

Roscommon Area Public Schools

Roscommon High School

Course Offering Guide 2023-2024

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Welcome to our new 8th Graders!!

All 8th graders take classes in the four core academic areas: Math 8, English 8, History 8, and Science 8. Special education support is built into all four core areas. If an 8th grader is a particularly skilled math student and middle school math data supports it, he/she may join an Algebra I class for high school credit. There will not be a dedicated 8th grade section of Algebra I in 2023-24; participating 8th graders would join high school kids (mostly 9th graders) in Algebra I. Eighth graders will get to choose one exploratory from each of two groups of exploratory classes. They are offered in blocks 1 and 5.

<u>Block 1</u>	<u>Block 5</u>
Choir (8-12)	Band 8
PE 8	PE 8
Spanish I	Art 8
Woods 8	Robotics (8-12)

8th Grade Course Descriptions

History 8

The purpose of this course is to enhance student understanding of American History and the development of the United States through the use of history, economics, geography, and civics. History 8 explores the time period from the causes of the American Revolution through the Civil War Reconstruction and early Industrialism in the United States. Our studies encompass colonial discontent, the American Revolutionary War, early American government, Westward Expansion, social reforms, and the Antebellum period.

Science 8

A science class designed to get students ready for the rigors of high school science classes. This two semester class will include chemistry, biology, and physics. This course is based on experiments, problem solving, and teamwork. Students will be presented with a unit problem to find a solution in order to strengthen scientific reasoning and use of evidence. Gathering data, analysis, drawing a conclusion, and planning research are major points of focus for this course. At the conclusion of 8th grade students are expected to find solutions when presented with new problems using what they have learned during the year. Students are expected to have or gain tenacity, self motivation, and a strong sense of communication during the process.

Math 8

This year long course builds upon existing skills from middle school and prepares students for high school math courses. Emphasis will be placed on reasoning, making sense of problems, perseverance, and looking for and making use of structure and patterns. Independent and group projects will be used to reinforce application and foundational reasoning.

English 8

This year long course emphasizes the development of critical reading and writing skills. Eighth grade students will work on a variety of literature of steadily increasing difficulty in both depth and reading difficulty. Through close reading, careful writing, class discussions, and presentations, students deepen their ability to independently write, analyze, evaluate, and

critique text. Students also work closely on specific writing types and presentations: arguments, literary analysis, informative/explanatory texts, poetry, and narratives.

Band 8

This year long course takes students' knowledge a step further to prepare them for high school band. Emphasis is placed on adding to and gaining new musical skills through various methods of learning and instruction. The group is rooted in performance so with that in mind students are asked to not only perform in class but in public at concerts throughout the year.

Robotics

This class can be one or two semesters. This class is intended to support the high school robotics team. Class members gain a foundational knowledge of problem solving, electrical, building, materials, coding, functions, planning, team branding, grant writing, scouting, engineering, mechanics, driving and teamwork. During the coding process, students will learn enough code to make a game and design an app.

Choir

This is a year long performance based ensemble. Singers build upon their knowledge of the elements of music theory in a wide genre of choral music with focus on the development of vocal skill and technique. In addition, singers develop a sense of fulfillment, responsibility, teamwork and pride as they prepare quality performances throughout the year. Performance participation is a requirement of the class. Performances are scheduled so that they do not conflict with sporting events.

Art 8

This introductory level art course is designed to provide students with an awareness of the arts. A variety of media will be explored allowing students to discover their individual style. Students use their knowledge of art principles to create, invent, experiment, take risks and solve artistic problems. Students also have the opportunity to work independently on self- designed art projects to showcase their talents and passions. All projects at this grade level are geared to teach the young artists responsibility and ownership of their own participation in the art making process.

Woods 8

Traditionally referred to as woodshop, this introductory course is designed for any student interested in learning about the craft of woodworking. The students will learn how to properly identify and use a variety of hand tools and power equipment found in the carpentry trades through lectures, notes, demonstrations, and hands-on practices. The students will gain knowledge in material selection, project planning, problem-solving, and applied math and science. This is a project-oriented course, which students will have the opportunity to construct small and medium sized projects approved by the instructor. Emphasis will be on Safety and Quality of Craftsmanship. Students will need to be in attendance and participate fully in all activities.

RHS GRADUATION REQUIREMENTS

STUDENT CLASSIFICATION

SENIOR	16 CREDITS
JUNIOR	11 CREDITS
SOPHOMORE	2 nd Year
FRESHMAN	1 st Year after 8th grade

Subject Area	Credits Required
English	4 (English 9, 10, 11, 12)
Math	4 (Algebra I, Geometry and Alg II content required.) Must have a credit in senior year.
Science	3 (Biology, Chemistry or Physics, one additional)
Social Studies	3 (US History, World History, *US Government, *Economics) *one semester
Physical Education	½
Health	½
Lifeskills	½ (taken in senior year)
SAT Prep	½ (taken in junior year)
Visual, Performing, or Applied Arts	1 required; 2 if only 1 world lang.
World Language	1 required; 2 recommended
	18 specific credits +3 elective
	21 credits minimum for graduation

ENGLISH

Traditional progression through the required English classes is English 9, 10, 11, and 12.

With their English teachers' recommendations, students may take Honors English classes in grades 9-11. In 12th grade, Honors English students may opt to take Advanced Placement (AP) English Literature and Composition, KCC Composition I and II, or English 12A and 12B.

<u>English 9 A</u>	½ Credit	Grade 9
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<u>English 9 B</u>	½ Credit	Grade 9
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Best practice is that students earn credit in English 9A before taking English 9B.

