

HARTINGTON HIGH SCHOOL

COURSE DESCRIPTIONS

2013-2014



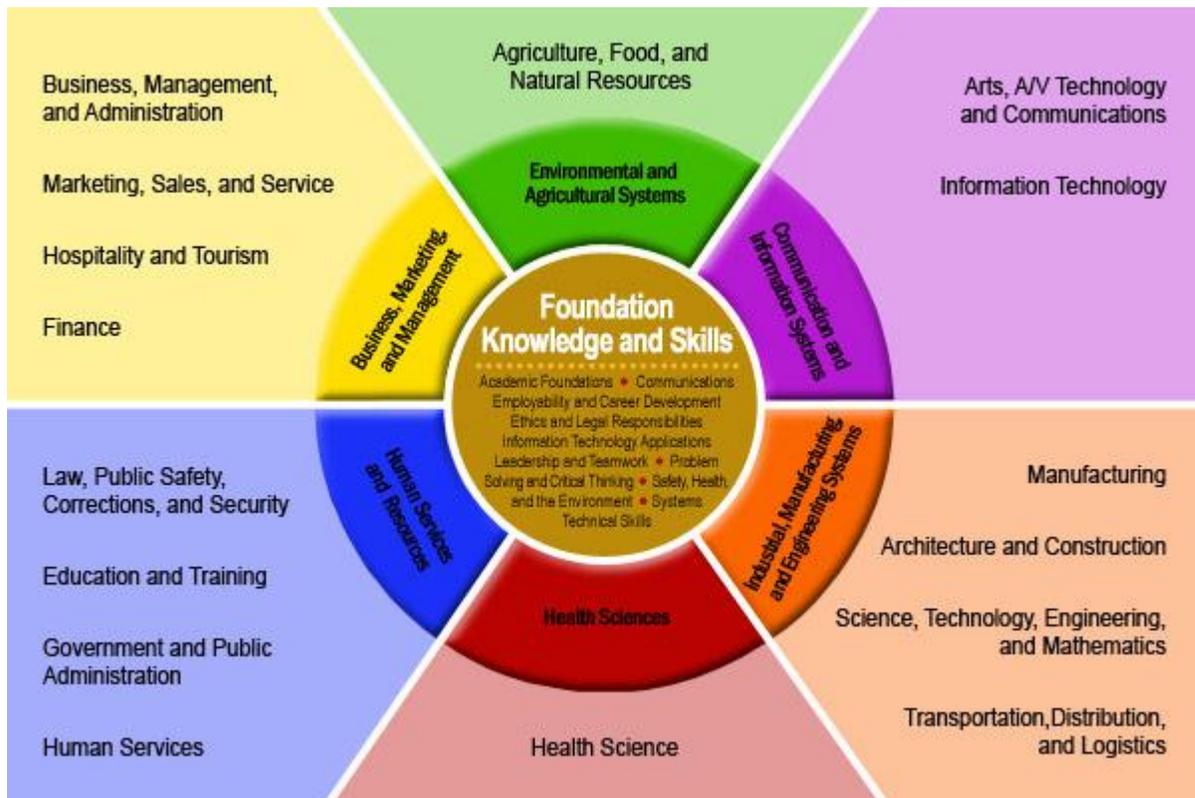
The course description information in this booklet is designed to help you learn more about courses which will/may be offered at Hartington Public Schools. Hartington Public Schools tries to offer a variety of courses to help each student with his/her academic preparation for life after high school. There are a wide variety of courses to choose from. Career planning is extremely important and courses should be selected with that in mind. A student with an aptitude and/or a career interest should take high school courses that prepare him/her for that field.

You are encouraged to take this handbook home and look it over. After studying the material, you and your parents should determine what course of study would be best for you to pursue and what subjects are necessary to meet your intended goals. If you have any questions concerning your course of study, please contact the guidance counselor or principal. Parents are encouraged to participate with their son/daughter, the counselor and principal as much as possible in determining courses of study for both a long and short-range plan of study.

The schedule of classes changes each year based on what classes are needed and required. It is important to pre-register carefully because the information gathered will be used to build the next year's schedule. Keep in mind that if a student has failed a required class, it may not be possible to schedule that individual need the following year. Some alternative scheduling, such as correspondence courses may have to be taken. These correspondence courses may be at a cost to the student.

