

HUSTISFORD HIGH SCHOOL



COURSE DESCRIPTION BOOKLET 2022 – 2023

(Updated 4/20/22)

AGRICULTURE

ANIMAL SCIENCE

Grades 9-12 1/2 Credit One Semester
Dual Credit option available
Course Fee: \$5

Students will learn about the many sciences involved in raising domestic animals. Topics include animal handling, digestion, nutrition, genetics, reproduction, and animal rights/welfare. Class will include many projects and labs related to animal agriculture. Students may take Animal Science and Animal Production in the same year to earn Dual Credit through Lakeshore Technical College.

ANIMAL PRODUCTION

Grades 9-12 1/2 Credit One Semester
Dual Credit option available
Course Fee: \$10

This course will focus on livestock species in production agriculture, as well as companion animals and aquatic animals. Students will learn about the overall care and management, as well as breed specific characteristics of species* including dairy, beef, swine, poultry, cats, dogs, horses, fish, wildlife, bees, and more. (*species subject to change) Students may take Animal Science and Animal Production in the same year to earn Dual Credit through Lakeshore Technical College.

VETERINARY SCIENCE

Grades 10-12 1/2 Credit One Semester
Course Fee: \$5

This class will focus on topics related to careers in animal health. Students will learn through hands on projects and labs. Topics will include safety and sanitation, physical exams, medical terminology, skeletal anatomy, injections, medications, bandaging, and office management.

DAIRY SCIENCE

Grades 11-12 1/2 credit One Semester

This class will focus on the regional dairy industry. Students will investigate the local dairy economy, as well as discover calf management techniques, dry cow management, mammary physiology, milking parlor variations, production and herd record keeping, as well as dairy product processing and marketing.

PLANT SCIENCE

Grades 9-12 1/2 Credit One Semester
Course Fee: \$10

Students will gain an understanding of plant growth and uses of plants. The class will include projects and labs on plant anatomy, growing media, fertilizer, plant/weed identification, floral design, landscaping, crops & soils, and more.

FOOD SCIENCE

Grades 9-12 1/2 Credit One Semester
Course Fee: \$30

This course will explore the science and origin of students' favorite foods. Food Science will include hands-on labs and activities related to production, processing, marketing, and chemistry of a variety of foods. Students will examine basic aspects of food manufacturing

such as: consumer acceptability, food composition, food preservation, product analysis, processing methods, economics, nutritional quality, labeling, regulations, and safety.

WISCONSIN AG COMMODITIES

Grades 9-12 1/2 Credit One Semester
Course Fee: \$10

This course is designed for students curious about Wisconsin Agriculture. Students will gain an understanding of Wisconsin's economic impact from the state's top AG commodities including dairy, corn, soybeans, Christmas trees, potatoes, cranberries, mink, and more. The class will focus on the economic impacts, as well as production, marketing, and consumption. Students will investigate the production process, the numbers as they relate to Wisconsin's economy, and indulge in some of Wisconsin's tastiest local food products.

BUSINESS EDUCATION

PERSONAL FINANCE

Grades 10-12 1/2 Credit One Semester
Required Class

This course will help students learn to manage their money now and in the future. Topics covered will include budgeting, banking, checking accounts, savings, investing, credit, setting financial goals, and insurance.

HIGH SCHOOL CAREERS

Grades 9 - 12 1/2 Credit One Semester
Required class

High School Careers engages students in an interactive learning process, helping them develop the knowledge, skills, and attitudes needed to successfully examine their own lives, explore and evaluate a wide range of education and career options, and make reasoned and researched goals for their future. This academically-integrated curriculum is relevant and rigorous. Career search topics will be introduced: job shadows, career outlines, personal skills at the workplace, traditional, and non-traditional job search tools for finding a career sustaining job after high school.

INTRO TO COMPUTER PROGRAMMING

Grades 9-12 1/2 Credit One Semester

This introductory Coding course presents the basic principles of programming, including algorithms and logic. Students will engage in various programming interactivities that will reinforce their learning and understanding. This course also guides students as they are asked to write and test their own code, just as programmers in the field do. The topics of the hands-on projects include: HTML Website Analysis, JavaScript, and Python.

INTRO TO GAME DESIGN

Grades 9-12 1/2 Credit One Semester

This course is an introduction to the fundamental techniques, concepts, and vocabulary of game design. Students will design original non-digital prototypes and games, using iteration and playtesting best practices. Topics include formal elements of

games, mechanics and dynamics, decision making, flow states and player psychology, the MDA Framework, the iterative process, and rapid prototyping.

INTRO TO WEB PAGE DESIGN

Grades 9-12 1/2 Credit One Semester

This course will focus on the concepts of web page design. Students will learn how internet projects are performed and relate to daily lives. Students will develop problem solving skills to work through web site projects.

INTRO TO BUSINESS

Grades 9-12 1/2 Credit One Semester

Introduction to Business will give students fundamental knowledge about the key aspects of business, and an overview of the different functional areas of business enterprises both public and private. Students will learn about career opportunities and the basic functions of the free enterprise system.

