 CREDIT	GRADES 10, 11, 12
<p>Students will learn the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems. This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science. The course allows students to work independently in text-based Python. This course is a virtual course. Students will take it independently, online.</p>		

Hannibal Career and Technical Courses

VOCATIONAL/TECHNICAL PROGRAMS	6 CREDITS	GRADES 11,12
<p>A variety of courses are offered through Hannibal Career and Tech Center in Hannibal, MO beginning a students Junior year. Students attend school periods 1-3 in Hannibal, and then finish the day at MCHS. Most programs offered are two year programs and students are expected to complete both years. Two year programs include: Automotive Technology, Building Trades, Child Care, Cosmetology, Criminal Justice, Health Services, Machine Tool and Welding. There is also an opportunity to take Graphic Arts and Drafting courses with a couple of electives too. Many of these programs provide a certification upon completion which allows students to go directly into the workforce, or further their education with post-secondary studies. Any student wanting to know more should visit: to www.hannibal.tec.mo.us, or speak with the School Counselor at MCHS.</p> <p style="text-align: center;">HANNIBAL CAREER & TECHNICAL CENTER PROGRAMS:</p> <p style="text-align: center;"> Automotive Technology Building Trades Teaching Professions Cosmetology Criminal Justice Graphic Arts Health Services Machine Tool Welding </p>		

MISSOURI OPTIONS PROGRAM

This program is designed for seniors who are credit deficient towards graduation.

1. Students are to be in some type of work experience 15 hours each week. A timesheet with hours and signed by a supervisor is to be turned in every Monday morning documenting the hours worked the previous week. Attached to the time sheet should be the pay stub showing those hours. The supervisor will be asked periodically to evaluate the student's job skills and time sheets. If a student does not have a paying job, a list of volunteer opportunities is available. These hours will be verified
2. While in class each student will study the five areas tested on HiSet. These areas are: Social Studies, Writing/Essay, Reading, Science and Math. The student will have a folder with assignments using the TABE results as a guide. Required classes may also need to be completed. Those include government/civics, health, personal finance, US Constitution test and the Missouri Constitution test. These classes will be completed using Edgenuity.

DUAL CREDIT & ONLINE DUAL CREDIT COURSEWORK:

Moberly Area Community College offers Dual Credit Coursework for students to earn high school and college credit. Enrollment periods are Fall and Spring of each year. Course offerings may vary each semester. Information on course offerings are shared throughout the year in the Counseling Department Newsletter. Students are responsible for speaking to Mrs. Murphy in order to enroll the prior semester.

Students who enroll in an online dual credit course must remain in the course for the entire semester. If a student drops the course without speaking to Mrs. Murphy, students will be given an F on their high school transcript.

<p>ENGLISH: not available online. Mrs. Mudd teaches all of these courses on campus. Composition 1 - seniors only Composition 2 - seniors only Public Speaking - seniors / juniors can take 2nd semester</p> <p style="text-align: center;">-----</p> <p>These English courses can be taken online: American Literature to 1870 Women's Literature Classical Mythology</p>	<p>MATH: not available online. Mrs. Threlkeld teaches all of these courses on campus. PreCalculus Algebra Trigonometry College Algebra College Trigonometry Statistics Calculus</p>
<p style="text-align: center;">SCIENCE:</p> <p style="text-align: center;">Human Anatomy w/ Lab Physiology Biology w/ Lab Foundations of Chemistry w/ Lab Foundations of Physical Science w/ Lab Conservation Biology</p>	<p style="text-align: center;">SOCIAL STUDIES:</p> <p style="text-align: center;">Sociology Psychology Abnormal Psychology Human Lifespan Development Geography Functions and Policies of American Government American History to 1865 American History from 1865</p>
<p style="text-align: center;">ELECTIVES:</p> <p style="text-align: center;">Art Appreciation I Art Appreciation II Computer Essentials Introduction to Information Technology Programming I IT Essentials Principles of Management Intro to Business</p>	<p style="text-align: center;">ELECTIVES:</p> <p style="text-align: center;">Microeconomics Macroeconomics Medical Terminology Intro to Ethics Intro to Elementary Statistics Public Speaking Personal Finance Intro to Behavioral Health Music of America</p>

SUMMER SCHOOL OFFERINGS

Summer School Enrichment:

There are opportunities to take online courses in the summer for enrichment. Students are eligible to take these courses after their freshman year and can transfer up to one credit. It is important to know courses taken in the summer do not count towards honor requirements for graduation. If you are interested in an enrichment course over the summer see Mrs. Murphy for more information in late spring.

Credit Recovery Summer School:

If you have failed a course required for graduation, students have the opportunity to retake the course in the summer. Information regarding credit recovery summer school is sent to those who qualify in late spring with detailed information.

Saturday School:

Saturday school is offered to seniors who are failing a course needed for graduation. The principal and counselor will speak to those students and families individually to inform them of the process necessary to be granted TIME to complete work leading up to the end of the semester in hopes they can raise their grade to a passing percentage. Students who do not meet the required number of credits for graduation will not have the opportunity to participate in the graduation ceremony.