English 9 is a basic introduction to the reading, thinking, and writing skills one will need for high school and beyond. English 9A's focus is on thinking and writing skills. English 9B focuses on thinking and reading. Texts include: essays, informational articles, short stories, contemporary novel (*To Kill a Mockingbird*), classical epic (*The Odyssey*), and Shakespearean tragedy (*Romeo and Juliet*).

<u>*Honors English 9 A</u>	½ Credit	Grade 9
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Prerequisite: 8th grade English teacher's recommendation/ passing the Honors entrance test

<u>*Honors English 9 B</u>	½ Credit	Grade 9
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Prerequisite: Completion of Honors Eng 9A and/or English teacher's recommendation

Honors English 9 is an in-depth study of literature and composition at an accelerated pace for students who have the work ethic, aptitude and ability in language arts.

<u>English 10 A</u>	½ Credit	Grade 10
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Best practice is that students earn credit in all of English 9 before taking English 10.

<u>English 10 B</u>	½ Credit	Grade 10
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Best practice is that students earn credit in English 10A before taking English 10B.

English 10 is a course in American Literature structured chronologically, showing how social, political, and economic events shape the voices of the American identity and spirit. This course

will engage students to follow the changes in the voices and narratives of a variety of significant authors from pre-Columbian America to post-modern America. As students explore these authors' and poets' voices, they will become skilled readers of texts written in a variety of periods, disciplines, and rhetorical contexts. Students will develop their own voices in their writings, exploring explanatory writing, argumentative essays, and narratives. Gaining new insights into American culture, students will recognize the unique role literature plays in both shaping and reflecting culture.

***Honors English 10 A**

½ Credit

Grade 10

Prerequisite: Completion of English 9A and B; English 9 teacher recommendation/passing the Honors entrance test

***Honors English 10 B**

½ Credit

Grade 10

Prerequisite: Completion of Honors English 10A and /or teacher recommendation

In addition to all that is required of English 10 students, Honors English 10 students will:

- Demonstrate more sophistication in writing
- Reflect with depth of thought on personal writing
- Maintain an accelerated pace of work and study
- Discuss on a more sophisticated level
- Make more oral presentations in class
- Use additional / supplementary text sources
- Participate in more student-centered and student-inquiry activities
- Work independently more frequently

English 11 A

½ Credit

Grade 11

English 11 B

½ Credit

Grade 11

Best practice is that students earn credit in English 9 and 10 before taking English 11.

English 11 is a course designed to prepare students to write at the college level. First semester, students will work to produce a six paper portfolio that includes essays on a variety of personal and analytical topics. Second semester, students will read and write about one novel, then shift their attention to the production of an extensive research essay. During both semesters, students will be provided instruction and opportunities to strengthen their communication skills through emphasis on production of clear and engaging writing, sophisticated sentence structures, and development of grammar and mechanics usage.

Honors English 11 A

½ Credit

Grade 11

Prerequisites: Honors English 10 and/or teacher recommendation

Honors English 11 B

½ Credit

Grade 11

Prerequisite: Honors English 11A

This course is an in-depth study of literature and composition at an accelerated pace for students who have the aptitude and ability in language arts.

English 12A

½ Credit

Grade 12

Best practice is that students earn credit in English 9, 10, and 11 before taking English 12. Students may not take this class before their senior year.

This course is designed to be a culmination of students' twelve years of learning. Students will generate a project that reflects their interests, creativity, and intelligence as they prepare for the world beyond high school. There are four major components of the project: a paper, a product, a portfolio, and a presentation. Students are expected to work with a mentor for the project, an "expert" in their chosen field. This senior project experience prepares students for challenges they will encounter in their professional and post-secondary educational endeavors. They will be responsible for budgeting time and resources, for completion of a major task, critical thinking, and communication.

English 12 B

½ Credit

Grade 12

Novels, Poetry, Short Stories, and various forms of writing consistent with the Michigan Merit Curriculum.

Advanced Placement English Literature and Composition

1 Credit

Grade 12

Prerequisite: Completion of English 9, English 10, and English 11, plus teacher recommendation

This course is a college-prep class that involves significant reading and writing. Students will be expected to complete a summer reading project as well as reading and discussion of a variety of anchor texts in relation to archetypes, themes, and cultural references. Students will be expected to take the Advanced Placement English exam in the spring for college credit.

Applied English

1 credit per year

Grades 9-12

Students pursuing a certificate of completion rather than a diploma may opt to take Basic English to fulfill their language arts requirements for graduation. To be eligible for this class, a student must have an IEP and his or her IEP team must determine that this placement is appropriate.

***In order to be considered for placement in Honors English, a student must:**

- Receive an “A” or “B” grade in the most recent semester of English
- Complete a writing sample to be scored by current teacher and future Honors teacher
 - End of Marking Period 2 for a change at the semester (in grades 9 & 10)
 - End of Marking Period 3 for placement the following year
- Pass an Honors test with a score of at least 80% (same timeline as writing sample)
 - Basic ELA terms, literary elements, vocabulary, grammar, punctuation
- Receive teacher recommendation (based on teachers’ observation of self-motivation, self-direction, organization, effort, time management, attitude, communication skills, self-advocacy, initiative, desire to be challenged, analysis skills, and ability to grasp underlying principles [conventions, grammar, punctuation, text structures])

A student may be dropped from Honors English at the semester if any of the following triggers occur:

- Grade in Honors English falls below a B-
- Student surpasses the missing work/late work threshold of FIVE assignments
- Student surpasses the attendance threshold of SEVEN attendance marks
- Teacher recommendation (based on teachers’ observation of classroom skills, attitude, behavior - see above for recommendation requirements)

MATHEMATICS

Roscommon High School is committed to offering instruction that best fits our math learners. We provide a variety of options to support those who require skill development, and to challenge those who excel in this content area.

The traditional progression through the four required math credits is as follows: Algebra I, Geometry, Algebra II, and a senior math choice (there are several). Note that each student must complete a full math credit in his/her senior year.

