

# HUSTISFORD HIGH SCHOOL



COURSE DESCRIPTION BOOKLET  
2019 – 2020

## AGRICULTURE

### ANIMAL SCIENCE 1

Grades 9-12 1/2 Credit One Semester  
Can take only one semester

Students will learn about the many sciences involved in raising domestic animals. Topics include animal handling, facility management, digestion, nutrition, genetics, and reproduction. The class will include projects and labs related to animals in agriculture.

### ANIMAL SCIENCE 2

Grades 9-12 1/2 Credit One Semester

This course will focus on livestock species in production agriculture as well as companion animals and aquatic animals. Students will learn 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.

### VETERINARY SCIENCE

Grades 9-12 1/2 Credit One Semester

Veterinary Science will teach information about the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing animals that affect our daily lives. Course topics focus on anatomy and physiology, nutrition, behavior, and reproduction, running a veterinary clinic, and other areas of study as appropriate. This a great course for anyone pursuing a career as a Vet Technician, Doctor of Veterinary Science, Animal Behaviorist, Pre-Medicine, Animal Science Majors or those who just love animals. This course includes a lot of hands-on discovery.

### PLANT SCIENCE

Grades 9-12 1/2 Credit One Semester

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

### AGRICULTURE BUSINESS AND LEADERSHIP

Grade 11-12 1/2 Credit One Semester

This advanced class will help juniors and seniors take a look at personal growth and career success as it relates to agriculture. Classwork will include business structures and cooperatives, parliamentary procedure, agriculture communications and social media, ag commodity markets, employability skills, and career research.

### WISCONSIN AG COMMODITIES

Grades 10-12 1/2 Credit One Semester

This course is designed for students with a passion for Wisconsin Agriculture. Students will gain an understanding of Wisconsin's economic impact from the state's top ag commodities including dairy, corn, soybeans, potatoes, cranberries, mink, and more. The class will focus on the economic impacts as well as production, marketing, and consumption.

## BUSINESS EDUCATION

### PERSONAL FINANCE 1

Grade 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.

### HS Careers

Grade 9 1/2 Credit One Semester  
Required class

HS 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.

### SPORTS AND ENTERTAINMENT MARKETING

Grades 9-12 1/2 Credit One Semester

Students who have wished to play sports professionally or who have dreamed of becoming an agent for a celebrity entertainer have an interest in sports and entertainment marketing. Although this particular form of marketing bears some resemblance to traditional marketing, there are many differences as well—including a lot more glitz and glamour! In this course, students have the opportunity to explore basic marketing principles and delve deeper into the multibillion-dollar sports and entertainment marketing industry. Students learn how professional athletes, sports teams, and well-known entertainers are marketed as commodities and how some of them become billionaires as a result. For students who have ever wondered about how things work behind the scenes of a major sporting event such as the Super Bowl or even entertained the idea of playing a role in such an event, this course introduces the fundamentals of such a career.

### MARKETING MANAGMENT

Grades 9-12 1/2 Credit One Semester

The course focuses on basic marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics which will be incorporated into the course are external environment (which will focus on integrative topics with marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing.

## ENTREPRENEURSHIP AND SMALL BUSINESS MANGAGEMENT

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.

### ONLINE CTE COURSES

Grade level depends on course Credits vary

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

## 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 Common Core State Standards Initiative 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 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. Students will refine their use of grammar, punctuation, spelling, and vocabulary. English 10 is an integrated approach to reading, writing, listening, and speaking curriculum based on the Common Core State Standards initiative 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 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

This course will include grammar review, vocabulary development, literature, ACT practice, college essay writing, other various writing exercises, and understanding media. Within the media unit, a commercial and radio program will be developed. 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  
No Prerequisite

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 Guidance Counselor for available options.

