

Course Handbook 2021-2022

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Kingsley High School Requirements

Twenty-five (25) credits will be required for graduation.

The following are minimum credit requirements that must be satisfied:

- 4 English credits – English I, II, and III required
- 4 Math credits –Algebra I, Geometry, Algebra II required
(1 credit of math in the 4th year)
- 3 Social Studies credits – US History & Geography II,
World History & Geography, Civics/Econ required
- 3 Science credits – (Biology, Chemistry or Physics or
Physical Science plus one other credit)
- 2 World Language credits*
- .5 Physical Education credit – .5 Health credit
- 1 Visual, Performing, or Applied Arts

Several elective courses are available. Students can elect to take more science, math, English, or other social studies courses beyond the above stated requirements. In other words, a student may have more than the required credits in math, science, English, or social studies.

*World Languages (Three Options)

(Option 1) 2 Credits of same world language

(Option 2) 1 Credit world language and an additional VPAA

(Option 3) 1 Credit world language and one program completion at the CTC

A typical course load for a **Freshman** is

- English I or Honors English I (Pre AP)
- Math (Algebra I or Geometry)
- Science (Physical Science or Biology)
- Social Studies (US History & Geography I)
- World Language (German or Spanish)
- Academic Center
- Physical Education/Health
- Elective(s) - Art I, Woodworking I, CAD, Choral Music, Choral Fusion, Jazz Band, Instrumental Music, Music Theory, WEB Design I, Integrated Tech, Coding, Robotics or Practical Computing

Kingsley students will take a full load of classes, (7½) credits each year. With (15) credits completed as a sophomore, most requirements will be on the way to being completed. This will open up many opportunities for students in their junior and senior years. The TBA Career Tech Center offers (23) programs to train students for the workforce right after high school. Students receive (3.5) credits and are at the Tech Center for 2½ hours. Classes are only offered in the afternoon. This will give students a chance to learn a skill and still take a college prep academic program at high school.

Eligible students may elect to dual enroll as a junior. This would allow students to gain college credit while in high school. Students must earn a 3.3 GPA for three or more semesters of high school to be eligible for NMC. Students may then take academic course work at NMC, provided they get accepted by NMC. Dual enrolled students have the option whether to count classes for high school credit or not. College Prep students should take 16 credits in the core classes, English (4), Math (4), Social Studies (4), and Science (4). It is also recommended to have two years of a world language.

ENGLISH DEPARTMENT



Course Title: **Reading**

Grade Level: 9

Prerequisite: Instructor / counselor approval

Credit: 1 credit

Students will strengthen active reading behaviors with high-interest novels and interactive software. Students will compose brief written responses to their reading selections, which will also improve their writing abilities and strengthen their vocabulary. Counselor/instructor placement only

Course Title: **English I (required)**

Grade Level: 9

Prerequisite: None

Credit: 1 credit

The first of the required core English classes, English I examines elements of literature, types of writing and reviews English grammar. Included are fundamental literary genres: short stories, novels, drama, and poetry.

Course Title: **Honors English I (Pre AP)**

Grade Level: 9

Prerequisite: English 8 Advanced / Instructor approval

Credit: 1 credit

This course will cover the material of English I but will be taught at an accelerated pace and rely on supplemental reading as well. It is intended for students who will take AP English Literature during their senior year. Teacher approval is necessary before registering. All honors and AP students are expected to complete a summer reading assignment, which will be due on the first day of school.

Course Title: **English II (required)**

Grade Level: 10

Prerequisite: English I

Credit: 1 credit

The concentration in this course is on reading comprehension and writing skills. American literature is studied in units dealing with the characteristics of the different genres: essays, short stories, plays, poetry, and novels.

Course Title: **Honors English II (Pre AP)**

Grade Level: 10

Prerequisite: English I Honors and/or Instructor approval

Credit: 1 credit

This course will cover the material of English II but will be taught at an accelerated pace and rely on supplemental reading as well. It is intended for students who will take AP English Literature during their senior year. All honors and AP students are expected to complete a summer reading assignment, which will be due on the first day of school.

Course Title: **English III (required)**

Grade Level: 11/12

Prerequisite: English I & II

Credit: 1 credit

This course emphasizes further development of reading, writing, and speaking skills. The literature includes both fiction and nonfiction by authors from around the world.

Course Title: **Honors English III (Pre AP)**

Grade Level: 11/12

Prerequisite: English II Honors and/or Instructor approval

Credit: 1 credit

This course will cover the material of English III but will be taught at an accelerated pace and rely on supplemental reading as well. It is intended for students who will take AP English Literature during their senior year, so literary analysis is a focus. All honors and AP students are expected to complete a summer reading assignment, which will be due on the first day of school.