Education is not only for the work you will be doing, but to a great extent, determines the life you will be living. Just as the type of work you do determines the lifestyle you will be living, your education will determine the type of work. So plan carefully and plan early.

Career Clusters and Pathways



REGISTRATION INFORMATION

A. General Information

1. A pre-requisite is a subject required before you can take certain other subjects. Example: Algebra is a pre-requisite for Geometry.
2. Class enrollment may be limited in some areas because of size.
3. Students who are members of FFA **MUST** take one semester of an AG ED class.
4. **Contact the guidance counselor or principal for more information on other classes (high school and/or college credit) that may be available through:**
 - **Distance learning** allows students to receive classes from schools and colleges throughout Nebraska using the interactive television network.
 - **On-line courses** offered through APEX and UNL.
 - **College credit courses** offered through Northeast Nebraska Community College.

B. College Prep Students

1. Early and careful planning is imperative as admission requirements vary. Your academic record is important in determining if the college of your choice will accept you.
2. Factors considered by colleges in action upon application:
 - a. Class rank, ACT scores, high school courses studied.
 - b. Activity record. The extent and participation in the various extracurricular activities is a matter of interest to every college or employer. Do not permit your extra curricular activities to jeopardize your academic record, but if you chose to participate, do so to the best of your ability.
 - c. High school courses studied.
 - d. High school recommendation.
3. Students planning to attend college should attempt to take as many challenging courses as possible, which will prepare them for the demands of college. Many of the courses are required, but beyond these requirements, students should enroll in classes that will provide them with experiences to benefit them in college. Many four-year colleges are requiring 4 years of English, 4 years of Math, and 2 years of a foreign language.

COURSE REQUIREMENTS

<u>9TH Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
English	English	English	English
Physical Science	Biology	American History	American Govt.
PE/Health	*Math	*Math	*Math
*Geog/Economics	*World History	*Science	
*Math			

***Students need to take either Geography/Economics or World History during their Freshman and Sophomore years. Three math and science classes are required within four years of high school**

GRADUATION REQUIREMENTS: 240 credit hours to include:

40 Hours	English	30 Hours	Math
30 Hours	Science	30 Hours	Social Science
10 Hours	PE/Health	100 Hours	Electives

Art

Art I

Grade: 9-12

Prerequisites: None

2 Semesters

This course introduces numerous media technique. The student is involved in the creative process dealing with both 2-D and 3-D skills. This course is set out to help you gain knowledge in your own individual skills and to help you appreciate different forms of art.

Art II

Grade: 10-12

Prerequisites: Art I

2 Semesters

The purpose of this course is to allow the student to develop technique, refine skill and experiment in new, more advanced art media types. The students will also study the history of the media used and artists discussed in this course.

Art III

Grade: 11-12

Prerequisites: Art I & II

2 Semesters

The purpose of this course is to allow the student to develop technique, refine skill and experiment in new, more advanced art media types. The students will also study the history of the media used and artists discussed in this course.

Art IV

Grade: 12

Prerequisites: Art I, II & III

2 Semesters

The purpose of this course is to allow the student to develop technique, refine skill and experiment in new, more advanced art media types. You must be a 4 year art student to take this class.

Business & Computers

Accounting I

Grade: 10-12

Prerequisites: None

2 Semesters

Glencoe Accounting, First-Year Course is a comprehensive, two-semester, one-year course designed to bring the real world of accounting into the classroom. Students will have the opportunity to use real-world accounting software, real-world source documents, real-world financial statements, and real-world multimedia.

Accounting II

Grade: 11-12

Prerequisites: Accounting I

2 Semesters

Glencoe Accounting, Second-Year Course is a comprehensive, two-semester, one-year course designed to bring the real world of accounting into the classroom. Students will have the opportunity to use real-world accounting software, real-world source documents, real-world financial statements, and real-world multimedia.

Advanced Computer Applications

Grade: 10-12

Prerequisites: Computer Applications I & II

2 Semesters

This class is designed to expose students to other computer programs and allow them to explore areas of interest. Topics covered could include Dreamweaver, Flash, Photoshop, Visual Basic, and C++. Students will also create the school calendar for the next year.