## FAMILY & CONSUMER EDUCATION

### FOODS 1

Grade 9-12 ½ Credit One Semester  
Fee: \$30

Emphasis is placed on Food Preparation Techniques. Students will understand and practice a large variety of food preparation techniques. Students will learn to correctly identify & use kitchen utensils, read recipes, measure accurately, and to practice food & kitchen safety procedures. Students will practice the work skills expected in the food service industry.

### FOODS 2

Grade 9-12 ½ Credit One Semester  
Prerequisite: Foods 1  
Fee: \$30

Students will study how food is flavored, study how cooking alters food, how to plate food, various garnishing techniques, and study the baking principles of baking cakes, breads, and pastry. Emphasis will be placed on practicing culinary arts skills expected in the food service industry and will include the study of the science of food preparation.

### FOOD & TRAVEL

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

Students will study the Hospitality & Tourism Industry; which includes jobs in lodging, food & beverage, tourism, sports & entertainment. Students will practice roles and responsibilities of work during the operation of a restaurant simulation. They will learn about work, read job ads, complete job applications, understand interview skills, and practice employability skills.

### HOUSING

Grade 9-12 ½ Credit One Semester

Students will study housing options from a consumer point-of-view as well as study architectural styles and how designers use the elements of design. Students will learn and practice using vocabulary linked to the Housing Industry. Students will practice drawing floor plans and using architectural symbols. Job opportunities in the Housing Industry will be researched.

### CULINARY ARTS INDEPENDENT STUDY

Grade 12 ½ Credit One Semester  
Prerequisite: Instructor Approval  
Fee: \$30

Students will plan out their course of study. They will be able to choose areas of culinary arts which they wish to explore in deeper detail. Students will be responsible for setting their own goals and schedule.

### MEDICAL OCCUPATIONS 1

Grade 11-12 ½ Credit One Semester

Students will learn over 200 medical terms. Students will also research various occupations in the Health Care Industry. Students study the history of medicine, organization of health care, patient rights, ethical/legal responsibilities, basic skills of health care workers, infection control, vital signs, and the impact of nutrition on our health. This class will help prepare students who are interested in pursuing a career in Health Care.

### MEDICAL OCCUPATIONS 2

Grade 11-12 ½ Credit One Semester  
Prerequisite: Medical Occupations 1

This course is an in depth study of the body systems; skeletal, muscular, digestive, nervous, cardiovascular, reproductive, respiratory, and sensory. Students will understand the anatomy & physiology of these systems. They will research diseases that affect these various body systems and the health care careers that treat them. Students will continue to expand their knowledge of medical terminology. They will also study geriatric care and diseases of the elderly.

### TEXTILE TECHNOLOGY

Grades 9-12 ½ Credit One Semester

Students will research the properties of a variety of textiles/fabric and apply that knowledge to determine appropriate uses of different textiles. Students will develop their sewing skills through creating one or more sewing projects of their choice. Students will practice STEM skills in selecting fabric, learning to operate the sewing machine, reading technical text, taking a one dimensional piece of fabric and turning into a three dimensional object, and practicing critical measurement skills. Study in this course will include costume design, alterations, and mending.

### ONLINE CTE COURSES

Grade level depends on course Credits vary

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

## FINE ARTS

### DRAWING

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

This course provides the art student with opportunities to learn realistic drawing techniques. Students will understand the use of

design principles to create a good composition. Various media and technique will be explored throughout this class.

### PAINTING

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

This course will teach students painting techniques using a variety of paint types. Students will understand color theory and basic design principles as they apply to painting.

### CERAMICS I

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

Students will learn to use hand building techniques and to create functional and decorative art forms out of clay. Students will use several surface treatments such as piercing, appliqué, incising, mixed media, under glazing, textures and resist enhancing their clay art forms. Students will also be introduced to the wheel.

### ART INDEPENDENT STUDY

Grades 10-12      ½ Credit      One Semester  
Prerequisite: Instructor approval  
Fee: \$10

Students in this class will choose something they want to explore in depth such as figure drawing or a technique like watercolor or throwing on the potter's wheel. Students will discuss with the instructor the projects they want to do and set a schedule for progress check points and completion dates.

