

FAIRPORT MIDDLE SCHOOL ELECTIVES COURSE OF STUDY

(subject to change each academic year)

ART - Middle School art students will develop critical and creative thinking skills as they explore the use of art and design elements and principles. They will discover how to use these elements and principles to produce visual effects and create meaning. Students will practice their presentation skills by improving their effort and craftsmanship using a variety of art tools and materials.

APPLIED ARTS- Applied Arts is a course that is designed to teach students the basics of theater and film. Students will experience and explore what happens behind the scenes of theater and film productions including writing, directing, and acting techniques. Students will view different stage productions and film sin this course in order for them to have the opportunity to apply what they have earned to what they view on a daily basis. All who are involved in this class will not only perform scenes from plays and films, but will also get the chance to write, direct, and act in their own productions.

BALLET- This is a beginning ballet class that introduces students to basic movement vocabulary and French terminology. Attention is paid to proper body alignment, use of legs and feet, and development of movement sequences through the coordination of the arms and head. Classes will follow a traditional ballet class format, beginning at the barre and then continuing with center exercises. An introduction to choreographic elements will be taught through direct instruction and video study of professional performances. Students will choreograph their own dances using varied choreographic elements and movement patterns based on ballet terminology.

CONCERT BAND - This class picks up where Marching Band leaves off, and continues students' development in reading and playing music. Students will play a varied repertoire of fun and challenging music, and we will perform two concerts (one in March & one in May), as well as the graduation ceremony at the end of the year.

CREATIVE WRITING - The student is introduced to methods of creative writing. Various writing projects including poetry and prose are required. Students are urged to write about a variety of topics using writing prompts as a point of divergence. Story starters are used to practice basics for writing portion of the Ohio Achievement Tests.

DRAMA (extracurricular) - The course begins with practice in posture, voice control, pantomime, improvisation, and characterization. The theory portion of the class includes the structure, styles and history of drama. Drama offers experience in all phases of play production, including student-selected scenes that are presented to the class. Student awareness of theater activity is encouraged through reports of script writing, development of literary devices such as characterization, symbolism, irony, tone and plot. Students prepare a one act with a production team.

ELECTRONIC MUSIC - Students learn to create music using computers. You can create melodies using music keyboards, record vocals or even live instruments, mix and loop samples together, and much more. Create professional-sounding songs just with your computer! No musical experience required.

GLOBAL PERSPECTIVES- Students will be exposed to many different topics and viewpoints in their personal lives, in our own country, and those around the world. There are many different ways of life around the world; the way people do things and why they do them will be investigated. Individual, partner, and group work will all be a part of the class as students will frequently be asked to share their opinions and takeaways on a variety of topics. All of this will be done in an effort to further develop students' own perspectives as well as understand those of people outside their own community, country, and culture

INTERMEDIATE BAND - Ideally for students who took Beginning Band in 5th grade, this class will continue students' musical instruction and introduce new, advanced skills and concepts. Students will learn to read more difficult music and play more difficult passages on their instruments. This class is required for students who want to be in Marching Band.

INTRODUCTION TO SPANISH - Expose middle school students to Spanish through simple vocabulary and phrases as well as investigations of different Spanish-Speaking regions of the world. Introduction to Spanish is a pre-beginner class that will give everyone a head-start for High School Spanish. Students learn to introduce themselves with basic descriptions, talk about what they like or don't like, numbers in Spanish, colors, and also the culture of several different Spanish-Speaking areas.

MARCHING BAND - Marching Band is a high profile, intensive class that gives students the opportunity to create music and make visual patterns on the football field at the same time. We perform at all football games, the Mardi Gras parade, and other events throughout the Fairport community. Starting in November, students practice indoors and prepare for a holiday concert in December. Students must have taken Beginning Band and Intermediate Band and made sufficient progress on their instrument. Students must attend Marching Band Camp in early August and all required events throughout the semester.