Eighth grade students can earn Algebra I credit, and can progress directly to Geometry in the freshman year. Students can also opt to take Integrated Math in their freshman, sophomore, and junior years to fulfill the Algebra I, Geometry, and Algebra II requirements (see course description for details).

Algebra I A

$\frac{1}{2}$ Credit

Grades 9-10

Prerequisite: data that reflects understanding of Math 8 curriculum; teacher recommendation

This course is the entry level math course for most high school students. This half of Algebra I covers solving, graphing and writing linear equations.

Algebra I B

$\frac{1}{2}$ Credit

Grades 9-10

Prerequisite: Algebra I A

This half of Algebra I covers solving systems of linear equations, exploring exponential equations, polynomial operations, and factoring, graphing, and solving quadratic equations.

Fundamentals of Algebra

1 credit

Grades 9-10

Prerequisite: Teacher recommendation/ Individualized Education Plan

This course is a two-semester class for students who have special education goals in math. Through individual pacing and group instruction, the class focuses on algebraic expression, real number properties, and linear equations.

Geometry A

$\frac{1}{2}$ Credit

Grades 9-11

Prerequisite: credit for Algebra IA and Algebra IB content

The first half of this course is an application and extension of the mathematical concepts learned in Algebra I. Topics that will be covered include transformations, parallel and perpendicular lines, congruent triangles, properties of triangles, and similarity.

Geometry B**½ Credit****Grades: 9-11**

Prerequisite: Geometry A

This second semester course continues the application and extension of Algebra concepts and builds on the ideas learned in Geometry A. Topics that will be covered include right triangles, trigonometry, quadrilaterals, circles, areas of polygons, surface area, and volume.

Fundamentals of Geometry**1 credit****Grades: 10-12**

Prerequisite: one Algebra credit; teacher recommendation / Individualized Education Plan

This course is a two-semester class for students who have special education goals in math. Through individual pacing and group instruction, this course focuses on the key topics that provide a strong foundation in the essentials of geometry. Topics include basics of geometry, segments and angles, parallel and perpendicular lines, triangle relationships, congruent triangles, quadrilaterals, similarity, polygons and area, surface area and volume, right triangles, and trigonometry and circles.

Algebra II A**½ Credit****Grades: 10-12**

Prerequisite: Geometry A & B

The first half of Algebra II covers trigonometry functions, graphing sine and cosine, and expanding on quadratics and polynomials from Algebra I.

Algebra II B**½ Credit****Grade: 10-12**

Prerequisite: Algebra II A

This course is a continuation of Algebra II A. This course covers rational expressions, rational exponents, operations on functions, inverses, exponential and logarithmic functions, sequences and series, and probability and statistics.

Pre-Calculus**½ Credit****Grades 11-12**

Prerequisite: Algebra II

This course is an in-depth look at functions and their graphs, maximums and minimums, polynomial and rational functions, logarithms, exponential equations, probability, matrices, and an introduction to Calculus. Use of the graphing calculator is required for this course. With the work students do in this class plus supplemental CLEP preparation, students can successfully earn college credits in **Pre-Calculus**.

Trigonometry**½ Credit****Grades 11-12**

Prerequisite: Algebra II (o average minimum) This course is a study of trigonometric functions, and their inverses, vectors, 3-dimensional space, trigonometric identities, radian and degree measure, law of sines and cosines, and polar coordinates.

A.P. Calculus AB**1 Credit****Grade 12**

Prerequisite: Trig and Pre-Calc; recommendation of current math teacher

This course is designed to meet the needs of the exceptional math student. Students will be prepared to take the Calculus AB Advanced Placement test at the conclusion of the course. Topics include: elementary function, properties of particular functions, limits, differential calculus, and integral calculus. Use of the graphing calculator is required for this course.

Personal Finance**½ Credit****Grade 12**

Personal Finance is a one semester course. The goal of this course is to provide students with some basic personal finance tools and knowledge that will enable them to make sound financial choices. The class is organized into four main areas that include financial responsibility and decision making, income and careers, spending and credit, and saving and investing. The focus is on financial decisions and the math necessary to make those decisions.

Accounting**½ Credit****Grade 12**

Accounting 1A is an introductory course in the fundamentals of accounting, including vocabulary and applications of the accounting cycle. This class is highly recommended for students interested in a career in business.

Applied Math**1 Credit****Grades 9-12**

Students pursuing a certificate of completion rather than a diploma may opt to take Applied Math to fulfill their mathematics requirements for graduation. To be eligible for this class, a student must have an IEP and his or her IEP team must determine that this placement is appropriate.

Science

Students must earn three credits in science to graduate. One of those credits must be Biology. Students must also have either Chemistry or Physics. The third science credit is a matter of choice. Most of our students choose the following progression: Physical Science in the freshman year, then Biology, then Chemistry or Physics. Students with particular interests and career goals in the sciences can choose to take more credits in this area and we encourage you to do so.

Physical Science A (pre physics)

½ Credit

Grade 9-12

This course is considered an introduction to Physics as it explores the study of motion and the mechanics of motion. Specific concepts include force, motion, work, heat, energy, temperature, waves, sound, and light.

Physical Science B (pre chemistry)

½ Credit

Grade 9-12

This portion of Physical Science is an introduction to Chemistry during which we study motion and the mechanics of motion. Specific concepts include matter, states of matter, atoms, The Periodic Table of Elements, the structure of matter, and chemical reactions.

Biology A

½ Credit

Grade 9-11

Prerequisite: Physical science A & B or recommendation of eighth grade teacher.

Students study the Scientific Method, Biochemistry, Cells, and Genetics.

Biology I B

½ Credit

Grade 9-11

Prerequisite: Successful completion of Biology IA.