Business Law

Grade: 11-12

Prerequisites: None

2 Semesters

Men and women in business today find themselves in an environment that is increasingly subject to laws and regulations. Anyone contemplating a career in the business world cannot escape the legal environment of business, and knowledge of that legal environment can only help the future businessperson become better at whatever job is undertaken. At the completion of this course, a student will be able to: Identify the fundamental principles of the U.S. legal system, Describe and discuss the laws which apply to business persons, Explain the terminology associated with business law, Give examples of realistic and practical applications of legal concepts, Research, analyze, and interpret case law, Examine and discuss cases currently before the courts.

Business Technology

Grade: 10-12

Prerequisites: None

2 Semesters

This class was created in order to give students the opportunity to research, evaluate, and have exposure to some of the technology that is used in the business world today.

Computer Applications II

Grade: 9-12

Prerequisites: Computer Applications I from 8th Grade

2 Semesters

This course is designed to better acquaint students with the software and hardware packages available to them through IBM compatible computers. Students will be able to understand how computers can be used in the work force. Students will use the most current Windows operating system. Students will be familiar with the most current Office Suite. Students will do numerous exercises with Access, Excel, Publisher, and PowerPoint. Students will be able to edit WebPages with Dreamweaver. Students will use Webmail.

Operating Systems/Networking

Grade: 10-12

Prerequisites: None

2 Semesters

This course is designed to expose students to all of the basics of what makes up a network. We will also cover what makes a computer run as well as learn the different parts within the computer. Throughout the year students will help troubleshoot and fix computers throughout the school.

Personal Finance

Grade: 11-12

Prerequisites: None

2 Semesters

Students will be exposed to real life situations including: Resumes, Career Exploration, Banking, Credit, Purchasing Homes, Automobiles, Insurance, Investments, Retirement funds, Paying for College, Affording College, Renting Apartments, Taxes, Credit Cards, Long-term and Short-term Financial Goals, Providing for a Family, Dealing with Everyday Financial Activities and thinking about how life will be different when they are financially independent of their parents.

English

Advanced Speech

Grade: 10-12

Prerequisites: English I & II

2 Semesters

In this course we will study principles of effective speech communication. We will work on research and organization for public speaking and study theories of interpretation. There will be an emphasis on the competitive speech events.

Applied Communication

Grade: 12

Prerequisites: English I, II & III

2 Semesters

This course will include the study of literature about life and work, with special emphasis on the qualities connected with the Character Counts program. The text is a collection of fiction, poetry, nonfiction, and drama that focuses on the attitudes and personal qualities that build a foundation for success in life and work. A grammar text will be used to reinforce grammar, usage, mechanics, definitions, and composition. A vocabulary text will be included to improve and expand the student's vocabulary. Additional text will be used as supplements to the literature text. A short research paper is required to prepare students for doing research and writing at a higher level.

English I

Grade: 9

Prerequisites: None

2 Semesters

This course will include the study of the short story, drama, nonfiction, poetry, the epic, and the novel. We will also include a comprehensive study of grammar and writing and a year-long study of vocabulary and spelling. A unit on mythology will also be covered in the fourth quarter. The novels "The Lord of the Flies" and "Animal Farm" will be read and discussed by the class. A writing program called "Steps" is also required.

English II

Grade: 10

Prerequisites: English I

2 Semesters

This course will include the advanced study of the short story, drama, nonfiction, poetry, and the novel. We will also cover a comprehensive study of grammar and writing, and a year-long study of vocabulary and spelling. Students will be required to research and write a 5-6 page paper and give an oral summary of their paper to the class. The novels "To Kill a Mockingbird" and "A Separate Peace" will be read and discussed by the class.

English III

Grade: 11

Prerequisites: English I & II

2 Semesters

During the first semester of this course, we will conduct an overview of American Literature including emphasis on Nebraska authors. There will be heavy emphasis on formal writing with some practice writing in different genres. Furthermore, we will work to improve our speaking, listening, thinking, and reading skills. The second semester will focus on speech and will include a short research paper.

English IV

Grade: 12

Prerequisites: English I, II & III

2 Semesters

In this course, we will study a variety of literature with emphasis on British Literature. There will be emphasis on research and formal writing. We will also practice writing in different genres. Furthermore, we will work to improve our speaking, listening, thinking, and reading skills.