Course Title: **Oral Communications**

Grade Level: 11/12

Prerequisite: English I & II

Credit: ½ credit (semester course)

This course, geared toward 11th and 12th grade students, focuses on all types of verbal expression, especially public speaking. It also incorporates some analysis of famous speech models.

Course Title: **Written Communications**

Grade Level: 11/12

Prerequisite: English I & II

Credit: ½ credit (semester course)

This is a semester course with a focus on expository writing. The emphasis is on teaching students the skills necessary to write effective, businesslike communication.

Course Title: **English IV**

Grade Level: 12

Prerequisite: English I, II, & III

Credit: 1 credit

This course is for the serious English student. Emphasis throughout the year will be on analytical reading, viewing, and expository writing. Reading is both modern and classical.

Course Title: **AP English Literature**

Grade Level: 12

Prerequisite: English I, II, III and/or Instructor approval

Credit: 1 credit

This is a college-level course that focuses on literary analysis. A wide variety of literature is used to prepare for the National AP test in May. College credit may be earned by passing the test. All honors and AP students are expected to complete a summer reading assignment, which will be due on the first day of school.

MATHEMATICS DEPARTMENT

Course Title: **Algebra I** (State Requirement)

Recommended Grade Level: 9

Prerequisite: None

Credit: 1 credit

This course is designed to use variables in place of numbers. Students will learn how to add, subtract, multiply, divide, and solve equations involving variables. They will also graph linear equations by plotting points and by using a graphing calculator. Students will also be introduced to probability and quadratic equations, exponentials, and factoring.

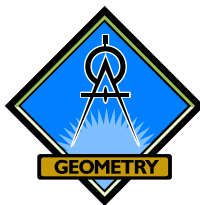
Course Title: **Geometry** (State Requirement)

Recommended Grade Level: 9/10

Prerequisite: Algebra I

Credit: 1 credit

This is a study of postulates and theorems relating to lines, planes, triangles, circles, and polygons. It is a study of logical reasoning whereby the student learns how to prove theorems rather than accept them as true. Students also learn to construct figures and rotate or reflect those figures to new locations.



Course Title: **Algebra II** (State Requirement)

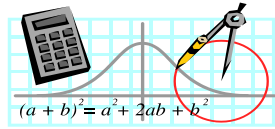
Recommended Grade Level: 10/11

Prerequisite: Algebra I

Credit: 1 credit

This course is a more advanced study of Algebra I. Besides expanding on Algebra I material, this course covers concepts in systems of equations, factoring, and applications of quadratic equations. Algebra II also involves work with variables to higher degrees and all the mathematical operations used to manipulate them.

Course Title: **Integrated Math**
Recommended Grade Level: 12
Prerequisite: Must be a senior
Credit: 1 credit



This course is designed to integrate concepts of Algebra, Geometry, and Career Math. Students will learn how to interpret data and probabilities, work with real numbers and variables, find areas and volumes, as well as work with angles and polygons. They will also work with equations and inequalities, polynomials, and reasoning skills.

Course Title: **Algebra and Trig for College Readiness**
Grade Level: Seniors only
Prerequisite: Must have passed Algebra II
Credit: 1 credit

This is a 4th year math class designed for the college bound student who elects to take a course other than AP Calculus or Pre-Calculus. Students will review the concepts essential for success in a first year mathematics course in college. Topics to be covered include functions, matrices, quadratics, exponentials, logarithms, trigonometry, rational functions, and systems.

Course Title: **Pre-Calculus**
Recommended Grade Level: 11/12
Prerequisite: Algebra I, Geometry, Algebra II
Credit: 1 credit

This course is designed to help the college-bound student prepare for further math classes. Students will explore algebraic, exponential, and logarithmic functions. They will also collect, analyze, process, and display data, and then apply their statistical analysis to a given situation. Students will learn to apply rules for sine, cosine, and tangent to real-world situations. Other related topics include vectors, parametric equations, and polar coordinates, as well as an introduction to calculus.

Course Title: **AP Calculus**

Recommended Grade Level: 11/12

Prerequisite: Algebra I, Geometry, Algebra II, Pre Calculus / Instructor approval

Credit: 1 credit

This is a college level class that covers limits, derivatives, and integrals of functions. Related rates, areas between functions, and volumes of revolutions are also stressed. College credit can be earned by passing the advanced placement test in the spring.

