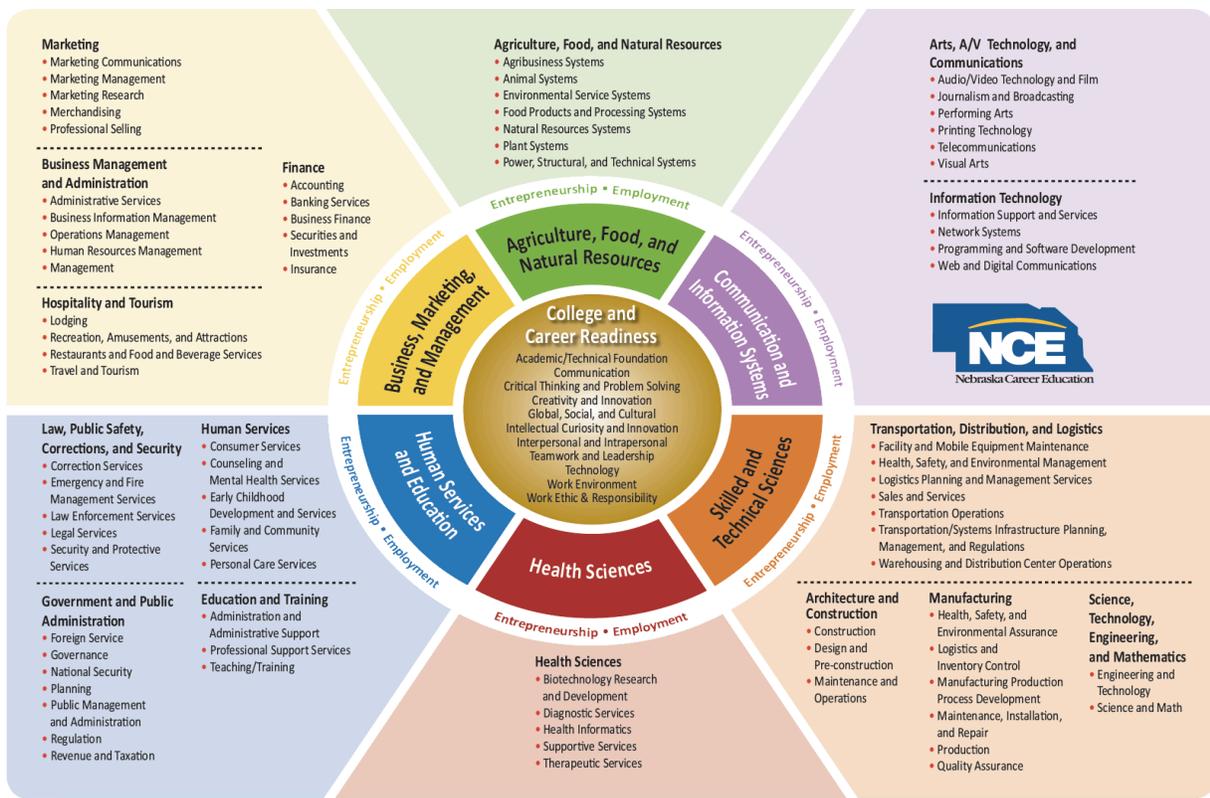


Humphrey High School Course Booklet 2017-2018



Humphrey High School's mission is to provide quality educational opportunities in a supportive environment.



The course description information in this booklet is designed to help you learn more about courses that will/may be offered at Humphrey Public Schools. There are two types of courses within this course booklet. There are required courses and electives. Required courses are not optional; you must take them in order to meet graduation requirements. Elective courses are not required. Humphrey 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. Included above is Nebraska's Career Clusters and Pathways chart. This information can help a student understand what path he/she should be heading.