Yearbook

Grade: 11-12

Prerequisites: None

2 Semesters

Students will develop skill in the electronic procedures of producing and editing an annual yearbook. Students will create, format, illustrated, design, layout, edit/revise and produce a hardcover book each year. Students will use a variety of cameras and programs to take, edit, and scan photographs. Students will administer a variety of school approved methods to finance their publication, and finally they will sell the book to the general public. Repeating the course as a senior is encouraged with the approval of the instructor. Class size is limited.

Creative Writing

Grade: 9-12

Prerequisites: None

2 Semesters

Through creative writing, students will develop their composition skills, as well as a knowledge, understanding, and appreciation of the writing process. Writing genres include poetry, fiction, and non-fiction used primarily to express the interests and emotions of the writer. Students will also keep a writing portfolio of their writing which will be evaluated at the end of each semester. The texts used will be The Creative Writing Book by Carol Whiteley, Expository Composition by Gina Enk, and Improving Your Writing by Pamela Rice Hahn.

Family & Consumer Science

Clothing & Textiles

Grade: 9-12

Prerequisites: None

1 Semester

Study of the many aspects of clothing selection, construction and care, including textiles. Topics covered: Elements & Principles of Design, Clothing Selection, Textile Creation, Selection, Design, Clothing Construction (How to Sew), Clothing Care and Repair

Health Science Careers

Grade: 10-12

Prerequisites: None

2 Semesters

Study of the information and skills required of professionals in the field of Health Care. Topics covered: Communications, Health Systems, Employability Skills, Legal Responsibilities, Ethics, Safety Practices, Technical Skills and Information Technology. Health Science Careers is part of a three year program for students interested in health science careers.

Housing & Home Furnishings

Grade: 9-12

Prerequisites: None

1 Semester

Study of the many aspects of clothing selection, construction and care, including textiles. Topics covered: Housing & Human Needs, Elements & Principles of Design, Structure of a House, Housing Selection, Floor Plans, Furniture Design and Selection, Designing & Furnishing a Room, Housing Financial Considerations

Human Relations

Grade: 9-12

Prerequisites: None

2 Semesters

Study of the many aspects of a person's personality. Topics covered: Personality Development, Relationship Principles, Communication, Cultural & Racial Diversity, Family Relationships Independent Living & Decision Making, Budgeting, Spending, Saving, Apartments & Other Housing, Basic Food Preparation, Insurance

Nutrition & Food

Grade: 9-12

Prerequisites: None

2 Semesters

Study of food, its preparation, and its effect on the human body. Topics covered: The Six Nutrients, Meal Planning, Appliances & Equipment, Food Buying, Microwave Cooking, The nutrition, preparation & attributes of: Fruits, Vegetables, Grains, Milk, Cheese, Eggs, Meats, Poultry, Fish, Breads, Foreign Foods

Parenting & Child Development

Grade: 11-12

Prerequisites: None

2 Semesters

Study of the many phases of childhood and the corresponding phases of parenthood. Topics covered: Decision to Parent, Pregnancy & Childbirth, The Newborn, Physical & Intellectual Development of Infants, Preschoolers, School Age Children, Adolescents

History

American History II

Grade: 11

Prerequisites: World History or Economics/Geography

2 Semesters

This course will study several aspects of United States history. The emphasis will be placed on the political and social development of the United States from the 14th century to the present day.

Economics

Grade: 9-10

Prerequisites: None

1 Semester

This course will study several aspects of the economy, both world and American. We will understand how the economy works and the factors that affect the economy daily. We will be working with graphs, charts, and other types of diagrams.

Geography

Grade: 9-10

Prerequisites: None

1 Semester

This course will study the earth's physical features as well as the ways humans, animals, and plants interact with the world around them. We will be using graphs, maps, and charts to study these different features.

Government

Grade: 12

Prerequisites: World History or Economics/Geography, American History II

2 Semesters

This course will focus on the governing process in a variety of forms. The majority of the course will be devoted to studying the democratic process, in particular the democratic process in the United States.

Psychology

Grade: 12

Prerequisites: None

2 Semesters

This is a course a student can take for high school credit, college credit, or both. It is set for seniors. In this class we study human behavior. This introduction to Psychology includes the study of learning theory, memory, personality, growth and development, neurological aspects, abnormal behavior, therapies, intelligence, motivation, emotion, sensation, perception, and theoretical perspectives.