SCIENCE DEPARTMENT

High School Science Course Sequence Options

Michigan Merit Curriculum High School graduation requirements for science are: Biology, Chemistry or Physics, and one additional science credit. (3 credits)

*The Chemistry/Physics credit can be satisfied by a full year of Chemistry, a full year of Physics, or the Physical Science class.

**College bound students are encouraged to take Chemistry or Physics rather than Physical Science.

Grade	<i>Option 1</i>	<i>Option 2</i>	<i>Option 3</i>
9	Biology	Biology	Biology
10	Chemistry	Chemistry or Physical Science	Physical Science
11	AP Biology	Environmental Science or Physics or AP Biology	Chemistry or Environmental Science
12	Physics		

Course Title: **Physical Science**

Grade Level: 9/10

Prerequisite: None

Credit: 1 Credit

The high school physical science course will continue students' investigations of the physical sciences that began in grades K-8. The course is aligned to the Next Generation Science Standards and will emphasize the broad science topics of Earth & Space, Chemistry and Physics. The course includes the content topics of chemical reactions, structure and properties of matter, forces and interactions, energy, waves, planetary motion, and plate tectonics.

Course Title: **Biology (required)**



Grade Level: 9 - 12

Prerequisite: None

Credit: 1 credit

Topics covered in Biology are aligned with the Michigan Merit Curriculum. The major biological themes include scientific method; chemistry of life; cells; cell energetics; cell division; DNA/RNA and protein synthesis; genetics; evolution; ecology; energy and matter; populations; human body systems; and homeostasis. This class is required for graduation

Course Title: **AP Biology**

Grade Level: 11/12 (10th grade with instructor approval)

Prerequisite: B or better in Biology & Chemistry suggested or instructor approval

Credit: 1 credit

Advanced Placement Biology is a rigorous course designed to be the equivalent of a university-level freshman biology course taken by life-science majors. After demonstrating proficiency (a 3 or better on the spring AP Biology Exam), students may be granted credit by a college or university and be able to take upper-level courses for which a biology/laboratory science course is a prerequisite. This course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal with the rapidly changing science of biology and its impact on society at large. Your scores on Advanced Placement (AP) exams can earn you credit at a college and/or university.

Course Title: **Chemistry**

Grade Level: 10 - 12

Prerequisite: None

Credit: 1 credit



Chemistry is an extensive, traditional study of the interactions between energy and matter utilizing technical reading and writing, and laboratory investigations. Topics include learning and understanding atomic theory, the periodic table, chemical bonding, naming compounds, balancing reactions, gas laws, the mole, and acids/bases. All students are required to earn three science credits aligned with the High School Content Expectations. This class satisfies the Chemistry/Physics graduation requirement.

Course Title: **Environmental Science**

Grade Level: 11/12

Prerequisite: An equivalent of one year of a physical science and one year of a biological science.

Credit: 1 credit

Topics covered in Environmental Science are aligned to the Michigan Merit Curriculum. This class can count as your additional science credit.

The course will:

- Provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world.
- Identify and analyze environmental issues both human caused and naturally occurring and to examine the impact of these problems, and alternative solutions for resolving or preventing them.

Themes:

- Earth Resources ϕEcology
- Populations ϕPollution
- Land and Water Use
- Energy Resources and Consumption
- Global Changes

Course Title: **Physics**

Grade Level: 11/12

Prerequisite: None (Algebra II recommended)

Credit: 1 credit

Physics is a mathematically rigorous science class and students should be highly proficient in algebraic manipulations including exponents, multiple variable equations as well as right angle trigonometry and scientific notation. Physics is an academically demanding class. Course problems require a high level of application and abstract reasoning ability. Laboratory work requires precision and includes analysis, gathering, and interpreting of data. A comprehensive range of physics including motion, forces, energy, waves, optics, and electricity will be covered. All students are required to earn three science credits aligned with the High School Content Expectations. This class satisfies the Chemistry/Physics graduation requirement. Physics can be used as a “senior math experience” if and only if the student has already satisfied the 3-credit graduation requirement in science. If the student is taking physics as part of the 3-credit science requirement, it may NOT be counted as both a science and a math credit.