Humphrey Public Schools is part of Network Nebraska, a program that allows students to receive classes from schools and colleges throughout Nebraska using the interactive television network, also called distance learning. Students will be able to take classes that are not offered at Humphrey Public Schools. We correlate classes with over 90 statewide schools and Central Community College. The program also gives Humphrey Public Schools an option to offer classes from our teachers to the program. For additional information regarding this program, please contact the school principal or counselor.

You are encouraged to take this handbook home and look it over with your parents. 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 school 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.

Some classes change each year based on set rotations and required courses. Keep in mind that if a student has failed a required class, it may not be possible to schedule that individual in the required course that 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.

REGISTRATION INFORMATION

A. General Information

1. A pre-requisite is a subject required before you can take certain other subjects. Please note if consent of the instructor is needed. Example: Algebra is a pre-requisite for Geometry.
2. Students who register for modern languages, should complete two courses. One course does not give sufficient background to enable the student to use the skill taught.
3. Students should fill in all spaces on the registration form.
4. Class enrollment will be limited in some areas because of size. Priority will be given to *first year students* enrolling in Advanced Woods and students will be limited to taking only two years of Advanced Woods.
5. Students will be screened for some classes offered at St. Francis.
6. Students who are members of FFA **MUST** take one semester of an AG ED class.

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 choose 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

9th Grade	10th Grade	11th Grade	12th Grade
English 9	English 10	English 11	English 12/College English
Physical Science	Biology	Science	Math or Science
Math	Math	Math	American Government
Info Tech/Intro to Business	Modern World History/Geography	American History	
PE/Health			

GRADUATION REQUIREMENTS: 235 credit hours to include:

Required: 155 Credit Hours

40 Hours	English	30 Hours	Math
30 Hours	Science	30 Hours	Social Science
10 Hours	PE/Health	10 Hours	Info Tech/Intro Bus
5 Hours	Career Planning		

Electives: 80 Credit Hours

COURSE OFFERINGS

AGRICULTURE EDUCATION

Introduction to Environmental & Agricultural Sciences I & II (1 semester each)

Each course below is 1 semester in length

Agribusiness Systems	Animal Systems	Plant Systems	Natural Resource Systems	Power, Structural, Technical Systems	Food Products & Processing Systems
Human Relations	Introduction to Animal Science	Introduction to Plant Science	Introduction to Natural Resources	Welding	Food Science
Leadership	Large Animal Management	Advanced Plant Science	Wildlife Management		
Agribusiness	Companion Animals				
	Veterinary Science				

Introduction to Environmental & Agricultural Sciences I

This is a semester long class that serves as an orientation to an introduction in the Environmental and Agricultural Sciences Career Pathway. This class develops basic agriculture literacy and is a foundation for further coursework. This class is strongly encouraged for freshman and new FFA members. The course includes a study of the National FFA Organization, leadership, basic record keeping, animal science, plant science, and basic welding.

Recommended for: 9-10th Grade

Introduction to Environmental & Agricultural Sciences II (Spring)

This is a semester long class that serves as additional orientation to and introduction in the Environmental and Agricultural Sciences Career Pathway. This class develops a basic agriculture literacy and is a foundation for further coursework. The course includes a study of the soil science, natural resources, basic record keeping, leadership, small animal care, food science and basic welding.

Recommended for: 9-10th Grade

Leadership

This is a yearlong course for advanced study in the area of leadership. This class is designed to develop leadership skills necessary for personal and career success. The class includes a study of leadership, types of leadership, goal setting, problem solving, public speaking and several other topics. The class also develops interpersonal skills necessary for personal and career success.

The class includes a study of personality type, values, communication, learning characteristics, time management, and conflict resolution.

Recommended for: 10-12th Grade

Metals /Welding

This is a semester long class for students interested in metal science and development of welding skills. The class develops fundamental training in SMAW, GMAW, and Oxyacetylene welding and Plasma and Oxyacetylene cutting. This focuses on opportunities in welding careers, laboratory safety, basic welding processes, and welding and cutting skill development.