Students can expect the following types of activities in class, including but not limited to: Reading, researching, taking notes based on lectures, working in groups, working individually, using computer applications such as word processing, spreadsheet, and presentation software, in a MS Windows/Google Classroom environment, taking tests and completing a variety of classroom projects on class concepts.

MARKETING MANAGEMENT

Grades 9-12 1/2 Credit One Semester

Management will focus on basic marketing concepts, the role of promoting and the role of marketing in our society. Topics include marketing segmentation, product development, promotion, distribution, and pricing. Each unit of study will focus on integrative topics: economics, politics, government, market research, and a scope of international marketing throughout the world. This will focus on the relevance to cultural diversity, ethics, and the impact of technology.

ENTREPRENEUR AND SMALL BUSINESS MANAGEMENT

Grades 9-12 1/2 credit One Semester

The course introduces the fundamentals of small business startup and growth. Topics include development of business concept strategic planning, marketing, financing, and the importance of cash flow in the business.

Students will also be exposed to functional operations of a business such as the basics to accounting, planning for major expenditures, organizational structures, personnel management, social responsibilities, creating a business plan, employee management and the costs/benefits of using debt.

ENGLISH

ENGLISH 9

Grade 9 1 Credit One Year

Students will learn to use basic grammar, punctuation, spelling, and vocabulary. Students will learn writing skills including complete

sentences, paragraph development, short essays, and research papers. Literature will also be studied with an emphasis on short stories, poetry, drama, and novels. Speech and study skills will be stressed through daily assignments.

HONORS ENGLISH 9

Grade 9 1 Credit One Year
Prerequisite: Instructor Approval

This class is designed to be more challenging and rigorous. More difficult assignments will be assigned, with select assignments being independently completed. Students will refine their use of grammar, punctuation, spelling, and vocabulary. Students will learn writing skills including complete sentences, paragraph development, short essays, and research papers using correct MLA documentation. Students will gain an understanding of the different types of writing. Literature will also be studied with an emphasis on short stories, poetry, drama, and novels.

ENGLISH 10

Grade 10 1 Credit One Year

English 10 is an integrated approach to reading, writing, listening, and speaking curriculum based on the Wisconsin State Standards in English and Language Arts. This course is a balanced, comprehensive program that develops skills in reading and writing, speaking and listening and fosters the appreciation of language arts. Students will refine their use of grammar, punctuation, spelling, and vocabulary. Students will continue to apply the knowledge and skills acquired in English 9, but in a more refined and sophisticated form.

HONORS ENGLISH 10

Grade 10 1 Credit One Year
Prerequisite: Instructor Approval

This class is designed to be more challenging and rigorous. More difficult assignments will be assigned, with select assignments being independently completed. English 10 is an integrated approach to reading, writing, listening, and speaking curriculum based on the Wisconsin State Standards in English and Language Arts. This course is a balanced, comprehensive program that develops skills in reading and writing, speaking and listening and fosters the appreciation of language arts. Students will refine their use of grammar, punctuation, spelling, and vocabulary. Students will continue to apply the knowledge and skills acquired in English 9, but in a more refined and sophisticated form.

ENGLISH 11

Grade 11 1 Credit One Year

Using the Wisconsin State Standards in English and Language Arts, this course explores different reading and writing topics throughout the year. This will include grammar review, vocabulary development, ACT essay practice, college essay writing, and other various writing exercises. Literature selections are focused on refining critical thinking skills while exploring different genres in classic literature. Writing exercises and literature selections will prepare students for other upper level English electives and senior level composition courses.

HONORS ENGLISH 11

Grade 11 1 Credit One Year

This class is designed to be more challenging and rigorous. More difficult assignments will be assigned, with select assignments being independently completed. Using the Wisconsin State Standards in English and Language Arts, this course explores different reading and writing topics throughout the year. This will include grammar review, vocabulary development, ACT essay practice, college essay writing, and other various writing exercises. Literature selections are focused on refining critical thinking skills while exploring different genres in classic literature. Writing exercises and literature selections will prepare students for other upper level English electives and senior level composition courses.

ADVANCED COMPOSITION

Grade 12 ½ Credit One Semester

This course is designed for students who plan to attend a university or technical college. Writing will include many different types of short essays. One major research paper, using correct MLA documentation, will be required. Two novels will be discussed.

COMPOSITION 12

Grade 12 ½ Credit One Semester

This course will help to strengthen the communication skills of our Seniors as they prepare for life after high school. The process of communication is explored while refining written, oral, and technology communication skills.

CREATIVE WRITING

Grades 11-12 ½ Credit One Semester

Students will practice a variety of writing designed to increase creativity and enhance grammar skills. Students will write a variety of stories, poems, fables, and other pieces of writing. A booklet of an individual's work will be compiled at the end of the semester.

CONTEMPORARY LITERATURE

Grades 11-12 ½ Credit One Semester

In this class, students will read literature published within the last 30 years. Class discussions will cover basic literary developments throughout the novel as well as the impact the novel may have had on society when published. Societal issues are reflective in literature. Some of these novels will contain controversial themes and/or topics that are relevant in today's society.