Students study Evolution, Microbiology, Invertebrate Zoology, and Ecology.

Chemistry I A

½ Credit

Grade 10-12

Prerequisite: C or better in Algebra I

Chemistry is a lab-oriented course in which students will study measurements using the metric system, atomic structure, chemical bonding, compounds and formulas, and chemical reactions.

Chemistry I B

½ Credit

Grade 10-12

Prerequisite: Successful completion of Chemistry IA

During Chemistry IB students will study the Gas Laws, Properties of Solutions, Acids/Bases, Organic Chemistry, and Nuclear Chemistry.

Fundamentals of Chemistry A**½ Credit****Grade 11-12**

Prerequisite: Algebra I; data that reflects the need to alter the pace and content of the typical curriculum; teacher recommendation

Fundamentals of Chemistry B**½ Credit****Grade 11-12**

Prerequisite: Fundamentals of Chemistry A; teacher recommendation

The Fundamentals of Chemistry course fulfills the required Michigan Merit Curriculum requirement for Chemistry. The course alters the pace of the typical Chemistry curriculum by allowing repeated exposures and practice for complex concepts.

Physics A**½ Credit****Grades 11-12**

Prerequisite: Successful completion of Alg I (C or better)

The study of motion and the mechanics of motion are at the core of this course's curriculum.

The class is inquiry-based as students collaborate with peers to develop solutions to common problems through data collection, observation, and problem-solving. Specific concepts include force, motion, work, energy, momentum, gravitation, and equilibrium.

Physics B**½ Credit****Grades 11-12**

Prerequisite: Successful completion of Physics A

This portion of the course investigates phenomena such as phases of matter, kinetic theory, heat, waves, sound, electricity & magnetism, and light.

Space Science/Astronomy**½ Credit****Grades: 10-12**

Prerequisite: sophomore standing

Astronomy is that science that studies the universe. Specific concepts include observing the night sky, our solar system, spacecraft, and space technologies.

Anatomy & Physiology**1Credit****Grades 11-12**

(Alternating Years--even)

Prerequisite: Biology I and Chemistry I.

Students learn the features of the house cat as they apply to human anatomy. The first semester covers the skeletal, muscular, digestive, and circulatory systems. In the second semester, students learn the respiratory, excretory, reproductive, endocrine, and nervous systems.

A.P. Biology**1 Credit Grades: 11-12**

(Alternating Years -- odd)

Prerequisite: Chemistry I and instructor approval

This class is designed to be equivalent to a general biology course taken during the freshman year in college. To be successful, students must have a strong aptitude and interest in science. Students are expected to take the AP Biology test in the spring.

SOCIAL STUDIES

The Michigan Merit Curriculum requires US History (1 credit), World History (1 credit), Economics (1/2 credit) and American Government (1/2 credit). There are a number of courses we offer as social studies electives as well. Typically students have plenty of room in their schedules for these classes if they choose to include them.

US History/Geography A

½ Credit

Grade 9

This course focuses on the history of America from 1900-1945. The curriculum incorporate geography, as well as political and social history from the Spanish American War, the Progressive Era, World War One, the Roaring Twenties, the Great Depression and New Deal and World War II. This course consists of writing papers, projects, lecture, and other assessment.

US History/Geography B

½ Credit

Grade 9

This course focuses on the history of America from 1945-Present. The curriculum incorporates geography, as well as political and social history from the Cold War Era, including Korean and Vietnam Wars. Included is the pop culture of the fifties, sixties, and seventies along with the Civil Rights and other social movements that occurred during modern American History. Policies of Ronald Reagan, George H.W. Bush, and Bill Clinton will be studied. This course consists of writing papers, projects, lecture, and other assessment.

World History/ Geography A

½ Credit

Grade 10-12

The first semester of this course focuses on the time of prehistory to the Renaissance. Included topics are both ancient civilizations and the development of modern European, Asian and American cultures. The development of agriculture, language and religions will also be discussed. This course will include researching and writing papers, lectures, projects and other forms of assessment. Both World History I and II are required to meet Michigan Merit Curriculum requirements.

World History/Geography B

½ Credit

Grade 10-12

The second semester of this course will cover the time period from the Renaissance to the present. Units will include Exploration and Change in Europe, the Rise of Industrialization and Nationalism, WWI and WWII, and the post-WWII era. This course will include researching and writing papers, lectures, projects and other forms of assessment. World History II along with World History I are required to meet Michigan Merit Curriculum.

American Government**½ Credit****Grade 10-12**

Prerequisite: US History A & B

This course focuses on the American Governmental System. It includes the foundations of American Government, the powers and duties of the three branches of government, and the influence of the media on our government. Elections, political parties, and the citizen's role in government will also be studied. The course consists of writing papers, lectures, and chapter tests.

Economics**½ Credit****Grade 10-12**

Prerequisite: US History A & B

This class will introduce the principles of macro and micro economics in addition to economic history, supply and demand, inflation, and unemployment. Students will be able to analyze past and present economic conditions, and reasonably predict future economic conditions.

Sociology**1 Credit****Grade 11-12**

(alternating years -- odd)

This is an introduction to the study of sociology and methods of studying social life and its institutions and problems. The student will be able to apply knowledge about the complexities of society and culture. Topics will include: racism, sexism, militarism, drug use, values, norms, mores, and folkways of American culture. At the conclusion of this course, students may choose to take a CLEP test to earn college credit.

Intro to Psychology**½ Credit****Grades 11-12**

(alternating years -- odd)

This course is an introduction into the study of behavior and mental processes. Topics that will be covered include lifespan development, the biological basis of behavior, sensation and perception, learning, states of consciousness, psychological disorders, and social psychology.