Depending on the student's speed and level of skill development in the course, a metals project may be built and completed. Proper clothing such as leather boots are required for class. This class is offered with Small Engines.

Recommended for: 10-11th Grade

Food Science (2017-18) (FALL)

This is a semester long class for the study of the area of food science and related careers. This class introduces students to the science of food and food processing and production. Students will learn the scientific principles involved in the food industry including food science, food processing, microbiology, toxicology, regulations concerning the protection of the food supply. This class is offered with Agribusiness.

Recommended for: 11-12th Grade

Agribusiness (2017-18) (SPRING)

This is a semester long class for the study of the area of agribusiness and related careers. This class is designed to develop business skills necessary for a career in agriculture. The class

includes a study of record keeping, financial statement analysis, sales, marketing, advertising, business types, and agricultural law. This course also includes the study of owning and operating a business enterprise with emphasis placed on planning, organizing, financing, and managing a small business. This class is offered with Food Science.

Recommended for: 11-12th Grade

Introduction to Plant Science (2017-18) (FALL)

This is a semester long class for the study of plants and soils and related careers. This course includes an introduction to plant science, basic plant processes, plant growth and development, basic soil science, and soil conservation. This class is offered with Advanced Plant Science.

Recommended for: 10-12th Grade

Advanced Plant Science (2017-18) (SPRING)

This is a semester long class for the advanced study of plants and soils and related careers. This course includes a study of crop science, horticulture plants, landscape design and maintenance and basic principals of floriculture. This class is offered with Introduction to Plan Science.

Recommended for: 10-12th Grade

Companion Animals (2017-18) (FALL)

This is a semester long class designed for the study of companion animals and related careers. This course includes small animal care and management, breed identification, disease identification and management, and zoo animal care. This class is offered with Vet Science every other year, alternating with Introduction to Animal Science/Large Animal Management.

Recommended for: 11-12th Grade

Veterinary Science (2017-18) (SPRING)

This is a semester long class designed for the study of veterinary science and related careers. This course introduces students to the basics of animal care. Topics covered include diseases, parasites, nutrition, reproduction, veterinary terminology and equipment, grooming, and general animal care. This class is offered with Companion Animals every other year, alternating with Introduction to Animal Science/Large Animal Management.

Recommended for: 11-12th Grade

Introduction to Natural Resources (2018-19) (FALL)

This is a semester long course for advanced study of natural resource management and related careers. The class focuses on natural resource management, water conservation, soil science, forestry, pollution, and government policy. This class is offered with Wildlife Management every other year, alternating with Introduction to plant Science/Advanced Plant Science.

Recommended for: 10-11th Grade

Wildlife Management (2018-19) (SPRING)

This is a semester long class for the study of wildlife management and related careers. The class consists of examining fish and wildlife species, management practices, ecology, hunting and fishing regulations and government policy. This class is offered with Introduction to Natural Resources every other year, alternating with Introduction to Plant Science/Advanced Plant Science. **Recommended for:** 10-11th Grade

Introduction to Animal Science (2018-19) (FALL)

This is a semester long class designed for advanced study of animal science and livestock production. The class is designed using the scientific approach of the study of agricultural animals. Special emphasis is placed on anatomy and physiology, reproduction, genetics, breeding, nutrition, health, safety, and biotechnology. This class is offered with Food Animal Management every other year, alternating with Companion Animals/Equine Science.

Recommended for: 11-12th Grade

Large Animal Management (2018-19) (SPRING)

This is a semester long class designed for the study of food (large) animals and related careers. This course places special emphasis on production and management of beef, swine, sheep, horse, dairy cattle, and poultry. This class is offered with Introduction to Animal Science every other year, alternating with Companion Animals/Veterinary Science.