DYSTOPIAN LITERATURE

Grades 11-12 ½ Credit One Semester

Dystopian worlds often explore the worst parts of society in order to showcase the positive, hard-working people in the world surrounding them. In this class, students will read a variety of dystopian novels to explore how human nature develops when faced with uncertainty and difficulty. The texts for this course will be wide-ranging, including a couple from the canon with the majority of the focus on contemporary works.

ONLINE ENGLISH COURSES

Grade level depends on course Credits vary

We offer a variety of online courses in English. If you are interested in taking an English course in this environment, check with our School Counselor for available options.

FINE ARTS

DRAWING

Grades 9-12 ½ Credit One Semester
Course Fee: \$10

Students will learn the art of drawing through direct observation and interpretive skills using pencil, charcoal, ink, marker, colored pencil, pastel and digital tools. Sketchbook spreads, portraits, figure drawing, still life, and landscapes will be explored. This is a great class for students wishing to develop their drawing skills.

PAINTING

Grades 9-12 ½ Credit One Semester
Course Fee: \$10

This course provides students with a deeper understanding of color theory and basic elements and principles of art and design as they relate to painting. Students will learn a variety of painting types and techniques while developing their personal art making style.

CERAMICS I

Grades 9-12 ½ Credit One Semester
Course Fee: \$10

This course develops hand building techniques to create decorative and functional art forms out of clay, as well as introducing wheel throwing. Students will learn several surface treatments such as piercing, applique, incising, mixed media, underglaze, textures, and resist to enhance the art making process.

CERAMICS 2

Grades 9-12 ½ credit One Semester
Course Fee: \$10

Prerequisite: Ceramics I

This course develops hand building techniques to create decorative and functional art forms out of clay- as well as introducing wheel throwing. Students will learn several surface treatments such as piercing, applique, incising, mixed media, underglaze, textures, and resist to enhance the art making process.

FUNCTIONAL ART

Grades 9-12 ½ Credit One Semester
Course Fee: \$10

This course explores functional art through creativity and problem solving, and is a great opportunity for students who want to explore beyond traditional art. Possible forms of art making may include: beading, jewelry making, tie-dyeing, silk painting, collaborative furniture making, and more.

2D MIXED MEDIA ART

Grades 9-12 ½ Credit One Semester
Course Fee: \$10

This course explores various two-dimensional mediums, concepts, and fundamentals of art. Possible forms of art making may include:

drawing, painting, printmaking, photography, mixed media, and more.

3D MIXED MEDIA ART

Grades 9-12 ½ Credit One Semester
Course Fee: \$10

This course explores various three-dimensional mediums, concepts, and fundamentals of art. Possible forms of art making may include: functional art, ceramics, sculpture, mixed media, and more.

ART INDEPENDENT STUDY

Grades 10-12 ½ credit One Semester
Course Fee: \$10
Prerequisite: Instructor Approval

This course provides students the opportunity to explore art of their choice in depth, such as figure drawing, watercolor, or throwing on the potter's wheel. Assignments will be fine-tuned with each individual student according to their interest. Students will discuss with the instructor the projects they want to develop, and set a schedule for progress check points and completion dates.

BAND

Grades 9-12 1 Credit One Year

High School band is a year-long program in which students will expand upon musical concepts covered in junior high band. Students will play a variety of intermediate to advanced repertoire in an ensemble setting. Students will broaden his/her knowledge of music history, theory, improvisation, composition, and musical expression. Sectional work, lessons, rehearsals, and all performances are required. All instruments welcome.

CHORUS

Grades 9-12 1 Credit One Year

The senior chorus is a class in which students will build upon the skills previously learned in junior high chorus, by singing two and three part music, as well as, getting an introduction to four-part music. The class will continue to focus on basic musicianship skills along with sight-reading practice to help students to increase their ability to read music. They will also learn how to constructively critique their own abilities. Previous choral experience is not required; however, it would be helpful. Attendance is required at all concerts and rehearsals.

MUSICAL THEATER

Grades 9-12 ½ Credit First Semester

This course is for the student that is interested in Musical Theater – both on stage and “behind the scenes”. Students will have the opportunity to rehearse, perform, direct, and choreograph/stage various scenes and shows from the Broadway genre. All students are expected to both perform and direct/produce. Performances will be both in-class and “main-stage” productions. Performances are required for all students.

MATH

PRE-ALGEBRA

Grade 9 1 Credit One Year
Other: Scientific Calculator Required

The course is designed to help students for preparation in high school mathematics, emphasizing the concepts necessary to be successful in Algebra I and II. These concepts include equation solving, graphing equations, computation skills, and solving basic systems of equations.

ALGEBRA I

Grades 9-10 1 Credit One Year
Other: Scientific Calculator Required

This course stresses further application of linear equations and inequalities. Students in Algebra 1 will also work with proportions, quadratic equations and exponential functions.