### FUNCTIONAL ART I

Grades 9-12      ½ Credit      One Semester

Students will explore functional art through problem solving. Possibilities may include beading, jewelry making, tie-dyeing, silk painting, glass etching, or painted furniture but the possibilities are endless. This is a great class opportunity for students who want to explore beyond traditional art.

### 2D MIXED MEDIA ART

Grades 9-12      ½ Credit      One Semester

This class will explore many different mediums, ideas, and fundamentals of art. We will explore paint, drawing, photography, mixed media, and printmaking.

### 3D MIXED MEDIA ART

Grades 9-12      ½ Credit      One Semester

This class will explore the development of 3 dimensional art, starting with the relief and ending with the object in the round. We will create installations, functional art, and sculptures using clay, wood, cardboard, foam spray, and metal.

### BAND

Grade 9-12      1 Credit      One Year

The senior high 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, and composition, and musical expression. Sectional work, lessons,

rehearsals, and all performances required. All instruments welcome.

### CHORUS

Grade 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.

## FOREIGN LANGUAGE

### SPANISH I

Grade 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

Grade 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

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

Other: Spanish Dictionary Recommended

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

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

Other: Spanish Dictionary Recommended

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.

### ONLINE FOREIGN LANGUAGE COURSES

Grade level depends on course      Credits vary

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

## MATH

### Pre-Algebra

Grade 9      1 credit      One Year

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. The course helps students to develop good mathematical study skills and learning strategies as an integral part of this course.

### ALGEBRA I

Grade 9-10      1 Credit      One Year

Other: - TI-84 Graphing Calculator Required  
- TI-89 only if planning to take Calculus

This course covers areas including: properties of sets of real numbers, solving linear equations, linear functions, inequalities, algebra and geometry, radical expressions and equations, graphing and algebraic equations.

### GEOMETRY

Grade 9-12      1 Credit      One Year

Prerequisite: Algebra I

This course examines the mathematical definitions and properties of many planar and spatial geometric figures. Through Euclidean Geometry the student understands and uses deductive reasoning, analysis and inductive reasoning with further strengthening of algebraic skills.

### ALGEBRA II

Grade 10-12      1 Credit      One Year

Prerequisite: Geometry

Other: - TI-84 Graphing Calculator Required  
- TI-89 only if planning to take Calculus

Solving equations and problems involving variables; factoring quadratic equations; manipulating fractions with variables; using common formulas; squaring and cubing numbers; multiplying and dividing radicals; and solving irrational equations.

### PRE-CALCULUS

Grade 11-12      1 Credit      One Year

Prerequisite: Algebra II

Other: TI-84 Graphing Calculator Required  
TI-89 only if planning to take Calculus

This course studies trigonometry, uses mathematical functions to identify the domain and range, form compositions, find inverses, graph, and solve real-world problems.

### CALCULUS (AP)

Grade 12      1 Credit      One Year

Prerequisite: Pre-Calculus

Other: TI-89 Graphing Calculator Required

This is a college level class and follows the curriculum of the advanced placement program.

After completing this course students may choose to take the advanced placement AB Calculus test. Main topics the class will address are limits, derivatives, and integrals.

### PROBABILITY AND STATISTICS

Grade 11-12 1 Credit One Year  
Other: TI-83 recommended

Probability and statistics covers both of these two related topics of mathematics. Probability is the measure of the likelihood of the occurrence of a certain event. Statistics is the study of the analysis and organization of data. Students will explore math concepts with an emphasis on real-world applications.

### INTERMEDIATE ALGEBRA

Grade 11-12 1 credit One Year

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

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 Guidance 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

Grade 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.

## 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 and labs. Biology is designed to hopefully encourage the students in pursuing careers in biology or simply wishing to learn more about the dynamic world of animals.