World History

Grade: 9-10

Prerequisites: None

2 Semesters

In this class we shall study the history of the world. We will track civilizations as they grow and progress from the dawning of prehistory up to our contemporary world of today. We will be working with maps, charts, and timelines as well as other beneficial diagrams. We will also look at things going on in the world today through the use of newspapers, magazines, T.V., etc. It is through the study of yesterday, combined with a look at the world of today, from which we will attempt to understand our world.

Math

Algebra 1

Grade: 9-12

Prerequisites: None

2 Semesters

Algebra 1 is designed to study the aspects of written problems in one or more unknowns. The use of logic and understanding will be used throughout the course.

Algebra 2

Grade: 10-12

Prerequisites: Algebra 1 & Geometry

2 Semesters

Algebra 2 is designed to strengthen each student's algebra knowledge with extensive review and added difficulties. It gives the student a deeper view of the use of algebra.

Business Math

Grade: 11-12

Prerequisites: Algebra I, Geometry

2 Semesters

Math with Business Applications is a comprehensive course that covers all the skills students need to manage their personal finances and excel at their first jobs and in everyday life. Math with Business Applications is a three-part program that takes students from basic math concepts to sophisticated financial strategies. Basic Math Skills reviews the fundamental math operations, Personal Finance teaches money management skills, and Business Math provides a thorough primer on launching and running a business. Math with Business Applications contains lessons, workshops, features and activities.

Calculus

Grade: 12

Prerequisites: Algebra I & II, Geometry, Trigonometry

2 Semesters

Calculus will cover the study of limits, differentiation and integration of a single variable functions, and their applications.

Geometry

Grade: 9-12

Prerequisites: Algebra I

2 Semesters

This course is designed to fill the basic needs for logic and understanding needed to advance in Math today and in the future. Students will practice logical thinking. Students will show how to relate and explain answers to problems in a logical sequence (called a proof). Students will learn how to explore and reason in Geometry. Students will learn about parallels and polygons, triangle congruence, perimeter and area, shapes in space, surface area and volume, similar shapes, circles, trigonometry, taxicabs, fractals, and a closer look at proof and logic.

Trigonometry

Grade: 11-12

Prerequisites: Algebra I & II, Geometry

2 Semesters

Pre-calculus will cover the following topics, but is not limited to them.

The study of axioms, sets, functions, equations, inequalities, matrices and determinants, exponents, logarithms, trigonometric functions, trigonometric analysis, and theory of equations.

Applied Math I

Grade: 9

Prerequisites: None

2 Semesters

This course includes concepts found in general mathematics and beginning algebra with emphasis on problems and lab experiences which have everyday relevance. Concepts include using ratio and proportion, powers and roots, and formulas to solve problems.

Applied Math II

Grade: 10-12

Prerequisites: Pre-Algebra/Algebra I

2 Semesters

This course includes concepts found in first-year algebra with emphasis on problems and lab experiences which have everyday relevance. Concepts include using linear and nonlinear equations, graphing, factoring, function, quadratics, systems of equations and inequalities to solve problems.

Applied Math III

Grade: 11-12

Prerequisites: Algebra I/Geometry

2 Semesters

This course includes concepts found in first year geometry with emphasis on exploring basic relationship through informal proofs and making conjectures by utilizing manipulatives, geometry tools and technology, and applying geometry to real world situations throughout the course. Concepts include the study of lines and angles, right triangle relationships, shapes in two and three dimensions, logic, coordinate geometry, transformations and spatial visualization.

Music

Varsity Band

Grade: 9-12

Prerequisites: None

2 Semesters

Students in grades 9-12 with proven band instrument skills are eligible to participate. All band members are part of the concert band, marching band, and pep band. Jazz band is an auditioned group of the best instrumentalists. Soloists and small ensembles are open to all members at the time of preparation for District Music Contest in the 2nd Semester.

Varsity Choir

Grade: 9-12

Prerequisites: None

2 Semesters

Students in grades 9-12 with an interest in singing are eligible to participate. All chorus members are part of the mixed chorus, girls ensemble, and boys ensemble. A Swing Choir of extremely talented singers that students generate and lead the group is possible each year. Soloists and small ensembles are open to all members at the time of preparation for District Music Contest in the 2nd Semester.