SOCIAL STUDIES DEPARTMENT



Course Title: **US History & Geography I**

Recommended Grade Level: 9

Prerequisite: None

Credit: 1 credit

US History & Geography I is designed to integrate concepts of geography, economics, and government into the study of history (from Post Civil War Era through World War I) to develop an understanding of the motivations for action and change in the United States. Emphasis will also be placed on the student's ability to compare and evaluate issues of our time. Focus will be on the student's ability to do the following:

1. Show an understanding of historical concepts in American History as well as the role conflicts play in shaping our nation.
2. Understand how to:
 - a. Find historical evidence
 - b. Evaluate the value of historical sources
 - c. Use evidence to draw accurate conclusions
3. Compare and contrast historical events with contemporary America.
4. Form and communicate a reasoned opinion about historical events.
5. Utilize small and large group discussions and activities to explore and resolve conflicts.
6. Communicate an understanding of significant events, concepts, and people in U.S. History.
7. Develop skills in responsibility, accountability, and working with other people.
8. Understand geographical and economic factors that motivate historical action.
9. Geographic knowledge of the United States including the states, major water bodies, major cities, physical features, and ethnic groups.
10. Geographic knowledge of various world regions as encountered in the study of American foreign involvement from Westward Expansion through World War I.

Course Title: **U.S. History & Geography II (required)**

Recommended Grade Level: 10

Prerequisite: U.S. History & Geography I

Credit: 1 credit

U.S. History & Geography II is designed to foster an understanding of the changes in the United States, the motivations for those changes and an understanding of the impact created by those changes. Emphasis will also be placed on the student's ability to compare and evaluate issues of our time and their understanding of the core values of American democracy. Timeframe: Post World War I to Present Day.

Focus will be on the student's ability to do the following:

1. Show an understanding of historical concepts in American History as well as the role conflicts play in shaping our nation.
2. Understand how to:
 - a. Find historical evidence
 - b. Evaluate the value of historical sources
 - c. Use evidence to draw accurate conclusions
3. Compare and contrast historical events with contemporary America.
4. Form and communicate a reasoned opinion about historical events.
5. Utilize small and large group discussions and activities to explore and resolve conflicts.
6. Communicate an understanding of significant events, concepts, and people in U.S. History.
7. Develop skills in responsibility, accountability, and working with other people.
8. Understand geographical and economic factors that motivate historical action.
9. Geographic knowledge of the United States including the states, major water bodies, major cities, physical features, and ethnic groups.
10. Geographic knowledge of various world regions as encountered in the study of American foreign involvement from Post World War I through the Present Day.

Course Title: **World History & Geography (required)**

Grade Level: 10-11

Prerequisite: Recommended after US History & Geography II (or concurrently)

Credit: 1 credit



Students in World History & Geography will learn about the human experience over time and space. They will encounter powerful and sometimes conflicting ideas while learning about people and events in different places and times. They will investigate our diverse and common traditions, and work to understand the complex interactions between various environmental, human, and social forces that influence and continue to influence us. They will investigate global patterns and develop an understanding of human commonalities and differences. Studying World History and Geography connects us to people and events across time and space, illuminating the range and depth of human experience on grand as well as local scales. The focus will be on causes, consequences, human government systems, patterns of interaction among societies, technological and economic changes on people and their cultures.

Course Title: **AP World History**

Grade Level: 10 – 12

Prerequisite: B or better in US History I and English I and Instructor approval

Credit: 1 credit

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and important skills in analyzing types of historical evidence. Students will enjoy the following areas of concentration: early empires and world religions; the first global age; the global impact of western revolutions; the modern era; and evolving identities in a global world. Student should expect homework. Your scores on Advanced Placement (AP) exams can earn you credit at a college and/or university.

Course Title: **Civics (required)**

Grade Level: 11

Prerequisite: U.S. History & Geography I and II

Credit: ½ credit (1st semester course)



A course designed to prepare students to participate as a citizen in the United States. They learn varying types of governments, how a government affects them, how they can influence the government, and what their rights and responsibilities are. Students are taught to

understand the American system and how to function as a free citizen with rights and responsibilities in it. Areas studied are the main foundation of our Government: the Declaration of Independence and the Constitution, the concepts of power and abuse of power, the political process, the divergence of political beliefs, the structure of American government.

Course Title: **Economics (required)**

Grade Level: 11

Prerequisite: U.S. History & Geography I and II

Credit: ½ credit (2nd semester course)



A course designed to help the student understand and live in an economic world. Emphasis will be placed on an understanding of the market economy and the U.S. economic system. Areas studied include taxation, economic systems, supply and demand, micro and macroeconomics, the stock market, economic cycles, economic indicators, and money and banking. Wise use of economics ensures students a sense of security, accomplishment, and allows them to keep their personal freedoms.

Course Title: **Current Issues in America**

Grade Level: 12 (or 11th grade with departmental approval)

Prerequisite: None

Credit: 1 credit

A course designed to examine domestic and worldwide events, trace their causes, explore their effects in the U.S. and throughout the world, and predict future impacts. Students will assess U.S. foreign policy approaches as well as the policies of other nations. Students will demonstrate knowledge and compassion for human and environmental diversity. Students will develop an overall understanding of the interdependence of economic, geographical, historical, and political issues between countries of the world. Focus will be on taking and defending educated stands while displaying understanding of the complexities of global events and relationships.