### 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

Grade 11-12 1 Credit One Year  
Fees: \$65

Physics is the fundamental science dealing with matter and energy. This course is a study of Newtonian mechanics, including 1- and 2-dimensional motion, force, work and energy, power, torque, and waves. Students must be comfortable with mathematical operations.

### Human Anatomy and Physiology

Grade 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.

### WI ECOLOGY

Grade 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.

## SOCIAL STUDIES

### 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.

### US HISTORY

Grade 9 1 Credit One Year

Beginning with the Civil War, 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.

### HONORS US HISTORY

Grade 9 1 Credit One Year  
Prerequisite: Instructor Approval

Honors U.S. History is designed as an honors level survey course focused on the origins of our country through current times. Students who elect to take this course should be able to work with greater independence and responsibility than is expected in U.S. History. The more rigorous content level and pace of this course will be achieved through a blended learning environment. Online learning as well as project-based learning, focusing on research and inquiry, will be featured.

### 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

Grade 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 PSYCHOLOGY**

Grade 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. Students can choose upon completion to take the Advanced Placement Test.

#### **SOCIOLOGY**

Grade 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**

Grade 10-12 ½ Credit One Semester

Class begins with the Revolution and continues through the war on terrorism. Discussions and projects will center around reasons for the wars, people and countries involved, victors, after affects, civilian participation, etc.

#### **AP HUMAN GEOGRAPHY**

Grade 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.

#### **ONLINE HISTORY COURSES**

Grade level depends on course Credits vary

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

### **TECHNOLOGY EDUCATION**

#### **WOODS & COMPOSITES 1**

Grade 9-12 ½ Credit One Semester

Fee: \$25.00

Other: Safety goggles required

Students will learn how to use precision measuring tools, read a print, layout a project, and the safe use of hand and power tools. Shop experience will include the use of hand tools, power tools, and machines to manipulate wood and composite materials. Introductory projects will be provided.

#### **WOODS & COMPOSITES 2**

Grade 9-12 ½ Credit One Semester

Prerequisite: Woods & Composites 1

Fee: \$25.00

Other: Safety goggles required

Students will improve their skills from Woods & Composites 1. Projects will be provided for experiences with cabinetmaking, finish-detail woodworking, and multiple materials within a project using wood and composites materials.

#### **METALS FABRICATION**

Grade 9-12 ½ Credit One Semester

Fee: \$25.00

Other: Safety goggles required

Students will learn how to use precision measuring tools, read a print, layout a project, and the safe use of hand and power tools. Shop experience will include welding and metal fabrication. Fabrication projects will be provided.

#### **METALS MACHINING**

Grade 9-12 ½ Credit One Semester

Fee: \$25.00

Other: Safety goggles required

Students will learn how to safely set up and correctly operate a manual mill, lathe, surface grinder, and other tooling. CNC programming will be introduced. Machining projects will be provided.

#### **ADVANCED MATERIALS AND PROCESSES**

Grade 10-12 1 Credit One Year

Prerequisite: Woods or Metals

Fee: \$25.00

Other: Cost of project materials & supplies  
Safety goggles required

Students will use their skills and experiences from their Metals and Woods classes to design and build advanced projects. They will have opportunities to prepare for career growth in the manufacturing industry through job shadowing and school to work options, with the potential for a youth apprenticeship. CNC programming will be advanced from their prior classes along with continued experiences with machine tools. This class will work closely with the Business Department to provide the engineering and production for an entrepreneurial project as proposed by the Business Manufacturing correct class.

#### **COMPUTER AIDED DESIGN**

Grade 9-12 1 Credit One Year

Students will use SolidWorks software to gain mechanical CAD experience, design validation, and data management skills needed by the manufacturing industry. SolidWorks certifications are available for students who excel in the CAD program and pass related skills tests. These certifications are recognized throughout the manufacturing industry. Job opportunities are very realistic with the completion of this class.