GEOMETRY

Grades 9-12 1 Credit One Year
Prerequisite: Algebra I
Other: Scientific Calculator Required

This course requires students to perform applications of Algebra through the lens of geometric figures. Students explore relationships among those figures and geometric proof is introduced.

ALGEBRA II

Grades 10-12 1 Credit One Year
Prerequisite: Geometry
Other: Scientific Calculator Required –
(Graphing calculator recommended if taking Pre-Calculus)

In this course, students will continue to analyze and graph equations and inequalities as well as solving systems of equations. During Algebra II, students will also explore new topics such as matrices, complex numbers and quadratics, polynomials, and rational functions.

PRE-CALCULUS

Grades 11-12 1 Credit One Year
Prerequisite: Algebra II
Other: Graphing Calculator Required

The goal of this Pre-Calculus course is to broaden students' pre-existing knowledge of functions and to introduce new classes of functions such as: rational functions, exponential functions, logarithmic functions, and trigonometric functions. Students will learn to analyze each of these different types of functions, determine their important characteristics, solve equations involving these functions, and sketch a detailed graph of each type of function. All of these skills are precursors to what is required in a Calculus course and each will be necessary to be successful in a Calculus course. Students enrolled in Pre-Calculus will have the opportunity to gain college credits through Moraine Park Technical College upon successful completion of the course.

AP CALCULUS AB

Grade 12 1 Credit One Year
Prerequisite: Pre-Calculus
Other: Graphing Calculator Required

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts

and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. After completing this course, students may choose to take the Advanced Placement AB Calculus exam. Students that score a 3 or higher on the exam may earn college credit.

PROBABILITY AND STATISTICS

Grades 11-12 1 Credit One Year
Other: Scientific Calculator Required

This course explores descriptive as well as analytical statistics and their applications. Students gathering and interpreting data as well as exploring statistical biases. Students also spend time exploring the applications of probability. This course is very hands-on.

INTERMEDIATE ALGEBRA

Grades 11-12 1 Credit One Year
Other: Scientific Calculator Required

Intermediate Algebra will cover many Algebra topics. It will cover graphing and linear systems, measurement, finance, basic trigonometry, as well as probability and statistics. Students will learn skills that will help them bridge the gap between just learning mathematical procedures and using them in everyday situation with practical exercises. Intermediate Algebra is designed for the student that took Pre-Algebra as a freshman or is not quite prepared for Algebra II and is planning on attending a technical college upon graduation. Students enrolled in Intermediate Algebra will have the opportunity to gain college credits through Moraine Park Technical College upon successful completion of the course.

COLLEGE ALGEBRA

Grade 12 1 Credit One Year
Other: Scientific Calculator Required

College Algebra will build on the topics discussed in Algebra II including real numbers, equations, and inequalities, polynomials, rational functions, radicals as well as logarithmic and exponential functions. Students will learn skills that will help them bridge the gap between just learning mathematical procedures and using them in everyday situations with practical exercises. College Algebra is designed for the senior that took Algebra II and is planning on attending a technical college upon graduation. Students enrolled in College Algebra will have the opportunity to gain college credits through Moraine Park Technical College upon successful completion of the course.

ONLINE MATH COURSES

Grade level depends on course Credits vary

We offer a variety of online math courses, including honors and AP level courses. If you are interested in taking a course in this environment, please contact our School Counselor for available options.

PHYSICAL EDUCATION & HEALTH

HEALTH

Grade 9 ½ Credit One Semester

This course will develop skills for use throughout the student's lifetime. Topics will include: nutrition; emotional health; social health; physical health; suicide prevention; alcohol, tobacco, and drug prevention; sex education; goal setting; refusal skills; and communicating effectively.

PHYSICAL EDUCATION

Grades 9-12 ½ Credit One Semester

This course is designed to introduce students to physical activities, physical fitness, and lifetime activities. Students will participate in a variety of indoor and outdoor sports and games, individual and team activities. Students must dress in appropriate workout clothing and shoes.

STRENGTH AND CONDITIONING

Grades 10 -12 ½ Credit One Semester

This class will focus on proper lifting form and technique. The class will explore various lifting programs, designing a personal lifting program, and focus on promoting lifelong fitness. Proper nutrition and conditioning/quickness programs will also be discussed.

LIFETIME RECREATION

Grades 11 -12 ½ Credit One Semester

Lifetime Recreation is designed to encourage and motivate students to maintain an active lifestyle outside of the traditional school physical education setting. Units like Golf, Kayaking, Bowling, Archery, Yard Games, and Exercise Training will all be incorporated into class.

SCIENCE

BIOLOGY

Grade 9 1 Credit One Year

This course deals with the physical and chemical properties of human life with such areas of study such as: chemistry relating to life, cell metabolism, cell growth, cell division, systems of the human body, relationships between structure and function, the study of animal life, survey of the major phyla, invertebrate animals, trees, cell parts, cellular processes, enzymes, and ecology. This course will be a blend of lectures, discussions and labs. Biology is designed to encourage students in pursuing careers in biology or simply helping them to learn more about the world of animals and plants.