Recommended for: 11-12th Grade

ARTS AND PERFORMING ARTS

Art I (At St. Francis)

Art I is designed for those students who are developing a serious interest in art. The class is divided into the following units: elements of art, drawing and composition, printmaking, sculpture, ceramics, painting, and crafts. Art history is included in all units with students studying artists, their work, and art movements associated with the particular unit. Humphrey School District #67 pays tuition for each class a student attends at St. Francis High School. Students will be required to display their best behavior while attending these classes, or they will be expelled for the class and found an alternate activity.

Art II (At St. Francis)

Art II is a course designed for the serious art student. Emphasis is placed on developing the skills of a particular art technique or techniques in which the student has special interest. A unit on the principles of design is incorporated into this highly individualized course as well as a more in-depth study of art history. Field trips to local galleries and museums will be a part of the course, which will supplement the student's art study. Humphrey School District #67 pays tuition for each class a student attends at St. Francis High School. Students will be required to display their best behavior while attending these classes, or they will be immediately removed from the class and enrolled in a more appropriate class at Humphrey Public Schools.

Prerequisite: Satisfactory completion of Art I

Art III (At St. Francis)

Art III is a self-directed, individualized program for creative expression. In this program, the student and the teacher establish a course to meet the personal creative goals of the student. This program is set up for the serious art student who has exhibited exceptional ability and who wishes to pursue a career or lifetime hobby in the arts.

Prerequisite: Art II and permission of the instructor.

Band

The senior high band will study a number of styles of music. Required activities include major concerts such as the Christmas and spring concerts, the Conference Band Clinic, and the District Music Contest. Band students may audition for Honor Bands and All-State Band. Students in grades 7-12 may join high school band. This class is an elective class for grades 7-12. Only students serious about performing with the band should take this class. Students lacking the basic skills necessary may need to schedule private lessons with the instructor before being admitted to the band. The instructor reserves the right to deny a student's participation if they display behavior deemed inappropriate. While the parents purchase most instruments, the school does have some instruments on hand for rent. Students that use school instruments will be charged a rental fee of \$20.00 per semester. The school will try to have supplies needed by the students (i.e. reeds, oil, etc.) for their purchase as needed. Students may be limited to auditions and financial support from the school.

Class Size: Unlimited

Prerequisite: Permission of Instructor

Vocal Music

Students in grades 9-12 may join vocal music. Emphasis is placed on utilizing vocal techniques to achieve tone projection and articulation needed for performance. The mixed chorus participates in the Cornhusker Conference Clinic, the District Music Contest and concerts during the year. Individuals in chorus may also choose to audition for Honor Choirs and All-State Chorus. This class is an elective class for grades 9-12. Only students serious about performing with the choir should take this class. Students lacking the basic skills necessary may need to schedule private lessons with the instructor before being admitted to chorus. The instructor reserves the right to deny a student's participation if they display behavior deemed inappropriate. Students may be limited to auditions and financial support from the school.

Class size: Unlimited

Prerequisite: Permission of Instructor

BUSINESS

Business and Technology

Programs of Study	1st Course	2nd Course	3rd Course
Law	Introduction to Business, Marketing, & Management	Accounting 1	-
Entrepreneurship	Introduction to Business, Marketing, & Management	Accounting 1	Entrepreneurship
Financial Management	Accounting 1	Accounting 2	-
Accounting	Personal Finance	Accounting 1	-
Economics	Economics	Accounting 1	-

Information Technology	Information Technology 1	Information Technology 2	Web Design
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Accounting 1 (Year)

This two-semester course covers sole proprietorship accounting principles involved in the preparation and maintenance of financial records concerned with business management and operations. It is a comprehensive introduction to basic accounting including recording, summarizing and reporting, principles of income measurement and asset valuation, and accounting systems and controls. Students are exposed to careers in the accounting field and are given the opportunity to perform accounting applications using the computer. An introduction to partnerships and corporations may be included.

Recommended for: 10-12th Grade

Accounting 2 (Year)

This is a two-semester course that includes partnership and corporate accounting, adjustment in inventory control systems, budgetary control systems, and further enhancement of accounting skills.