Course Title: **Psychology**

Grade Level: 12 (or 11th grade only if social studies graduation requirements have been met)

Prerequisite: None

Credit: ½ credit (1st semester course)

Psychology is the study of human behavior. The aim of this course is to help the student gain an understanding of not only the behavior of others, but their own individual behavior as well. Our main psychological focuses will be on learning, cognitive, psychoanalytical, biological, and social psychology. Not only will students be dealing with these areas of psychology, but also looking into and conducting their own research using the scientific method.

Course Title: **Sociology**

Grade Level: 12 (or 11th grade only if social studies graduation requirements have been met)

Prerequisite: None

Credit: ½ credit (1st semester course)

Sociology is the systematic study of human behavior, social relationships, and societies. This course will give the student a “sociological perspective” to use in understanding the connections between their everyday life and their place within society as a whole. The class will learn about and conduct experiments related to interpersonal relationships. We will also focus particularly on various explanations for social inequality in the U.S. Specifically, we will examine how social class, race-ethnicity, gender, age, etc., shape our lives and our social institutions.

PERFORMING, VISUAL AND APPLIED ARTS

Course Title: **Art I: Foundations Art**

Recommended Grade Level: 9 - 12

Prerequisite: None

Credit: 1 credit



This course consists of an in-depth study of drawing using several different drawing techniques with emphasis on giving students the tools they need to create art and become more confident in doing so. The students will learn the basic foundations of elements of art and principles of design and incorporate these concepts into their artwork. He or she will be exposed to the use of art pencils, chalk pastel, oil pastel, acrylic paint, watercolor and multi-media options. Throughout class, we discuss many artists and their techniques to expose students to different artists and their artwork.

Course Title: **Art II: Foundations Continued/Studio Art**

Recommended Grade Level: 10 - 12

Prerequisite: Art I

Credit: 1 credit

This class continues where we left off in Art I with a continuation of study of the elements of art and principles of design. This class gives students an opportunity to expand their drawing skills and work more with color theory application. We use what we learned in Art I to continue to grow in a variety of art techniques and projects. Students work with a variety of media including a more in-depth study with water color, acrylic, and charcoal. Students may also be participating in local contests or other art competitions.

Course Title: **Art III & Art IV: Advanced Studio Art**

Recommended Grade Level: 11/12

Prerequisite: Art I & Art II with Instructor approval

Credit: 1 credit

These two courses are offered to those who (after completing two years of art instruction) desire to continue exploring art more independently. Students must have a B or better in their previous art class or special approval from the instructor to sign up, and must have demonstrated the ability to work independently with a minimum amount of instruction. The focus in this class will be about building a portfolio for possible college pathways, and/or participating in "service-learning" art projects to better the school or community environment. Students will also participate in local contests or other art competitions.

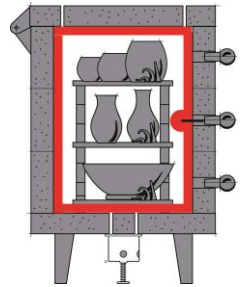
Course Title: **Sculpture and Ceramics I: Foundations of Sculpture**

Grade Level: 10 - 12

Prerequisite: (none) although Art I is Recommended

Credit: 1 credit

This course will consist of creating 3-dimensional projects with a variety of materials. These may include wire, found objects, paper, cardboard, wood, plaster, clay and any other 3D material. Students will learn about artists and the processes involved in creating multiple styles and types of sculpture. There is a focus on studying various "sculpture artists" as we proceed through the year.



Course Title: **Sculpture and Ceramics II, III**

Grade Level: 11/12

Prerequisite: Sculpture and Ceramics I (B or better; III requires teacher approval)

Credit: 1 credit

This course is a continuation of techniques and principles practiced in Sculpture and Ceramics I. First semester will continue with many clay processes with higher expectations including some additive and subtractive methods. Students will have a chance to learn to turn pottery on the potter's wheel second semester. Some independent research on individual artists, important sculptors, and cultures of past and present will be required. Students need to have passed Sculpture I with a B or better, as Sculpture II requires good time management throughout the semester. Sculpture III MUST have teacher approval and signature on forms.