CHEMISTRY

Grade 10 1 Credit One Year

Chemistry is the study of matter and energy and how they change. This course investigates the structure and composition of matter (from the simple atom through different types of compounds and mixtures), the states of matter, physical changes (changes in state), and chemical changes (bonding and chemical reactions). Specific areas of study include the atom, periodic law, chemical reactions, stoichiometry, behavior of gases, gas laws, equilibrium, acids, bases, and salts.

Physics

Grades 11-12 1 Credit One Year
Course Fee: \$65

Physics is an advanced level science class that satisfies the high school graduation requirement for science. The physics curriculum includes interactions of matter and energy, velocity, accelerations, force, energy, momentum and charge. Students will be challenged to apply their knowledge of the laws of physics to solve physics related critical thinking problems.

Students will explore the laws of physics through laboratory sessions including Bridge building, Hot air Balloons, Mousetrap Cars, Rocketry, and applied force. Physics is designed to encourage students that may pursue a career in physics or engineering, or simply help them learn more about the laws that govern our world and the universe.

HUMAN ANATOMY AND PHYSIOLOGY

Grades 11-12 1 Credit One Year

This course is designed for students with a love and passion for learning how the human body works. The class emphasizes the relationships between the structures of human organs with the functioning of those organs. Understanding how the body maintains a biological balance (Homeostasis) and relates to our surroundings is a must for a proper functioning body. This class will be of special interest to students pursuing health - related careers and profession.

ECOLOGY

Grades 11-12 1 Credit One Year

This course is designed for students to explore Wisconsin and its surrounding states in the Midwest. The class emphasizes the relationships between nature and humans. Basic ecology principles are applied to current environmental issues in our local areas and surrounding states in the Midwest with the focus on the use of natural resources, environmental ethics, and pollution, recycling, energy use, alternative energy sources, animals, and habitat loss.

AP BIOLOGY

Grades 11-12 1 Credit One Year

The AP Biology course is designed to enable you to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The result will be readiness for the study of advanced topics in subsequent college courses. After completing this course, students may choose to take the Advanced Placement exam, and may earn college credit with a score of 3 or higher.

ONLINE SCIENCE COURSES

Grade level depends on course Credits vary

We offer a variety of online science courses, including honors and AP level courses. If you are interested in taking a course in this environment, please contact our School Counselor for available options.

SOCIAL STUDIES

US HISTORY

Grade 9 1 Credit One Year

Beginning with Reconstruction, this course will continue both topically and chronologically to

the present time. Each unit will be developed completely and, as in the previous year, cover the inter-relationship of American History, economics, government, and sociology.

WORLD HISTORY

Grade 10 1 Credit One Year

In this course, students will trace the development of human beings in establishing civilizations from the first civilization in Mesopotamia through the Scientific Revolution in Europe. Emphasis will be placed on Greco-Roman culture and European history as it relates to the development of American ideals.

CIVICS

Grade 11 ½ Credit One Semester

This course is a study of the various systems of government in the world, concentrating on the history, development, and structure of government in the United States with an emphasis on individual and group rights as well as current events.

CONTEMPORARY ISSUES

Grades 10-12 ½ Credit One Semester

This semester course deals with vital issues that appear at the state, national, and International level. Topics will include: crime; welfare; terrorism; local, state, and national political issues; controversial issues; the economy, scientific achievements, environmental issues; and public affairs. This class will ask students to debate, analyze, and defend their views in a safe environment.

AP HUMAN GEOGRAPHY

Grades 11-12 1 Credit One Year

AP Human Geography is a college level course that introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research applications. Students who take this course are eligible to take the AP Human Geography exam with the possibility of earning college credit.

AP PSYCHOLOGY

Grades 11-12 1 Credit One Year

Students in this class will study how scientific methods can be applied to understanding human behavior. This course will cover many core concepts of a typical college Introductory Psychology course. A large part of the curriculum will be assimilated through student-driven research and inquiry into the following areas of psychology: early history of psychology, how the brain works, sensation and perception, altered states of consciousness, learning, memory, and psychological disorders. After completing this course, students may choose to take the Advanced Placement exam, and may earn college credit with a score of 3 or higher.

SOCIOLOGY

Grades 10-12 ½ Credit One Semester

Sociology will help students to become familiar with the basic concepts, principles, and practices of human society. They will gain a better understanding of human behavior which we observe at home, in school, in our community, and in society. They will also learn about the problems faced by many in American society today including: abuse, racism, discrimination, crime, poverty, and aging.

HISTORY OF AMERICAN WARS

Grades 10-12 ½ Credit One Semester

This course provides students with an overview of American military history relative to the causes, nature, outcomes, and significance of major wars and related issues; essentially, is a study of the concepts, events, leaders, and outcomes of American military history from the American Revolution to recent times.

ONLINE SOCIAL STUDIES COURSES

Grade level depends on course Credits vary

We offer a variety of online social studies courses, including honors and AP level courses. If you are interested in taking a course in this environment, please contact our School Counselor for available options.