Recommended for: 11-12th Grade

Prerequisites: Accounting 1

Business Law (Semester)

A course designed to present the study of the legal rights and responsibilities necessary to be informed and productive citizens. Key concepts include contracts and torts, the role of courts, litigation, and constitutional issues including civil and criminal law.

Recommended for: 10-12th Grade

Careers (Semester)

Students learn and apply the career and college planning process using the Nebraska Career Education Model and related resources. Students will identify personal interests, skills, values, and then apply this knowledge to both academic and career decision-making. Students will demonstrate progress/proficiency in Nebraska Career Readiness Standards of Practice, which are current expectations in today's workplace. Students will activate the planning process by setting goals, developing and implementing a Personal Learning Plan, for effective transition from high school to most appropriate post secondary education based on knowledge of self, career goal and financial considerations.

Required for: 11th Grade

Computer Programming (Semester)

Computer Programming is an introduction to programming. Students learn to use a variety of programming languages such as JavaScript to program drawings, animations, games etc. Course concepts include: problem solving techniques, program design, control structures, functions, loops, data structures and algorithms. The course uses the Khan Academy computer-programming curriculum.

Recommended for: 10-12th Grade

Entrepreneurship (Semester)

Entrepreneurship is a course designed for students with a career interest in entrepreneurship. Emphasis is placed on the evaluation of the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The role of entrepreneurial businesses in the United States and the impact on the national and global economy will be explored. Students will develop a business plan.

Recommended for: 10-12th Grade

Information Technology 1 (Semester) (formally known as Computer Applications 1)

Information Technology 1 prepares students to master effective and professional business communications using the Microsoft Office applications: Word (document), Excel (spreadsheet), and PowerPoint (presentation). Students will explore emerging technologies as it applies to their success for high school, college, and career. Career paths in the Information Technology Career cluster will be explored. Students will demonstrate positive cyber citizenship by applying industry accepted ethical practices and behaviors.

Required for: 9th Grade

Information Technology 2 (Semester) (formally known as Computer Applications 2)

This course will focus on skill development in advanced spreadsheet (Excel), database (Access), integration of applications utilizing advanced features, and exploring web technologies. Students will use critical thinking skills to integrate information technology tools to access, manage, and create new information.

Recommended for: 10-12th Grade

Prerequisites: Information Technology 1 (formally known as Computer Applications 1)

Introduction to Business, Marketing, & Management (Semester)

This course is designed as an introductory overview of the Business, Marketing, and Management Career Field. Units of study include economic systems, forms of business ownership, management, marketing, and accounting. Career opportunities will also be explored.

Required for: 9th Grade

Personal Finance (Semester)

The goal of personal finance is to help students become financially responsible, conscientious members of society. This course develops student understanding and skills in money management; budgeting; financial goal attainment; use of credit; insurance; investments; and consumer rights and responsibilities.

Recommended for: 10-12th Grade

Web Design (Semester)

Students will demonstrate knowledge of web design and languages, including HyperText Markup Language (HTML) and Cascading Style Sheets (CSS) to create a content rich and visually pleasing website that captures and keeps visitors' interests. Focus will be given to effective page layout, image, creation and manipulation, interactivity, content creation, and project management.

Recommended for: 10-12th Grade

FAMILY AND CONSUMER SCIENCE

Adult Living

This is a financial literacy course that provides students with the tools to take charge of their personal financial well-being and to make sound financial decisions. Units of study include budgeting, credit, insurance, savings and investments, home ownership, banking and taxes. Life/work literacy concepts such as workplace issues and community resources are examined. This course also covers relationships including an evaluation of personal values and goals; analysis of human relationship, marriage and parenting; understanding of physical aspects and responsibilities of adulthood; family management; family life cycle and societal issues.

Class Limit: 12

Recommended for: 11-12th Grades

Child Development

The class will be based on the interpersonal relationships involved in the development of a human being from conception to age six. Students will learn how the children grow and develop physically, intellectually, socially, and emotionally. Through each stage of development the students will also learn the importance of developing skills to meet the child's needs. Students will explore parenting styles and discipline techniques.