AP Psychology**1 Credit****Grades 11-12**

(Alternating years -- even)

Prerequisite: Instructor Approval

This year long course will explore the psychological facts, principles and phenomena associated with each of the major sub-fields of Psychology. The knowledge of psychological inquiry is hoped to provide perceptions of the world around us, insights into one's own and other's behavior, and an appreciation of the complexity of human behavior. Students are expected to take the Advanced Placement Psychology test or the CLEP test in the spring for college credit.

WORLD LANGUAGE

The Michigan Merit Curriculum requires two credits of foreign language studies. The requirements can be altered, though, depending on the type of post-secondary education the student intends to pursue. It is possible for students to replace a second credit of foreign language studies with industrial and/or fine arts credits above and beyond those required for graduation. It is essential that students weigh their post-secondary options before choosing to substitute something else for the second credit of foreign language studies.

Spanish I (A & B)

½ Credit per semester

Grades 9-12

This course is the introduction for high school students to the Spanish language. Topics covered are vocabulary, grammar, verb usage and culture. A successful Spanish 1 student will be able to construct simple sentences with a vocabulary of nearly 1000 words. They will learn to communicate their everyday needs to other Spanish speakers and they will gain a better understanding about Latin American culture and its people.

Spanish II (A & B)

½ Credit per semester

Grades 10-12

Prerequisite: Spanish I

This course is a continuation of Spanish I for high school students. Topics covered are vocabulary, grammar, sentence structure, verb tenses, culture, and more conversation practices. A successful Spanish 1I student will be able to construct sentences using the past tense with a vocabulary of nearly 2000 words. They will advance their skills in communication, listening, reading, and writing. Additionally, they will gain more understanding about Spanish culture, customs, and traditions.

Spanish III (A & B)

½ Credit per semester

Grades 11-12

Prerequisites: Spanish I & Spanish II

Students must have a minimum of a B in Spanish II

Recommendation from the instructor

This is an advanced course for students wanting to continue to learn the Spanish language. Topics covered are vocabulary, grammar, verb tenses, culture, conversation, advanced reading, writing, and listening practices and performances. A successful Spanish III student will be able to construct sentences using a variety of tenses with a vocabulary of over 3500 words. The course prepares them for Spanish in the future; therefore, the course is conducted almost exclusively in Spanish. Students are required

to speak the target language daily in the classroom. They will advance their skills in communication, listening, reading, and writing. Additionally, they will gain more understanding about Hispanic history, culture, traditions, customs, and historic and current icons.

AP Spanish IV **½ Credit per semester** **Grade 12**

Prerequisites: Spanish I, Spanish II, and Spanish III

Students must have a minimum of a B+ in Spanish III

Recommendation from the instructor

This is an advanced, independent course for students wanting to continue to learn the Spanish language and possibly receive college credit through the CLEP Spanish Exam or AP Spanish Exam. In this course they will refine previously learned material, learn new vocabulary, and master the final introduction of advanced grammar. This course incorporates an extensive reading and writing component and linguistic accuracy through discussion on contemporary issues. Students are required to speak the target language daily in the classroom.

FrenchIA and French IB **½ Credit per semester** **Grades 9-12**

This course is the introduction for high school students to the Spanish language. Topics covered are vocabulary, grammar, verb conjugation and culture. A successful French 1 student will be able to construct simple sentences, use language skills to read and respond to simple texts, both oral and written. They will learn to discuss their personal preferences about activities, foods, and school subjects. They will also learn to describe their family, themselves, and their friends. Students will learn about the traditions and lifestyles of various French speaking countries.

French IIA and French IIB **½ Credit per semester** **Grades 10-12**

Prerequisite: French IA and B

This course is a continuation of French I for high school students. Topics covered are vocabulary, grammar, sentence structure, verb tenses, culture, and more conversation practices. A successful French II student will be able to construct sentences using the past tense with an expanded vocabulary, including some slang. They will advance their skills in communication, listening, reading, and writing. Additionally, they will continue to explore French-speaking regions, customs, and traditions.

INDUSTRIAL ARTS

Woods

½ Credit

Grades 9-12

Traditionally referred to as woodshop, this introductory course is designed for any student interested in learning about the craft of woodworking. The students will learn how to properly identify and use a variety of hand tools and power equipment found in the carpentry trades through lectures, notes, demonstrations, and hands-on practices. The students will gain knowledge in material selection, project planning, problem-solving, and applied math and science. This is a project-oriented course, which students will have the opportunity to construct small and medium sized projects approved by the instructor. Emphasis will be on Safety and Quality of Craftsmanship. Students will need to be in attendance and participate fully in all activities. This course may be taken multiple semesters and as students grow in their skill and knowledge, they will be introduced to more advanced concepts

FINE ARTS

Concert Choir – year long

1 Credit

Grades 9-12

This class is designed to provide performance experiences and development of musical skills and knowledge. Students will cover a variety of choral literature and be instructed in areas of music fundamentals, sight-reading, vocal development, performance skills, and musical expression. Members are required to attend all performances and extra rehearsals in order to receive credit in this course. Membership in the choir is a year-long commitment.

Symphonic Wind Ensemble / Band – year long

1 Credit

Grade 9-12

Prerequisite: Audition or permission from instructor.

Band is a performance-based class and attendance at after school performances is required. The band performs at all home football and basketball games, Fine Arts Festival, parades, and pep assemblies. The band will explore music of our collective heritage.

Jazz Band – year long

1 Credit

Grades 9-12

Prerequisite: Audition with or permission from instructor. Concurrent enrollment in band is required. **This class meets during zero hour-at 6:50 A. M.**

Instrumentation: saxophone, trombone, trumpet, piano, bass guitar, drums, and percussion. Band enrollment may be waived for piano, bass, and guitar students with permission of instructor.

Jazz Band explores and performs all forms of jazz music from Dixieland to rock. Performance style is emphasized, and experimentation in improvisation is offered to interested students.