Physical Education

PE I

Grade: 9

Prerequisites: None

2 Semesters

Students will learn techniques of flexibility, form running, agility, ballistic training and plyometric training. Students will develop and maintain strength, vitality, speed, and coordination as components of good physical fitness. Students will develop and improve motor skills. Students will explore more individual interests in choosing lifetime activities. Students will develop a sense of self worth through cooperation and fair play. Students will develop self-expression, poise, and creativity through physical activity. Students will continue to learn sport activities. Students will explore the rules and strategy of sport activities. Students will accept personal responsibility for health and safety for themselves and others. Students will study and practice the following activities: bowling, Cardio Pulmonary Resuscitation, presidents challenge physical fitness test, volleyball, football, basketball and track.

PE III

Grade: 10-12

Prerequisites: PE I

2 Semesters

This course will include activities and sport skills that will be used during your lifetime. The students will lift weights during this course to improve technique and strength. Leisure sports are used to enhance sport participation for years to come. Individual skills and partner activities are used during the lifetime sports units.

Science

Biology

Grade: 10

Prerequisites: Physical Science

2 Semesters

Biology is the study of living things and how they relate to their environments. Topics covered over the course of the year are biomes, heredity, organic molecules, animal types, and animal behavior.

Chemistry

Grade: 11-12

Prerequisites: Physical Science & Biology

2 Semesters

Chemistry is a full year science class usually taken by juniors but is occasionally taken by seniors. The course is designed to prepare students to do well in a college chemistry class. It covers the nature of atoms and molecules, how and why chemicals react, and the scientific laws that determine how chemicals behave. The class is also designed to help students develop their ability to think abstractly and critically.

Medical Terminology

Grade: 10-12

Prerequisites: Physical Science

2 Semesters

Medical terminology is a year-long class that studies the words parts that make up medical terms and conditions. Medical terminology is part of a three year program for students interested in health science careers.

Physical Science

Grade: 9

Prerequisites: None

2 Semesters

Physical Science is a year-long science class that explores studies chemistry concepts in one semester and physics in the following semester. Physical science is a 9th grade required science class.

Physics

Grade: 12

Prerequisites: Physical Science & Biology

2 Semesters

Physics is a full year science class usually taken by seniors. It is highly recommended that the student has taken chemistry. The course is designed to prepare students to do well in college science classes. It covers the laws of motion, gravity, electromagnetism, and introduces students to relativity and quantum mechanics. The material often takes an historical approach and points out the connections of scientific discoveries and historical events. Problem solving and critical thinking are emphasized. Good mathematical skill is desirable.

Physiology

Grade: 11-12

Prerequisites: Physical Science & Biology

2 Semesters

Physiology is the study of how the human body works. Throughout the year the systems are examined one at a time to get a complete image of the human body and how it works. Physiology can be taken as a junior or senior. It is highly recommended to take chemistry first.

Intergrated Science

Grade: 11th

Prerequisites: Physical Science and Biology

2 Semesters

Intergrated Science will be a refresher science class that reviews Earth Science, Physical Science, and Biology. It will show students how science works, how scientists approach problems, and why science constantly evolves in its search for understanding. This class will help students that are not taking Chemistry be prepared for the state science assessment.

Spanish

Spanish I

Grade: 9-12

Prerequisites: None

2 Semesters

First year Spanish introduces vocabulary around the themes of: meeting people, polite conversation, classroom and school life, family and friends, weather terms, transportation and Spanish and Mexican foods. Students learn how to create sentences, work with parts of speech and do original writings in Spanish. There is daily practice on pronunciation and improving speaking skills.

Spanish II

Grade: 9-12

Prerequisites: Spanish I

2 Semesters

Second year Spanish expands vocabulary around the themes of: polite conversations, the city, transportation, leisure time activities, shopping, vacation sites, hotels, apartment living and health. Having learned introductory grammar, students are introduced to the past and future tense as well as compound tenses. Practice is done individually as well as in partner and small group setting. There is daily practice on enhancing pronunciation and verbal communication.