Some of the requirements of the class are regular visits to a local preschool and the "Baby Think It Over" project.

Class Limit: 12

Recommended for: 10-12th Grades

Creative Living (Semester) (FALL)

Students in this course will gain knowledge and skills in home living and family action. Units will focus on skills needed by all family members. These include purpose of family, family and personal relationships, human development, parenting, child development, food and nutrition, housing and living environment, clothing needs, clothing purchase and construction, and resource management. Students will be required to cover the cost of one clothing project.

Class Limit: 12

Recommended for: 9th Grade or Permission of Instructor

Culinary Arts

Culinary Arts focuses on food service and the artistic presentation of foods. Students will be involved in preparation steps ranging from meal planning to adding that last garnishing touch, building on the knowledge and skills learned by successful completion of a previously-taken Foods & Nutrition class. Research and incorporation of regional and/or foreign foods will add cultural interest. Skills in food decorating will be introduced and developed.

Foods/Nutrition

This course will include a study of basic culinary arts. Students will be taught basic cooking techniques. Different units will include: quick and yeast breads, meat preparation, pastas, soups, salads and desserts. A multicultural unit on ethnic foods will also be taught. This course also focuses on the investigation and knowledge of six nutrients. Students will prepare food that demonstrates an understanding of the six nutrients. Students will research the factors involved in living a healthy lifestyle and how it might change during life. Students will

examine ideal weight, eating disorders and fad diets. Meal planning, management, and food storage will be included as well as purchasing.

Class Limit: 12

Recommended: 10-12th Grade

Housing/Interior Design (Semester) (FALL)

The history and design of housing through the eras will be researched. Housing structures will be distinguished and identified. Students will explore the social, environmental and personal values, and the wants and needs in selecting or designing a home and will examine financial factors involved in selecting housing. Students will learn the principles and elements of interior and exterior decorating. Students will develop and evaluate floor plans. Hands-on application will result in a portfolio of the student's creation.

Class Limit: 12

Recommended for: 9-12th Grades

Teen Living (Semester) (SPRING)

Students will have the opportunity to explore family and consumer sciences areas of relationships, housing design, foods and nutrition, clothing construction, and consumerism. This is a hands-on course filled with project based unit assessments. Students will find themselves busy designing a room, preparing nutritious meals, sewing a project, and along with completing a sewing project.

Textiles (Semester) (SPRING)

This course will provide the student with the opportunity to use fabrics, fibers, and other materials such as wood and wire to express their creativity. The student will develop skills that have been passed down from generation to generation. Students will explore the history of different art forms. They will be able to demonstrate the technique of these art forms as well as explain the principles and elements of design in their projects. These skills can be used for a lifetime of enjoyment or for profit in a business enterprise. Costs are the responsibility of the student.

Class Limit: 12

Recommended for: 9-12th Grades

INDUSTRIAL ARTS

Introduction to Industrial Technology (Semester)

A course designed to introduce students in the shop areas. Students learn classroom theory and apply safe skills with the construction practices to become familiar with the shop areas. Students will be required to cover the cost of projects they build in this class.

Recommended for: 9th Grade

Class Limit: 12

Small Engines (Semester)

A course designed to help students with practical information about small engine construction, operation, lubrication, maintenance, troubleshooting, service, rebuilding, and repair.

Class Limit: 12

Advanced Woods

This class is designed to help students further their knowledge in the field of woodworking. The student will design, construct, and finish a project with the use of various power tools in the shop. Students will be required to cover the cost of projects they build in this class.

Class Limit: 12

Prerequisite: Successful completion of Intro to Ag and Industrial Arts. If students are registering for a second year of the class, permission of instructor is required.