PHYSICAL EDUCATION – The physical education class for the middle school emphasizes team and team building as well as individual skill acquisition. Team sports such as basketball and volleyball are taught and practice as well as the skills necessary to become a better athlete and participant.

ROBOTICS- Students in robotics is a project based class that emphasizes independent thinking, inquiry, and application based skills to overcome a variety of different coding based challenges. Utilising the LEGO EV3 for Education coding platform, students will learn the basics of a robotics software language while completing their coursework. As an entry level STEM course, we also research the technology fields and study workplace skills necessary to succeed in a future STEM career.

SCHOOL NEWSPAPER - Keep your fingers on the pulse of Harding High, Fairport Harbor, and the world through our school newspaper, the Harding Herald. Students design, create, and publish through

collaborative communication and keep our school informed and in-the-know, from sports and club updates to fashion tips and breaking news stories.

SCIENCE FICTION- This course focuses on the junction between what people think and write about science, and what science actually is. Students will be exposed to a wide variety of media in the genre of science fiction, delving into the historical and scientific contexts of the work. At the end, the students will have written a full science fiction story of their own.

STRENGTH/CONDITIONING - This course will begin with an introduction to the benefits of strength training. Afterwards, students will learn the proper mechanics of basic athletic movements, including squats, jumps, and pushups. Once students master these basic movements, students will progress to learn how to utilize resistance and weight training in order to gain muscle, improve speed, and promote a healthy and fit lifestyle. Students will also learn the importance of proper "spotting" techniques.

YOGA - Yoga is a practice that promotes physical, mental and emotional well being. Students are taught breathing techniques and physical postures as they learn to link breath with movement. A variety of meditation and creative visualization exercises are used to help calm and focus the mind. Each week students will explore a new theme through discussion, sequences of movements and games.

FAIRPORT HARDING HIGH COURSE OF STUDY

ENGLISH DEPARTMENT

ENG111 ENGLISH 1 (1 credit)

This course provides a foundation for all students to learn the techniques of analyzing literature in long form (novels and plays) as well as the specifics of expository writing. They will use those lessons in reading and writing across the curriculum throughout their high school careers. Literary genres include short story, novel, poetry, drama, and non-fiction. The course will focus on close reading and analysis of literature, as well as the study of how various literary elements and techniques function within a text.

ENG121 ENGLISH 2 (1 credit)

This course will explore American literature from the Puritan era to Post-Modernism, paying specific attention to the history of the periods and the influences of race, class, and gender on society. This course, through the analysis of each work, will study history through literature. Texts will include the novel, drama, non-fiction, poetry, and short story.

ENG131 ENGLISH 3 (1 credit)

This course will explore English literature from Beowulf to the Victorian Era, paying specific attention to the culture of England and its influence on the rest of the world. The course will critically read and analyze works of the time periods and genres that have classified English literature as one of the most authentic ways to study the history of Britain. Texts will range from the epic to the drama.

ENG141 ENGLISH 4 (1 credit)

English 4 is intended to serve college and workplace bound students. It will assist with college/workplace applications and essays. Through a combination of various selections and forms of literature, students will explore and enhance their technical, research based, analytical and personal writing. Various research based activities will be structures around elements of rhetoric, philosophy, modern and historical writings and current issues.

MATHEMATICS DEPARTMENT

ALG113 ALGEBRA 1 (1 credit)

Core Connections Algebra aims to deepen and extend student understanding built in previous courses by focusing on developing fluency with solving linear equations and inequalities and systems; extending these skills to solving quadratic and exponential functions; exploring functions, including sequences, graphically, numerically, symbolically and verbally; and using regression techniques to analyze the fit of models to distributions of data.

On a daily basis, students in Core Connections Algebra use problem solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking. Students learn in collaboration with others, sharing information, expertise, and ideas.

The course is well balanced between procedural fluency (algorithms and basic skills), deep conceptual understanding, strategic competence (problem solving), and adaptive reasoning (extension and transference). The lessons in the course meet all of the content standards of Appendix A of the Common Core State Standards for Mathematics. The course imbeds the CCSS Standards for Mathematical Practice as an integral part of the lessons in the course.