Steel Band

¼ Credit

Grades 9-12

Enrollment by permission of the instructor. Steel band is a performance based class that focuses predominantly on rock and roll. This group performs a minimum of three concerts per year.

Art & Design

½ Credit

Grades 9-12

This course is designed to provide students with an in-depth understanding of 2D and 3D media processes. Throughout the course students will explore a variety of media. Projects may include, but are not limited to drawing, painting, graphic design, screen-printing, ceramics, sculpture, printmaking and mixed media. Students will work in a wide assortment of media such as graphite, charcoal, pastel, pen and ink, clay, watercolor, and acrylic paint. The end goals are to increase artistic self confidence, increase one's understanding of the basics of a variety of media processes and to produce successful works.

Drawing & Painting

½ Credit

Grades 9-12

Students will explore drawing and painting as a fundamental basis for art. Throughout this course, students will develop a visual awareness and appreciation of the arts. Composition, visual elements, principles of design, and the basic techniques and concepts of both drawing and painting will be covered. Students will explore painting in the form watercolor and acrylic. The end goals are to increase artistic self confidence, increase one's understanding of the basics of drawing /painting and to produce successful works.

Advanced Art

1 Credit

Grades 9-12

By teacher invitation only

This course is for students who are highly motivated and have a desire to do college level work. Course work is designed around those students who are planning a career in the visual art field. Students will concentrate their efforts on developing an art portfolio, which will include 20 quality works of art per semester in various media around a common theme. Students must also submit a writing piece for their portfolio. A digital portfolio showing the student's work is required for the final evaluation at the end of the course.

Drama

½ Credit

Grades 10-12

This course gives students the background skills they need in order to succeed on the stage. Through monologues, pantomimes, group work and games, basic theatre skills are emphasized.

Robotics**½ Credit****Grades 9-12**

This class can be one or two semesters. Class members gain a foundational knowledge of problem solving, electrical, building, materials, coding, functions, planning, team branding, grant writing, scouting, engineering, mechanics, driving and teamwork. During the coding process, students will learn enough code to make a game and design an app.

Life Skills

Life Skills

½ Credit

Grade 12

Students will complete the Financial Peace for the Next Generation personal finance curriculum. Students will also participate in a healthy sexuality education unit where abstinence is stressed. Other topics include: media, people skills, and interviewing. **This course is required in the senior year for graduation.**

Parenting

½ Credit

Grades: 11-12

This course is designed to give students knowledge, basic skills and a positive attitude toward pregnancy and in the handling of children. It examines personal readiness to become a parent and important issues related to raising healthy children and building positive parent-child relationships. Areas to be covered include: preparation for parenthood, pregnancy, needs of children, child development and discipline methods.

Health

½ Credit

Grade 9

In this course, positive attitudes toward their own health and well being will be developed by students.

With the assistance of the teacher, students will develop personal health practices and consumer health skills; examine the topic of emotional and mental health; prepare for personal growth and development; investigate family health issues; investigate the effects of substance use and abuse; practice disease prevention and control; explore HIV infection and AIDS; assess their nutritional needs; and demonstrate First-Aid techniques and safety procedures. **This course is required for graduation.**

SAT Prep

½ Credit

Grade 11

This class is designed for Juniors who will be taking the SAT as part of the MME. They will rotate through three content area teachers' classrooms to review science, math, reading, and English skills that will help them take the test and be able to pace themselves during the test.

Resource

½ Credit

Grades 9-12

To be eligible for this class, a student must have an IEP and his or her IEP team must determine that this placement is appropriate. This course is designed to allow students to receive special education support during the school day as they practice skills and do work from their core academic classes.

Physical Education

Physical Education 9

½ Credit

Grade 9

Prerequisite: None

Students will be involved in the following activities: fitness testing, cross country running, touch football, soccer, speedball, basketball, volleyball, indoor track, outdoor track, and softball.

Required for graduation.

Strength & Conditioning

½ Credit

Grade: 10-12

Prerequisite: Must have passed PE9

This is a second level class. Students that take this class will be expected to be knowledgeable about lifting programs and weight safety. Students will lift weights every class period. This class will also incorporate PE 9 units into the curriculum.

Physical Education 9-12

½ Credit

Grade 9-12

Prerequisite: None

This class is a hybrid of the physical education and strength classes. Students will learn the basics of weight training and safety, while also participating in individual and team sports.

Dual Enrollment Courses offered in partnership with Kirtland Community College-- [KCC Course Catalog](#)

Each of these courses = 0.5 high school credits and an average of 3 college credits

Primarily online offerings and this list is not exhaustive. See KCC course catalog.

- Civil War
- Intro to Psychology
- Composition I
- Composition II
- Intro to Business
- Intro to Sociology
- American Government
- Intro to Interpersonal and Public Communication
- Fundamentals of Speech
- Accounting Principles I
- Intermediate Algebra
- College Algebra
- Statistics
- Medical Terminology
- Entrepreneurship and Innovation
- Intro to Computers
- Principles of Selling
- World Geography
- Intro to Health Information Management
- Intro to Physics
- Anatomy and Physiology
- Dosages and Calculations
- Biology
- Advanced Cosmetology courses

Credit Recovery through Edgenuity (E2020) and/or Michigan Virtual High School

[See complete Edgenuity Course Catalog here](#)

[See complete MVHS Course Catalog here](#)

These courses are online and built into students' traditional schedules.