Course Title: **Web Design I**

Grade Level: 9 - 12

Prerequisite: None

Credit: 1 credit

This is a full year course designed to provide students with a solid background in the creation of web pages using HTML and other web page editing software. Students will learn the basics of Internet design by creating business-related web pages. Graphics software will be used to enhance photos and create images to be used on web pages. The class will also teach students the necessary skills for taking advantage of the Internet as a research tool.

Course Title: **Web Publishing**

Grade Level: 9-12 (9th grade must have an A/B average)

Prerequisite: Instructor Approval

Credit: 1 credit

This course involves the production of the high school yearbook. Students who take this class should have good writing and computer skills. Graphic design skills are especially helpful. First year students will be trained in the basics of writing, interviewing skills, sales techniques and layout design. Students will also be required to sell advertisements to help finance production of the yearbook.



COMPUTER EDUCATION DEPARTMENT

Course Title: **Practical Computing**

Grade Level: 9 - 12

Prerequisite: None

Credit: 1 credit

This year long course is designed to provide students with opportunities to use the computer in both personal and business applications. This course is a hands-on project oriented class. Students will use a variety of software, as well as skills in problem solving and cooperative work.

Course Title: **Coding**

Grade Level: 9 -12

Prerequisite: None

Credit: 1 credit

Explore the world of coding and learn how to program a computer. Students will begin with drag-and-drop block code to teach the basics of using a series of logical steps to complete a task. Next they will move into creating graphics and animations using similar tools to build more complicated pictures and interactive video games. Finally, we will switch over to text based code and continue creating and problem solving with it.

WORLD LANGUAGE DEPARTMENT

Course Title: **Spanish I**
Recommended Grade Level: 9 - 12
Prerequisite: None
Credit: 1 credit



This is an introduction to the Spanish language and cultures through speaking, reading, writing, and listening comprehension. Students will learn basic vocabulary and present tense conversation while being exposed to a variety of cultural aspects.

Course Title: **Spanish II**
Recommended Grade Level: 10 - 12
Prerequisite: Spanish I
Credit: 1 credit

Students will expand vocabulary and continue into future and conditional tenses with exposure to both forms of the past tense. Cultural aspects will be expanded upon with emphasis upon those from Mexico.

Course Title: **Spanish III**
Grade Level: 11/12
Prerequisite: Spanish II (C+ or higher)
Credit: 1 credit

Students will increase their familiarity with the language with more emphasis on the grammatical and written skills. More emphasis will be placed on the past tenses while students will be introduced to the subjunctive mood. Projects will add emphasis to areas of cultural and grammatical learning. This is highly independent learning. Students should be prepared to work alone or in small groups.

INDUSTRIAL ARTS DEPARTMENT

Course Title: **Woodworking I**
Grade Level: 9 - 12
Prerequisite: None
Credit: 1 credit



First year students will learn proper safety techniques and processes in working in a wood shop environment. These skills will then be used in developing and producing a few small projects. Students will also gain knowledge on the safe operation of each and every machine and tool in the shop except the table saw and joiners. The students will need to pass the safety test for each machine with a 75% score before using the machine. Students will also gain knowledge in glues, finishes, hardware, joinery, project layout, figuring cost, and other skills used in the shop.

Course Title: **Woodworking II**
Grade Level: 10 -12
Prerequisite: Woodworking I
Credit: 1 credit

In this course students will be given the knowledge which will allow them to operate the table saw and joiners correctly and safely. Students will again need to pass the safety test with a score of 75% or better before they can use the machines. Students will also be required to develop and build a project that has a drawer, a door, or both. Students will also be given the knowledge necessary to building cabinets and other furniture.

Course Title: **Computer Aided Drafting (CAD)**
Grade Level: 9 -12
Prerequisite: None
Credit: 1 credit



Students will use the computer to learn the basics for setting up a drafting page, working with shapes, lines, and other tools to render 2 Dimensional and 3 Dimensional figures. Students will move into orthographic presentation, auxiliary views, sectional views, and other multi-view drawings, focusing on mechanical and geometric drawings.

Course Title: **Integrated Tech**

Grade Level: 9 -12

Prerequisite: None

Credit: 1 credit

This course offers a survey of many different aspects of how computer technology influences the things we see and do in our modern world. From rendering 3D objects with online software (and printing them), to exploring computer graphics for entertainment, to learning how a computer works, or how data can help us see & solve problems we will use modern tools to help us look at our world in a different light and use the design process to make it better.

Course Title: **Robotics**

Grade Level: 9 -12

Prerequisite: None

Credit: 1 credit

Are you a designer, builder, programmer or driver? Or a little of each? Students will develop these skills while using robots to solve a series of challenges. Each challenge will involve the process of working with a team to analyze the problem, plan a solution, design a robot prototype, test it, improve the design, document results and go again. Students will drive their robots remotely, as well as program them to move on their own with the expectation of competing locally against other area schools.