GEM114 GEOMETRY (1credit)

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

On a daily basis, students in Core Connections Geometry use problem solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking. Students learn in collaboration with others, sharing information, expertise, and ideas.

The course is well balanced between procedural fluency (algorithms and basic skills), deep conceptual understanding, strategic competence (problem solving), and adaptive reasoning (extension and transference). The lessons in the course meet all of the content standards, including the advanced “plus” standards, of Appendix A of the *Common Core State Standards for Mathematics*. The course imbeds the CCSS Standards for Mathematical Practice as an integral part of the lessons in the course.

ALG114 ALGEBRA 2 (1 credit)

Core Connections Algebra 2 aims to apply and extend what students have learned in previous courses by focusing on finding connections between multiple representations of functions, transformations of

different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions.

On a daily basis, students in *Core Connections Algebra 2* use problem solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking. Students learn in collaboration with others, sharing information, expertise, and ideas.

The course is well balanced between procedural fluency (algorithms and basic skills), deep conceptual understanding, strategic competence (problem solving), and adaptive reasoning (extension and transference). The lessons in the course meet all of the content standards, including the advanced “plus” standards, of Appendix A of the *Common Core State Standards for Mathematics*. The course imbeds the CCSS Standards for Mathematical Practice as an integral part of the lessons in the course.

MTH444 ADVANCED MATH (1 credit)

Prerequisite: Students who have successfully completed with a C or better Algebra II.

Special Equipment: Graphing Calculator

This course focuses on a review of algebra and geometry and then an extension of these topics as needed to prepare for a credit earning college math course. This pre-calculus course surveys many types of functions and mathematical structures needed for advanced study in calculus and beyond.

SCIENCE DEPARTMENT

PSI124 PHYSICAL SCIENCE (1 credit)

Physical science introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. Physical science comprises the systematic study of the physical world as it relates to fundamental concepts about matter, energy and motion. A unified understanding of phenomena in physical, living, Earth and space systems is the culmination of all previously learned concepts related to chemistry, physics, and Earth and space science, along with historical perspective and mathematical reasoning.

BIO114 BIOLOGY (1 credit)

This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

CHM113 CHEMISTRY (1 credit)

Special Equipment: Scientific calculator

This course introduces students to key concepts and theories that provide a foundation for further study in other sciences as well as advanced science disciplines. Chemistry comprises a systematic study of the predictive physical interactions of matter and subsequent events that occur in the natural world. The study of matter through the exploration of classification, its structure and its interactions is how this course is organized. Laboratory investigations are used to understand and explain the behavior of matter in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. An understanding of leading theories and how they have informed current knowledge prepares students with higher order cognitive capabilities of evaluation, prediction and application.

Phy115 PHYSICS (1 credit)

Prerequisite: "C" or better in Algebra 2, Geometry and college math.

Special Equipment: Scientific calculator.

A laboratory/lecture approach is used to teach a theoretical and mathematical introduction to the physical laws and theories which attempt to explain natural physical phenomena. The student should have good math skills or be willing to work to develop them and should be prepared to use these skills in class work, homework, and laboratory reports. The student should be proficient at solving word problems or be willing to work to become proficient at solving them by using algebraic formulas that will be derived from simple graphs developed from laboratory investigations.

FOREIGN LANGUAGE DEPARTMENT

SPA111 SPANISH 1 (1 credit)

The Spanish 1 class is an introduction to the Spanish language and culture. It is designed to give students the basic foundation of the four language skills: listening, reading, writing and speaking. The students develop a fundamental vocabulary base as well as the building blocks of basic grammar concepts in order to communicate in a variety of settings.

SPA112 SPANISH 2 (1 credit)

In this course students will build on the four language skills of listening, reading, writing and speaking at an intermediate level. Grammar concepts are learned in order to communicate more clearly. Students read stories and narratives as well as present situational conversations. There is more stress on the creative aspect of writing and speaking. Students are exposed to the culture of the Spanish-speaking community.