English Language Arts:

- English 9A
- English 9B
- English 10A
- English 10B
- English 11A
- English 11B
- English 12A
- English 12B

Foreign Language:

- Spanish IA
- Spanish IB
- Spanish IIA
- Spanish IIB

Mathematics:

- Algebra IA
- Algebra IB
- Geometry A
- Geometry B
- Algebra IIA
- Algebra IIB
- Financial Math
- Personal Finance
- Pre-Calculus
- Math Models with Applications
- Pre-Algebra

Science:

- Physical Science A
- Physical Science B
- Biology A
- Biology B
- Chemistry A
- Chemistry B
- Earth Science A
- Earth Science B
- Environmental Science

Social Studies:

- US History A
- US History B
- World History A
- World History B
- Government
- Economics

Other

- Career Planning and Development
- Art History

Michigan Virtual High School Electives

[See complete MVHS Course Catalog here](#)

These courses are online and scheduled for enrichment purposes.

They are built into the student's traditional schedule.

English Language Arts:

- Intro to Journalism
- Advanced Journalism
- Mythology and Folklore
- World Literature

Mathematics:

- AP Statistics
- Mathematics of Baseball
- Accounting
- Statistics and Probability

Science:

- AP Chemistry
- AP Environmental Science
- AP Physics
- Astronomy
- Bioethics
- Forensic Science
- Oceanography
- Veterinary Science

Social Studies:

- Anthropology
- AP Human Geography
- AP Macroeconomics
- AP Microeconomics
- AP Psychology
- AP Government
- AP US History
- AP World History
- Archaeology
- Criminology
- Leadership Skills Development
- Native American History
- Philosophy
- Intro to Sociology
- Social Problems
- World Religions

World Languages:

- American Sign Language I
- American Sign Language II
- AP Chinese
- AP French
- Chinese I
- Chinese II
- Chinese III
- Chinese IV
- French I
- French II
- French III
- French IV
- German I
- German II
- German III
- German IV
- Japanese I
- Japanese II
- Latin I
- Latin II
- Latin III

General Electives:

- AP Art History
- AP Computer Science
- Art Appreciation
- Business Ethics

- Digital Imaging and Communication
- Entrepreneurship
- Film Studies: American Film
- Film Studies: Directors of the Golden Age
- Foundations of Programming
- Game Design
- Hospitality and Tourism
- Intro to Computer Programming: Java
- Intro to Computer Programming: Visual Basic.net
- Medical Terminology
- Microsoft Office 2013
- Music Appreciation
- Personal Fitness
- Social Media
- Sports & Entertainment Marketing
- Web Design Basics HTML

COOR Advanced Technical Innovation Center Program Guide 2023-2024

Business/Marketing:

- Discover your inner-executive, become a marketing guru, and learn how to “wow” your customers.
- Create eye-catching advertisements, develop social media and run special events to make an impact.
- Be the boss, work for yourself, run your own business.

What You'll Learn

No matter what you choose to do in life, it is essential to have strong business, leadership and marketing skills! In this program, designed for beginners to the advanced, students learn valuable leadership, entrepreneurship and marketing skills that will provide them with a successful foundation for any career, in addition to the knowledge necessary to manage and run their own business.

This program is packed with several engaging projects, virtual simulations, field trips, job shadows and guest speakers. Students can also earn national industry certifications and even an associate's degree for free!

Licenses/Certificates Available

- Microsoft Office Specialist (Word, PowerPoint, Excel, Access and Outlook),
- Entrepreneurship and Small Business
- Customer Service & Sales and Retail Management
- **Early Middle College opportunity with either Ferris or Kirtland for an Associate Degree in Business**

Health Occupations:

- Make a difference by providing quality care alongside experts in many healthcare professions.
- Apply health care skills in a variety of clinical environments.
- Develop a professional work ethic and the ability to provide compassionate patient care.

What You'll Learn

Year 1: Patient Care Technician

Students will make a difference by providing quality care alongside experts in many different healthcare professions. They will apply the health care skills they master in class to a variety of clinical environments while developing a professional work ethic and the ability to provide compassionate patient care.

Students will learn the core and foundation skills (temperature, pulse, respirations, blood pressure, etc.) for health fields such as medical assisting, laboratory, medical office technology, dental assisting, optical technology, nursing and pharmacy. Also, students will gain an understanding in all areas of the health core curriculum including: safety, anatomy and physiology, asepsis, ethics, medical terminology, pharmacology, illness prevention and office procedures. Direct Credit for Medical Terminology semester 1 and Medical Ethics semester 2.

Year 2: EMT on hold 2023 based on enrollment projections

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 Technician (NREMT) exam to become an Emergency Medical Technician (EMT). Students will be required to complete 50 hours of clinical training in a fire department or an ambulance service.

Licenses/Certificates Available

- CPR and First Aid through the American Heart Association
- Patient Care Technician (PCT Year 1)
- EMT Certification (Year 2)
- 6 college credit hours
- **Early Middle College opportunity for an Associates Degree in Allied Health with Ferris**

Mechatronics/Engineering:(On hold based on 2023 projections)

- Invent, revolutionize, build and creatively solve the needs and demands of a technologically advancing world.
- Design and build powerful robotic, hydraulic, pneumatic, electrical, electronic and mechanical systems.
- Creatively solve complex engineering and design challenges using advanced CAD/CAM and CNC technologies.

What You'll Learn

Students will learn high-tech engineering technologies to invent, revolutionize, build and creatively solve the needs and demands of a technologically advancing world. Students will design and build powerful robotic, hydraulic, pneumatic, electrical, electronic and mechanical systems and learn to creatively solve complex engineering and design challenges using advanced CAD/CAM and CNC technologies. The curriculum also includes core foundational skills for design processes, power, machines, quality insurance and fabrication.

Licenses/Certificates Available

- Fanuc certification
- Tooling U certification
- College partnerships in progress to develop credit opportunities as well as a potential apprenticeship opportunity.

Welding:

- Control fire, electricity and heat to design, dismantle and fabricate a wide range of products.
- Use advanced equipment and techniques to join, cut, bend and manipulate metal.
- Develop the skill, confidence, work ethic and stamina necessary for a high-paying career anywhere in the world.