MUSIC DEPARTMENT

Course Title: **Instrumental Music**

Grade Level: 9 -12

Prerequisite: Audition may be required

Credit: 1 credit

This course is offered to students who have demonstrated a high school equivalent level of performance on a wind or percussion instrument. Students will continue to learn skills pursuant to instrumental music. Students will be expected to perform in concerts, marching band, concert band, pep band, festivals, etc.

Course Title: **Jazz Band**
Grade Level: 9 -12
Prerequisite: Audition may be required
Credit: 1 credit



This course is offered to students enrolled in the **concert band that desire to learn history, theory, improvisation**, and performance of many different styles of music. Students will perform in concerts, community functions, competitions, etc.

Course Title: **Audio/Video Production**
Grade Level: 10 -12
Prerequisite: Instructor Approval / Enrollment limited to number of workstations
Credit: 1 credit

Students learn the basics regarding use of: theories of and applications of sound and acoustics, audio and video production as it relates to music technology (ei: recording software, mixing boards, audio editing & video editing). Focus will be on knowledge of equipment, use and care of equipment, theories of sound principals, audio & video production, extensive computer use and application of skills in the field. (examples: recording of public concerts, digital recording, public address systems, taping and editing, sound studio work, extensive computer use). Software will include: video editing, audio editing, sequencing & digital recording.

Course Title: **Choral Music**
Grade Level: 9 -12
Prerequisite: Desire to learn in a choir, sight-read, and study vocal technique
Credit: 1 credit



This is a non-audition choir for students with the desire to learn to sing at a high school level. Students will learn vocal technique, music theory, and sight reading. Singers are expected to rehearse music at home and submit voice recordings showing their progress. Though performing outfits are provided, singers need to provide their own black dress shoes. Singers are required to perform in several concerts, competitions, and festivals, both within and outside the school day. Some evening or weekend rehearsals may also be required.

Course Title: **Choral Fusion**

Grade Level: 9 - 12

Prerequisite: Audition, sight-reading at H.S. level, theory test

Credit: 1 credit

Choral Fusion is offered to 10-12 singers who are enrolled in H.S. choir or band and can show that they are dependable. Singers who are not enrolled in choir or band need to show that it won't fit in their schedule due to CTC or early college. The focus of this course is on performance of small group a cappella genres such as madrigals, vocal jazz, and a cappella pop music. Singers will further their studies in music theory, ear training, and vocal techniques. Because of the nature and size of this group, singers must attend every concert both within and outside the school day. There are also monthly rehearsals outside of the school day. Singers are expected to practice music at home.

PHYSICAL EDUCATION DEPARTMENT

Course Title: **Physical Education**

Grade Level: 9

Prerequisite: None

Credit: ½ credit (semester course) **required**



This course encourages the achievement and maintenance of a high level of physical, mental, and social well-being. Each student, through sports (individual and team), lead-up games, and calisthenics, will maintain and develop the main areas in physical education. These areas are physical fitness, psychological, social, emotional, and cognitive development. The PE class will include units of golf, flag football, volleyball, basketball, racquet sports, track and field, and an introduction to weight training. All units and areas of instruction will be presented to encourage the students to be physically fit and active for a lifetime.

Course Title: **Health (required)**

Grade Level: 9 (required for freshmen)

Prerequisite: None

Credit: ½ credit (semester course) **required**



The goal of the health course is to provide health information in such a way that it influences the students to take positive action regarding their health throughout their lives. During the first half of the semester, the units of study are “Health and Wellness,” with an emphasis on physical health, which includes strength training concepts and nutrition, and social health. “Mental Health” is the second unit studied, with an emphasis on self-concept and building self-confidence. The third unit focuses on substance abuse and includes lessons relating to the risks involved with the use of tobacco, alcohol and marijuana.

During the second half of the semester, the unit of study is sex education, which is based on the theme of abstinence from sexual activity until marriage. Its lessons include the anatomy and physiology of the male and female reproductive systems, including discussions of fertility, pregnancy and birth. Three Michigan laws are also discussed during these lessons – “Criminal Sexual Conduct,” “Males and Babies and Michigan Law,” and “Safe Delivery of Newborns Law.” A general study of infectious diseases is used as an introduction to the lessons dealing with sexually transmitted diseases. These lessons include the study of pathogens, methods of transmission, symptoms and treatments related to the following sexually transmitted diseases – HIV/AIDS, gonorrhea, chlamydia, syphilis, genital herpes (HSV-2), and genital warts (HPV). There are also discussions concerning the limited effectiveness of condoms in preventing an unplanned pregnancy and their limited effectiveness in protecting against acquiring a sexually transmitted disease.