TECHNOLOGY EDUCATION

WOODS TECHNOLOGY 1

Grades 9-12 ½ Credit One Semester

Course Fee: \$25

Other: Safety glasses required

Students will learn how to use measuring tools, read a print, identify multiple wood species, layout a project and the safe use of hand and power tools. Two of the shop projects will include following plans to create a storage unit and wood sculpting called Intarsia.

WOODS TECHNOLOGY 2

Grades 9-12 ½ Credit One Semester

Prerequisite: Woods Technology 1

Course Fee: \$25

Other: Safety glasses required

Students will improve upon their skills from Woods Technology 1. Projects will provide higher level joinery, fine-detail finishes, laser engraving and CNC routing.

METALS WELDING 1

Grades 9-12 ½ Credit One Semester

Course Fee: \$25

Other: Safety glasses required

Students will learn multiple welding and cutting processes of metal. They will be able to read an engineering print for specifications of their welding set up. They will be able to understand and setup the equipment needed for welding, how to prepare the materials, and to safely weld or cut these materials. Welding processes will include MIG, stick, Oxy-fuel and TIG welding along with Oxy-fuel and Plasma cutting.

METALS WELDING 2

Grades 9-12 ½ Credit One Semester

Course Fee: \$25

Prerequisite: Metals Welding 1

Other: Safety glasses required

Students will focus on MIG and TIG welding processes of various metals. They will be able to setup the equipment, prepare the materials, and to safely MIG or TIG weld these materials. Advanced Plasma and OxyFuel cutting processes will be studied and practiced.

METALS MACHINING

Grades 9-12 ½ Credit One Semester

Course Fee: \$25

Other: Safety glasses required

Students will learn how to safely set up and correctly operate a manual mill, lathe, surface grinder, and other machine tooling. Students will also gain experience on numerical controls for machining and have an introductory project on a small CNC Milling machine.

3D MODELING

Grades 9-12 1 Credit One Semester

Students will use SolidWorks drafting software to have experience with mechanical CAD experience, design validation, and data management skills needed by the manufacturing industry. They will be 3d printing several of the drawings they create. Students may be eligible to receive a SolidWorks certification by excelling in the program and passing related skills tests. This certification is recognized throughout the manufacturing industry and job opportunities may come through the successful completion of this class.

CAD/CAM

(Computer Aided Drafting and Computer Aided Manufacturing)

Grades 9-12 ½ Credit One Semester

Prerequisite: 3D Modeling

Students will create two and three dimensional designs using SolidWorks computer aided drafting software. They will learn to use SolidCAM software to generate tool paths for CNC milling machines that includes various Machining Centers, Laser engraver, 3d printers, and CNC Plasma Cutting System. All of these are located within the Technical Education Lab and shop. Students will have opportunities to work directly with local manufactures to run their software designs on production machining and turning centers.

SMALL ENGINES

Grades 9-12 ½ Credit One Semester

Course Fee: All cost for students personal projects are covered by the student.

Other: Safety glasses required

Students will learn the components and operation of the 2-stroke and 4-stroke internal combustion engines. They will learn of the various systems associated with these engines that are typically seen on lawn mowers, weed trimmers, water pumps, generators, snow blowers, and other outdoor power needs. Students will use a school's engine to operate it, disassemble, inspect components, reassemble, and operate it again. They will also have the opportunity to use their skills on personal projects.

OUTDOOR POWER REPAIR

Grades 10-12 ½ Credit One Semester

Prerequisite: Small Engines

Course Fee: All cost for students personal projects are covered by the student.

Other: Safety glasses required

This course is designed for the student who wants more in-depth knowledge of engines and power systems. Lawn and garden, industrial, and motorsports vehicles will be discussed and worked on as available. Units of instruction will include troubleshooting engine issues, repairs of engines and small vehicles, alternative fuels, researching and ordering parts and materials for repairs. Students will be learning how to acquire used vehicles and prepare them for reselling for a profit. Machine repairs are limited to the size of our shop so we will not be able to work on cars, trucks, tractors, or other large equipment.

ROBOTICS – Control and Automation

Grades 9-12 ½ Credit One Semester

Students will learn how to design and build various robotic devices to prepare for the use of robotics in our society for work, play, and in support roles. The major units of instruction will begin with an introductory bot to learn the components and their functions. The following bot is used to learn more sophisticated controls and components. The course will initially focus on material and vehicle movements with the intent to grow into flight controls using drones and autonomous control.

MAKERSPACE 101

Grades 9-12 ½ credit One Semester

Other – Safety glasses required

Makerspace 101 is a course that will allow students to use the tools and materials available to the Tech Lab and Tech Shop to turn knowledge into action. 3d printing, laser engraving and cutting, CNC routing, CNC machining, CNC plasma cutting, computer aided drafting are just a few of the technologies available. Personalized learning opportunities will allow you to turn your ideas into action. No prior Tech Ed classes needed to take this course. Available to all high school students.