Spanish III and IV

Grade: 10-12

Prerequisites: Spanish I & II

2 Semesters for each class

Third and fourth year Spanish students have more opportunities for creative expression through speaking, role-playing, acting and writing. They gain further control of expressing themselves utilizing several different verb tenses. They are guided original

Agriculture Education

Introduction to Agriculture

Grade: 9

Prerequisites: None

2 Semesters

(Foundation course) This is a core course for the Agriculture, Food, and Natural Resources Career Cluster which will build a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agricultural careers, products, resources, and leadership skills including animal science, plant science, public speaking, parliamentary procedure, range management, dairy cattle and livestock selection, food science, and record keeping. It is intended to combine classroom instruction, supervised agricultural experience, and activities in the FFA organization to prepare students for careers.

Livestock Production

Grade: 10

Prerequisites: Introduction to Agriculture

1 Semester

This course focuses on the basic scientific principles and processes that are involved in the livestock industry. The course includes lessons about animal classification, animal physiology, breeding and reproduction, nutrition and health, livestock trait selection, and general animal care. Learners will also be exposed to career opportunities in the livestock industry.

Crop Production

Grade: 10

Prerequisites: Introduction to Agriculture

1 Semester

This course focuses on knowledge, information, and skills related to the science of plant production and agronomy. Learners will be exposed to skills for careers in horticulture, agricultural production and management, and science. Topics include taxonomy and crop identification, growth and reproduction, biotechnology and research, nutrition and chemical use, pest control, and soil conservation.

Wildlife Management

Grade: 11-12

Prerequisites: Introduction to Agriculture

1 Semester

This course emphasizes how humans and animals may both take advantage of the same land without depleting natural resources or plant and animal populations. learners will be exposed to careers in wildlife management, principles of zoology, principals of ecology, the history of wildlife management in America, requirements of wildlife habitats, wildlife population control, endangered and threatened species of wildlife, conservation of natural resources, and outdoor recreational management.

Introduction to Veterinary Medicine

Grade: 11-12

Prerequisites: Livestock Production

1 Semester

This course introduces students to the basics of animal care and animal physiology. Topics covered include basic cell biology, tissue types and functions, musculoskeletal system, circulatory system, respiratory system, renal system, digestive system, reproductive system, nervous system, endocrine system, immune system, basic nutrients, diseases and parasites, and principles of surgery.

Leadership

Grade: 11-12

Prerequisites: Introduction to Agriculture

1 Semester

This course is designed to help students develop interpersonal skills and employment skills. Students will develop skills in such areas as stress management, time management, communication, conflict handling, and team building. Students will also learn concepts such as leadership styles, decision making, problem solving, goal setting, self-concept, attitudes, and work ethic.

Landscaping

Grade: 11-12

Prerequisites: Crop Production

1 Semester

This course is designed to provide students with a basic understanding of landscape design, landscape plant use and function, landscape plant identification, and customer service skills. Students will gain experience through a hands-on landscape project.

Beginning Woods/Metals I

Grade: 9-10

Prerequisites: *12 student cap on class size

*Students who have not previously had class will have priority

*Materials for this class will be provided by the student

2 Semesters

The beginning woods section of this class is taught the first semester. The class is designed to provide knowledge of safety procedures, proper tool usage, lumber selection, project design and planning, and basic woodworking techniques. Students will practice and enhance skills by building an assigned project.

The beginning metals section of this class is taught the second semester. The class is designed to provide knowledge of safety procedures, proper welder usage, project design and planning, and basic welding techniques for shielded metal arc welding, oxy-acetylene welding, and metal inert gas welding. Students will practice and enhance skills by completing all welding modules.

Advanced Woods/Metals II

Grade: 11-12

Prerequisites: Beginning Woods/Metals I

*12 student cap on class size

*Students who have not previously had class will have priority

*Materials for this class will be provided by the student

2 Semesters

The advanced woods section of this class is taught the first semester. The class is designed to enhance knowledge of safety procedures, proper tool usage, lumber selection, project design and planning, and advanced woodworking techniques. Students will build a personal project of choice.

The advanced metals section of this class is taught second semester. This class is designed to enhance knowledge of safety procedures, proper welder usage, project design and planning, and advanced welding techniques for shielded metal arc welding, oxy-acetylene welding, and metal inert gas welding. Students will practice advanced skills by completing all welding modules. When skills are mastered, students will build a personal project of choice.