SPA113 SPANISH 3 (1 credit)

This course is considered to be an upper level course. It contains a review of grammar, vocabulary and expressions from levels 1 and 2 with the addition of more advanced vocabulary and grammar. Oral and listening skill will be more fully developed and students will learn to speak about his or her interests and activities in espanol. Students read dialogues, simple stories and narratives. Students are exposed to the culture, geography and history of a variety of Spanish-speaking countries. Students will learn to use the language in speaking and writing at the intermediate level of proficiency.

SPA114 SPANISH 4 (1 credit)

This course is designed to include a thorough review of grammar and the study of advanced grammatical syntax. Vocabulary building is at a more advanced level. The students will use the language to study the history, the people and the culture of the Spanish-speaking world. Students continue to improve their skills in listening comprehension as well as speaking and writing proficiency. Creative writing and discussions are in Spanish.

SOCIAL STUDIES DEPARTMENT

WHI112 WORLD HISTORY (1 credit)

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence.

AMH113 AMERICAN HISTORY (1 credit)

This course will begin with a review of prior learning in American History, including an analysis of the Declaration of Independence, Northwest Ordinance, US Constitution, and the Bill of Rights. This section also includes a brief review of the American Civil War and Reconstruction. Afterwards, this course will examine in detail America's Industrial Age, focusing on its social, political, and economic effects, including the Labor Union and Progressive Movements. Next, students will study the development of the United States as a world power, concentrating on world trade and territorial expansion and its effects on Americans and foreigners alike. This course will then move to examine the causes and consequences of The Great War and the Interwar Years, including the "Roaring Twenties" and The Great Depression. From there, students will study the causes and consequences of World War Two. Students will conclude the course by studying foreign and domestic policy during the Cold War Era, including the Civil Rights Movement. This class is tailored to students to encourage critical thinking, research and writing, geography, economics, rights and responsibilities, and other social studies skills.

GVT400 GOVERNMENT/ECONOMICS (1 credit)

This course will begin by concentrating on government and economic systems and their interaction with one another, with an emphasis on the Internal Revenue Service and the Federal Reserve System. Afterwards, students will explore and analyze the US Constitution and its key principles, including federalism, separation of powers, and checks & balances. Students will then study the ratification of the Bill of Rights and the rest of the Constitutional Amendments. Students will also explore political science and the political processes, including campaigns, elections, and the Electoral College. Students will also research the basic structure of the federal and state governments, with an emphasis on Ohio, Lake County, and Fairport Harbor Village, with details on how each system functions. Students will examine an in-depth study of the Legislative, Executive, and Judicial branches of government, including the purposes and responsibilities of each branch and the checks and balances between the three. Students will conclude the course by analyzing the roles of interest groups, the media, and the federal bureaucracy. This class is tailored to students to encourage critical thinking, research and writing, geography, economics, individual rights and responsibilities, citizenship, and other social studies skills.

FMR111 FINANCIAL LITERACY (1 credit)-NEED TO COMBINE WITH GOVERNMENT

Students will begin by studying macroeconomic systems with a specific focus on capitalism and the relationship between supply and demand. Students will also study the relationship between governments and economies, with a focus on fiscal and monetary policy in the United States. Students will then study microeconomics and the relationship of income level to supply and demand in the market along with the roles of people in the economy. Students will conclude the course with a close study of personal financing, including the consequences of choices affecting budgets, savings, credit, debt, philanthropy, loans, investments, and the effects of interest rates on savers and borrowers. This class is tailored to students to encourage critical thinking, research and writing, geography, economics, individual rights and responsibilities, citizenship, and other social studies skills.

ELECTIVES

(courses may not be available every year)

ART115 ART APPRECIATION (1 credit)

High School students will explore various methods of art criticism as they respond to a variety of famous artists/styles. They will learn to use appropriate vocabulary to define and describe techniques and materials used to create works of art. Students will also recognize and articulate the importance of lifelong involvement and advocacy in the arts.