#### **HHM**

Grades 10-12 ½ Credit One Semester

Husty Heavy Manufacturing (HHM) is a student run manufacturing company within the Tech Ed department of Hustisford High School. It exposes students to career opportunities in manufacturing. HHM addresses the skills gap in manufacturing while giving students the experience and exposure to the multiple jobs within that industry. Students will be able to show their strengths in their applied skill sets which include product engineering, office management, marketing, sales, or production.

#### **SMALL ENGINES**

Grades 9-12 ½ Credit One Semester

This course is designed to introduce students to the operation of the internal combustion engine. It is designed as an introductory class for students with or without previous mechanical knowledge. Students will study the principles of two and four stroke engine operation and the various systems typically found on a small gasoline engine associated with lawn mowers, snow blowers, generators and others. Students will gain a thorough understanding of engine operation through tasks designed to lead the student through disassembling, inspecting, and reassembling a small gasoline engine. Students will have the opportunity to use their skills on personal projects.

#### **INDEPENDENT STUDY**

Grades 11-12 ½ credit one semester

Prerequisite: 2 credits of Tech related courses/Instructor Approval

Fee: All material for projects are supplied by student

Other: Safety glasses required

Students will plan, design, and construct projects of their own selection with teacher approval. Students must complete the following prior to signing up for this class:

- two 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.

### **OTHER COURSES**

#### **JHE MENTOR**

Grade 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**

Grade 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.

### **JUMPSTART**

Grade 9-12      1/2 Credit      One Semester  
Prerequisite: Approval of administration

The purpose of this course is to build a collaborative community that will support students in fostering academic and behavioral skills that will lead to positive choices in the high school environment and beyond.

### **START COLLEGE NOW**

Grade 11-12      Varies      One Semester  
Other:      - Youth Options guidelines apply  
              - Application deadlines apply

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 school board policies regarding Youth Options and state Youth Options guidelines must be followed for students in this program. Possible approved courses would include those not

comparable to those offered at Hustisford High School.

### **YOUTH APPRENTICESHIP**

Grade 12      1/2 Credit      One Semester  
Teacher recommended

Youth Apprenticeship (YA) integrates school-based and work-based learning to instruct students in employability and occupational skills defined by Wisconsin industries. Local programs provide training based on statewide youth apprenticeship curriculum guidelines, endorsed by business and industry. Students are instructed by qualified teachers and skilled worksite mentors. Students are simultaneously enrolled in academic classes to meet high school graduation requirements, in a youth apprenticeship related instruction class, and are employed by a participating employer under the supervision of a skilled mentor. Certified work-based learning (WBL) programs are opportunities whereby students can achieve academic competence while focusing on career and technical education careers. The program is coordinated and supervised by school district staff so that there is a strong connection

between classroom learning and the work experience.

## **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 guidance office. These courses are for students who are self-guided and self-motivated. Student must receive recommendation by the Guidance 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



6. Thirty (30) hours of documented pre-approved community service outside of school during the student's junior and senior years. Senior Project hours can be included.

Substitution of any required courses in order to accommodate students with exceptional education interest, needs, or requirements, or who are classified "at-risk" will need administrative approval and become a part of the student's permanent records.

## **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
<i>HS Careers</i>	<i>0.5</i>
<i>Elective</i>	<i>0.5</i>
<i>Elective</i>	<i>1.0</i>
<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>	<i>0.5</i>
<i>Elective</i>	<i>1.0</i>
<i>Elective</i>	<i>1.0</i>
<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>	<i>0.5</i>
<i>Elective</i>	<i>1.0</i>
<i>Elective</i>	<i>1.0</i>
<i>Elective</i>	<i>1.0</i>
<i>Elective or Study Hall</i>	

### **Senior Year**

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

## COLLEGE ADMISSION REQUIREMENTS

<b>UW - MADISON</b>	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+
<b>Total Units</b>	<b>17</b>	<b>21+</b>

<b>UW - MILWAUKEE</b>	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
<b>Total Units</b>	<b>17</b>
<p><b>Note:</b> 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.</p>	

### 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 guidance counselor. The ACT is taken during the second semester of the junior year in March.

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