HHM (Husty Heavy Manufacturing)

Grades 9-12 ½ credit One Semester

Prerequisite: 2 credits of Tech Ed classes

Other – Safety glasses required

Husty Heavy Manufacturing (HHM) is a student run manufacturing company. Students will have career opportunities in manufacturing while giving them experience and exposure to jobs within that industry. Students will be able to show their strengths in their individual skill sets which may include product engineering, office management, marketing, sales, or production. We will be providing custom engineered products. Past products have been artwork, storage racks, modified canoe trailer, signs, and fencing. We will continue with custom projects throughout this class.

HOME AND AUTOMOTIVE MAINTENANCE

Grades 9-12 ½ credit One Semester

Home Maintenance students will learn to be knowledgeable homeowners and/or renters. Basic information includes the use of hand tools, some power tools, and assorted building materials for the repair and maintenance of your home and equipment in your home. Basic car maintenance will help students learn how to take care of their car or truck and to keep the cost of repairs to a minimum. Costs for the class include the individual purchase of materials for personal projects.

INDEPENDENT STUDY

Grades 11-12 ½ Credit One Semester
Prerequisite: 2 credits of Tech related courses/Instructor Approval
Course Fee: All material for projects are supplied by the student.
Other: Safety glasses required

Students will plan, design, and construct projects of their own selection with teacher approval. Student must complete the following prior to signing up for this class: 2 credits of Tech Ed related course-work, submit a written request to the Tech Ed Teacher, write a statement outlining personal achievement goals for the semester.

WORLD LANGUAGES

SPANISH I

Grades 9-12 1 Credit One Year

Spanish I is an introduction to the Spanish language. Students will develop an ability to use Spanish for basic conversation and increase their understanding of Hispanic cultures. Introductory vocabulary and simple grammar structures will be used to communicate and express ideas. Students will use the Spanish language on a daily basis for speaking, reading, writing and listening.

SPANISH II

Grades 10-12 1 Credit One Year
Prerequisite: Spanish I

Students will build on the base they have established in Spanish I. Increased vocabulary and continued study of grammar will be important components of the class as we aim to improve the students' ability to communicate in a variety of real life situations. Students will be expected to use the Spanish language on a daily basis for speaking, reading, writing and listening.

SPANISH III

Grades 11-12 1 Credit One Year
Prerequisite: C+ or better in Spanish II and approval of instructor

Students will build on the base they have established in Spanish I & II. Increased vocabulary and continued study of grammar will continue to be important components of the class, and there will be an increased emphasis on reading comprehension. Students will be expected to use the Spanish language on a daily basis for speaking, reading, writing and listening.

SPANISH IV and V

Grade 12 1 Credit One Year
Prerequisite: C+ or better in Spanish III or Spanish IV and approval of instructor

Students will build on the base they have established in previous levels. We continue to expand our vocabulary and knowledge of Spanish grammar and improve our reading comprehension. Students will have increased emphasis on writing and increasing their knowledge of Hispanic cultures. Students will be expected to use the Spanish language in class on a daily basis for speaking, reading, writing and listening.

SPANISH CULTURE

Grades 9-12 ½ credit One Semester

Students will gain knowledge about the twenty-one different Spanish speaking countries through hands-on projects, readings, videos, and cultural experiences. The focus will be on food, music, holidays, traditions, animals, art, popular destinations, and geography. No knowledge of Spanish is required.

ONLINE WORLD LANGUAGE COURSES

Grade level depends on course Credits vary

We offer a variety of online courses in the World Language department. If you are interested in taking a course in this environment, check with our School Counselor for available options.

OTHER COURSES

JHE MENTOR

Grades 11-12 ½ Credit One Semester
Prerequisite: Approval of school counselor

Students in this mentoring program will work with students at John Hustis Elementary. This is an excellent opportunity for high school students to serve as positive role models for our district's younger students. Those seeking credit will be required to complete coursework/reflections.

MIDDLE SCHOOL MENTOR

Grades 11-12 ½ Credit One Semester
Prerequisite: Approval of school counselor

Students in this mentoring program will work with students in the middle school. This is an excellent opportunity for high school students to serve as positive role models for our district's middle school students. Those seeking credit will be required to complete coursework/reflections.

START COLLEGE NOW

Grades 11-12 Varies: One Semester
Other: - Start College Now guidelines apply
- Application deadlines apply
- Fall Semester March 1
- Spring Semester October 1

Any student meeting the eligibility requirements set forth by the state may participate in one or more courses at a Wisconsin technical college or institution of higher education. The guidelines established by the state and school board regarding Start College Now must be followed for students in this program. Possible approved courses would include those not comparable to those offered at Hustisford High School. Failure to drop the class on time or complete the class will result in the student pay the school district full restitution for the cost of the course and textbooks required.

YOUTH APPRENTICESHIP

Career and Technical Education

Grades 11-12 ½ Credit One Semester

- Enrollment in related CTE course & Administrative approval.
- Junior/Senior Standing.
- Positive attendance, academic, and behavior records.
- On track for graduation.