Art (1 credit)

High School students will identify and describe the sources artists use for visual reference and to generate ideas for artworks. Students will also demonstrate technical skill and craftsmanship with various art media when creating images from observation, memory and imagination. Students will also expand the use of arts-specific vocabulary to define and describe techniques and materials used to create works of art.

CHR115 CHOIR (1 credit)

CURRENT EVENTS

The course emphasizes the historical causes of current world and domestic problems. Topics include: social, political, economic, racial, and ecological disputes. Newspapers and periodicals make up the required reading. Students will implement the internet and view daily news shows.

FITNESS AND NUTRITION

This course offers a well balanced combination of nutrition and physical fitness information. Students will investigate the interrelationship of food, nutrition and wellness to promote good health.

HISTORY IN FILM

This course is an elective that explores history through the eyes of Hollywood. Films will be watched and compared with the actual historical events that they claim to portray. A critical analysis will be made through discussion to ascertain whether the directors and producers of the individual films chose to stick with the actual historical events or if they took artistic liberties to advance their story.

HIS106 HISTORY OF AMERICAN CRIME (1 credit)

This is an elective that will examine historical crimes in the United States through the use of video presentation and research. Topics may include political crimes and assassinations, the history of organized crime and the criminal justice system.

SPY116 HUMAN BEHAVIOR (1credit)

The course is an introduction to the scientific study of human behavior. The following areas are discussed: memory, motivation, sleep and dreams, learning theory and behavior modification, perception, personality testing, stress and the life cycle.

POP200 POP CULTURE (1 credit)

Pop Culture is a semester-long elective course in the field of social studies. The focus is on how pop culture has affected and even contributed to American History. Music, literature, television, film, and leisure activities will be the focus of the content. Sample Units in the class include how music affected the Vietnam War and the era of protest, how television does or does not mirror real life, and how accurate are movies "based on true events." The Ohio People in Societies Standard is a focus as well as the Ohio Social Studies Methods and Skills Standards.

SK100 SKILLS FOR COLLEGE SUCCESS (1 credit)

This course is designed for students who intend to attend a college or university following high school. The focus will be on strategies for taking the ACT, researching career options, exploring colleges and universities, and skills important for success in the college classroom.

SPH200 SPORTS HISTORY (1 credit)

Sports history is a semester-long elective course in the field of social studies. The focus is on the history of sports and how they have affected the way of life of American citizens throughout American history. Sample units within the class include discrimination and the African American struggle for equality in sports and how it mirrored the civil rights struggle in the United States, rivalries in sports and how they mirror rivalries on the world stage, and the history of the major sports in the United States including football, baseball, and basketball. The Ohio People in Societies Standard is a focus as well as the Ohio Social Studies Methods and Skills Standard.

ROBOT 1 ROBOT DESIGN & CONSTRUCTION (1 credit)

This is a 100% hands on project based course. Students will construct and program Lego robots to perform various tasks including, recognizing color, removing obstacles, retrieving and delivering objects, etc. We will use the Lego Mindstorm EV3 kit and perform various activities as directed by the kit manual and "Classroom Activities for the Busy Teacher: EV3" by Damien Kee.

CAD 1 3D DESIGN & PRINTING (1 credit)

This course is project based where students will design, print, paint, construct and test fishing lures and other objects. Students will become familiar with and utilize Solid Works 3D design software to construct and modify their fishing lure designs then print them on the Maker Gear 3D printer. Students will then paint using various colors and construct then test their designs. They next will modify designs based on tests/feedback and improve upon their designs.

READING DEPARTMENT

RDG100 READING 1 (1 credit)

Basic skills in reading are taught to improve reading comprehension and vocabulary skills through individualized instruction. This course will build upon the students reading + successes from Middle School. It is designed for those students who prefer reading over a foreign language.

RDG200 READING 2 (1 credit)

Basic reading skills will be enhanced to improve reading comprehension and vocabulary skills through individualized instruction. This course will complete the 2nd credit for graduation requirements for reading or foreign language.