“A student, upon the written statement of parent or guardian that this instruction (sex education) is in conflict with his or her sincerely held beliefs, shall be excused from attending this class and no penalties to credit or graduation shall result there from.” (Section 380.1170 of P.A. 451 of 1976 of General School Laws.) Instead, the student will be enrolled in an independent health study. The content for this course includes personal fitness and the respiratory, circulatory and skeletal systems, etc. Methods of assessment include written quizzes and tests, homework assignments, class participation, teamwork skills in cooperative learning groups, a semester notebook, etc.

Course Title: **Body Mechanics**

Grade Level: 10 -12

Prerequisite: 2nd year students must have instructor approval

Credit: 1 credit

This course is for motivated students who wish to gain strength, endurance, speed, power, agility, coordination, and flexibility through various weight lifting and plyometric exercises. Students will be evaluated by their physical

performance, written tests, and daily production points. This class will push students to do their best in order to reach their potential in muscle strength and cardiovascular endurance.



OTHER ELECTIVES

Course Title: **Academic Center Seminar**

Grade Level: 9-12

Prerequisite: None

Credit: .25 credit

Academic Center is an assigned class based on high school grade that is comprehensive in its structure to address instructional and informational needs for students based on academic grade. Topics of instruction include College Board test preparation, college applications and scholarships, resume' building and interview preparation, Habitudes SEL education, and career exploration. Instruction type is based on grade and individual class needs.

Course Title: **Wilderness Leadership**

Grade Level: 11/12

Prerequisites:

- Completion of three required science credits; (Biology, Physics, and or Chemistry, and one other science credit (Physical Science, Environmental Science, or AP Biology)

- Parent or guardian signature and pre-approval by teacher

- Completion or course enrollment essay

Credit: 1 credit (Wilderness Leadership is an elective course and does NOT receive science credit.)



This is a leadership course in which students will be expected to immerse themselves in the curriculum and

content. Mental focus, strenuous physical activity, participation in weekend expeditions, participation in fundraising, and a service-learning project will be expected.

The Wilderness Leadership course is based on the Experiential Learning Model:

1)Activity→ 2)Reflect→ 3)Apply

Membership in the 4-H Outdoor Adventure Challenge program is a requirement of the course. We will be participating in 4-H Challenge sponsored activities and using 4-H Challenge equipment during the course of the school year (climbing ropes and harnesses, canoe and paddles, snowshoes, backpacks, sleds, life jackets, etc.)

Course Title: **Senior Project**

Grade Level: 12

Prerequisites: Must be enrolled in or have completed an AP course in the subject area.

Credit: .5 credit per semester (Senior Project is an elective course)

Student Responsibilities:

- Take detailed notes for the class they are assigned to and keep them in a notebook.
- Each day, work with individual students that are struggling. This will be in the classroom during class time. These students will be assigned to the senior by the instructor. The senior is responsible for guiding the assigned student(s) with problems they might be having. They will not tell the student how to do the work, but they will ask questions to help the student gain in needed knowledge.
- Keep a daily journal detailing who they helped and what topics were covered. Also include any strategies they used to help the student.
- Senior will be responsible for getting absent students caught up with missing information and assignments when they return to school.

DUAL ENROLL – Northwestern Michigan College Campus

There are several classes available. Student must be enrolled in the fall course by the end of the previous academic school year. Student must have a 3.3 cumulative GPA to apply to NMC. See your counselor for details. <https://www.nmc.edu/programs/course-descriptions/index.html>

EARLY COLLEGE – TBA CTC & NMC

Several CTC programs are available for the Early College program, which allow students to earn up to 60 college credits and a 5th year of high school. See your counselor for details.

ONLINE COURSES

There are several classes available. See your counselor for details.

<https://www.edgenuity.com/online-courses/>

<https://michiganvirtual.org/courses/>

TBAISD CAREER-TECH CENTER

Agriscience & Natural Resources
Allied Health
Auto Body Repair
Automotive Technology
Business Careers
Construction Trades
Culinary Arts
Drafting & Design Online
Early Childhood Education
Electrical Occupations
Film and New Media
Front Street Writers
Graphic Arts
Graphic Design & Promotional Media
Information Technology
Manufacturing Technology Academy
Mechatronics
Power Equipment Technology
Precision Machining Technology
Public Safety/Protective Services
Teacher Academy
Web & Game Programming
Welding & Fabrication