What You'll Learn

Students will learn to control fire, electricity and heat to design, dismantle and fabricate a wide range of products. Students will use advanced equipment and techniques to join, cut, bend, and manipulate metal as they develop the skill, confidence, work ethic and stamina necessary for a high-paying career anywhere in the world. The curriculum includes core foundational skills for design processes, power, machines, quality insurance and fabrication.

Licenses/Certificates Available

- AWS welding certification
- **Early Middle College opportunity with Kirtland Community College for AWS welding certification.**

Construction:

- Build and maintain residential and commercial construction projects.
- Operate power tools and heavy equipment for demolition and construction.

- Read blueprints for rough and finished carpentry, masonry, electrical and plumbing.

What You'll Learn

Students will gain skills to work in all areas of the construction field, including carpentry; interior/exterior finishing; electrical; plumbing; masonry; heating, ventilation, air conditioning and refrigeration (HVAC/R); and home repair, building and grounds maintenance.

Students will build and maintain residential and commercial construction projects, operate power tools and heavy equipment for demolition and construction, and read blueprints for rough and finished carpentry, masonry, electrical and plumbing. This program of study will also prepare students who are interested in entering a post-secondary program in construction management. Students can earn Level 1, 2 or 3 in the JATC certification. This certification is recognized by all United Brotherhood of Carpenters (UBC) throughout the country.

Licenses/Certificates Available

- OSHA-10 Safety Certification
- OSHA-30 Safety Certification
- Career Connections Certification

Cosmetology:

- Work alongside professionals in a full-service, interactive salon and spa.
- Use advanced salon techniques to provide a full range of hair, nail and skincare services.
- Create artistic designs using the latest technology, trends and brand name products.

What You'll Learn

Students will work alongside professionals in a full service, interactive salon and spa using advanced salon techniques to provide hair, nail and skincare services; and to

create artistic designs using the latest technology, trends and brand name products. Core skills include entrepreneurship, salon ecology, safety and electricity, general anatomy and chemistry.

Technical skills include hair care and treatments, esthetics, nail technology, hair cutting and hair coloring. This course uses an advanced integrated curriculum in academics, technical and workplace skills. Successful completion of the Cosmetology program allows the student to apply for State licensing exams (which requires postsecondary attendance). Year 1 and Year 2 may be taken at COOR ATIC.

Licenses/Certificates Available

- State of Michigan Cosmetologist License
- **College credit with Kirtland**

Criminal Justice:

- Perform law enforcement operations such as specialized SWAT strategies, forensic investigative techniques to process crime scenes, and applying counter-terrorism tactics
- Work with certified law enforcement and homeland security professionals to keep the community safe
- Examine the critical roles of corrections, rehabilitation, and probation in the criminal justice system

What You'll Learn

Students will develop an understanding of the criminal justice system by exploring the three components of the system: law enforcement, courts and corrections. During the program, students are exposed to in-demand technical and foundational skills such as ethical responsibility, situational awareness, report writing and field note-taking, courtroom testimony, crime scene management, criminal law and investigation, health and safety, and trends affecting the corrections system. Students will also learn from local Fire Department officials and be eligible for Fire Safety 1 Certification.

Students are required to participate in physical fitness each week to prepare for the post-secondary certification. Additionally, physical fitness provides students with an

opportunity to build intellectual strength. Students develop their own career portfolios throughout the year.

Licenses/Certificates Available

- Adult and Pediatric CPR/AED/First Aid
- Naxalon (narcan) Administration
- Fire Safety 1 certification
- College credit opportunity
- **Early Middle College agreement with Kirtland Community College Police Academy;** Associates Degree in Criminal Justice with full certification as a Police Officer

Automotive Technology:

- Learn the basics of automotive technology
- Gain a basic understanding of how to maintain a vehicle
- Understand safety procedures required to work in an automotive shop environment

What You'll Learn

This course provides students with an introduction to shop safety practices, tool/equipment usage, lab procedures, auto equipment and engines. Theory and operation of electrical components, career exploration, and employability skills will also be taught. Year 1 will be at the COOR ATIC, but Year 2 will be at Kirtland per their schedule depending upon enrollment.

Licenses/Certificates Available

Direct college credit, certificate of completion, ASE student certification.

With the **Early Middle College option**, students can earn up to 54 free college credits and Master Certification through Kirtland Community College.

Education (Teacher Cadet or Future Proud Educator):

- Understand the role of a classroom teacher, with options for early childhood, elementary, or secondary experiences.
- Observe and work directly with classroom teachers to educate students.
- Attend staff meetings, professional development, and gain an overall understanding of the educational system.

What You'll Learn

This is a program 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. Year 1 and Year 2 available aligned with Ferris State University classes.

Licenses/Certificates Available

CDA (Child Development Associate) or MI-YDA (Youth Development Associate) certifications

Up to 9 college credits available at various postsecondary institutions

Early Middle College option with Ferris State University or Kirtland Community College for an Associates Degree aligned with the Michigan Transfer Agreement.

An Equal Opportunity Program / Employer

Auxiliary aids, services, and alternative formats will be made available upon request to individuals with disabilities.

Michigan Relay Center 1-844-578-6563 (Voice and TTY)

The C.O.O.R. Intermediate School District gives notice that it does not discriminate based on race, color, national origin, ethnicity, religion, sex (including pregnancy, gender identity, and sexual orientation), height, weight, marital status, age, disability, genetic information, veteran status, military service, or any other legally protected class in the education programs and activities operated by the District, including employment. Inquiries regarding discrimination or Title IX complaints should be addressed to your supervisor or the Title IX Coordinator: Director of Special Education; 989-275-9555.

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