The Wisconsin Youth Apprenticeship program integrates school-based and local work-based learning. Participants must be enrolled in a related CTE course at the same time as the YA experience. A work-based mentor and a Youth Apprentice supervisor will work closely with the YA participant. Students must participate in grading reviews and observe school and company rules and requirements. After students successfully meet a requirement of 450 hours paid work experience and demonstrate proficiency in industry-established competencies, they will receive a recognized skills certificate of occupational proficiency from the State of Wisconsin. Summer work hours do count. Students who wish to be released early from school must be senior status, academic & behavior eligible, and obtain administrative approval.

Youth Apprenticeship - Work Release:

Elective Credit, Principal Approval for Grade 12 Only

Students in good standing with their Youth Apprenticeship placement may apply for work release. Students will only be allowed to miss two class periods at the beginning or end of the school day. All work release cases must complete the application that should be filled out by the student, their YA supervisor, cooperating teacher, school counselor, and school principal.

ONLINE COURSES

Online courses will meet in a class just like any other class. Students have the opportunity to take courses we are unable to offer in the district but they must be approved by the school counselor. These courses are for students who are self-guided and self-motivated. Student must receive recommendation by the School Counselor and/or teacher to participate in an online course.

NON-DISCRIMINATION POLICY

No person may be denied admission to any public school or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, extra-curricular, pupil services, recreational, or other program or activity because of the person's sex, race, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability (Wisconsin Statute 118). Any complaints regarding possible discrimination should be reported to the District Administrator of the Hustisford School District, 845 South Lake Street, Hustisford, WI 53034

HUSTISFORD HIGH SCHOOL: FOUR YEAR SCHEDULE SAMPLE

Freshman Year

English 9	1.0
US History	1.0
Biology	1.0
Algebra I or Geometry or Pre-Algebra	1.0
Physical Education	0.5
Health	0.5
HS Careers	0.5
<i>Elective</i>	0.5
<i>Elective</i>	1.0
<i>Elective or Study Hall</i>	

Sophomore Year

English 10	1.0
World History	1.0
Chemistry	1.0
Geometry or Algebra II or Alg. 1	1.0
Physical Education	0.5
<i>Elective</i>	0.5
<i>Elective</i>	1.0
<i>Elective</i>	1.0
<i>Elective or Study Hall</i>	

Junior Year

English 11	1.0
Civics	0.5
Algebra II or Pre-Calculus or Geometry	1.0
Physical Education	0.5
<i>Social Studies Elective</i>	0.5
<i>Science Elective</i>	1.0
<i>Elective</i>	1.0
<i>Elective</i>	1.0
<i>Elective or Study Hall</i>	

Senior Year

Advanced Composition or Composition 12	0.5
English Elective	0.5
Physical Education	0.5
Fiscal Literacy	0.5
<i>Elective</i>	1.0
<i>Elective</i>	1.0
<i>Elective</i>	1.0
<i>Elective</i>	1.0
<i>Elective</i>	1.0

COLLEGE ADMISSION REQUIREMENTS

UW - MADISON	Minimum for Application	Typical for Admission
English	4 years	4+ years
Algebra	1	1
Geometry	1	1
Advanced Math	1	2+
Social Studies	3	4
Science	3	4
Single Foreign Language	2	3+
Additional Academic/Fine Arts	2	2+
Total Units	17	21+

UW - MILWAUKEE	Minimum for Application
English	4 years
Algebra	1
Geometry	1
Advanced Math	1
Social Studies	3
Science	3
College Prep Electives (including Foreign Language)	2
Additional Academic/Fine Arts	2
Total Units	17
Note: Foreign language is not an admission requirement. However, you are required to complete no less than two college semesters of the same foreign language to graduate from UWM. You may satisfy this requirement by successfully completing two years of the same language at the high school level.	

College Entrance Examinations (ACT & SAT)

All of the state universities and all of the private colleges and universities in Wisconsin require either the ACT or SAT. Some fields in the technical colleges may require them also. Some schools require certain minimum scores. For more information on which schools require which tests, see the school counselor. The ACT is taken during the second semester of the junior year in March.

Jr. / Sr. High School Grading Scale

Grading Scale	
A	92.5 - 100
A-	89.5 - 92.49
B+	87.5 - 89.49
B	82.5 - 87.49
B-	79.5 - 82.49
C+	77.5 - 79.49
C	72.5 - 77.49
C-	69.5 - 72.49
D+	67.5 - 69.49
D	62.5 - 67.49
D-	59.5 - 62.49
F	Below 59.5

NON-DISCRIMINATION POLICY

No person may be denied admission to any public school or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, extra-curricular, pupil services, recreational, or other program or activity because of the person's sex, race, religion, color, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability (Wisconsin Statute 118). Any complaints regarding possible discrimination should be reported to the District Administrator of the Hustisford School District, 845 South Lake Street, Hustisford, WI 53034.

The Hustisford School District is an Equal Opportunity Employer