Building Construction (Semester)

Building construction is designed to help students understand the basic principles of carpentry and masonry. Learning classroom theory and applying skills with on-the-job construction projects, students learn and become familiar with the tools of the trade. Students may also attain work experience from a local construction company.

Class Limit: 10

Prerequisite: Adv. Woods and permission of instructor

Drafting Occupations (CAD I)

Students experience three major areas in Drafting Occupations, Mechanical Drawing, Auto CAD, and Architectural Drafting. Students use draftsmen tools to construct drawings and sketches to express ideas to others. Learning experiences include the development of drawing skills through the use of drafting instruments. Students construct drawings using the board and the computer.

Class Limit: 12

Prerequisite: Grades 10-12

LANGUAGE ARTS

English 9

Reading comprehension and the application and analysis of elements of fiction are the emphasis of English 9. Students will read several short stories and novels during this course as well as one play, *Romeo and Juliet*. Vocabulary, writing skills, analysis, comprehension, and presentation skills will be paired with the reading. Grammar usage and sentence structure are studied during the second quarter. In the fourth quarter, there is an informative speech unit which includes choosing a topic, doing research, drafting a speech, creating visual aides, and presenting the speech.

Required for: 9th Grade

English 10

The curriculum of English 10 will center around grammar and writing, research, short story analysis, historical fiction, and memoir. Grammar and writing skills will include the process of creating different types of sentences and understanding how to create cohesive paragraphs, which lead into essays. Studies in literature will focus on analyzing different genres such as short stories, novel, poetry, drama, and memoir. Two small research projects will be conducted along with reading novels during the second semester.

Required for: 10th Grade

English 11

Students in English 11 will apply the grammar skills they have learned via regular writing assignments during the second and third quarters of the year. Students will be exposed to different forms of literature written by American authors, ranging from Native American literature to contemporary literature. The study of literature will include the use and understanding of relevant vocabulary words. Students will be involved in class discussions over literature and writing via debates, town hall discussions, and Socratic Seminars. Daily ACT prep questions will highlight the importance of the ACT as both an entrance exam and as a Nebraska State Test.

Required for: 11th Grade

English 12

This course will include a study of British literature during the first semester. Students will verbally analyze the literature via Socratic Seminar. The second semester will be dual-focused on contemporary literature and writing. Practical writing in the form of business letters and expository essays will be included in the curriculum.

Required for: 12th grade unless enrolled in English Comp 1010 and Writing and Research 1020.

Creative Writing (Semester) (FALL)

This course is designed to give students more experience in writing in a variety of genres to include technical writing, fiction writing, non-fiction writing, and poetry composition.

Advanced Speech (Semester) (SPRING)

This is a course designed to help students prepare to participate in speech competitions. In the third quarter, emphasis will be placed on material selection, writing, visual aid creation, and delivery in regards to speech. Use of props is also highlighted. Students are required to participate in competitive speech while in this class. During the fourth quarter, students will focus on script cutting, writing speeches, and using techniques of persuasion.

Journalism

This course is for producing the school's high school and elementary yearbooks. Students will learn how to take effective digital pictures, which includes editing using Adobe Photoshop. Students are taught page layout using Jostens Yearbook Avenue online. Photography during home sporting events, concerts, and other extra curricular competitions is a required part of this course. Newswriting is also taught during this course as articles for the local newspaper will be written and submitted weekly.

Newscast/Video Editing

This course focuses on broadcast journalism and publishing. The students will write news script, edit scripts and videos, and use a teleprompter and green screen. The newscast will be uploaded to the school website, to social media, and will be shown in the lobby each Friday. Students will complete video editing using Wirecast and Final Cut Pro.

English Composition 1010 dual credit (3 College Credits)

An exploration of personal, expository, and persuasive writing.

Prerequisite: English and Reading scores of at least an 18 on the ACT.

English Writing and Research 1020 dual credit (3 College Credits)

This course focuses on writing extended research based essays. There is also emphasis on research and organizational strategy, use and integration of multiple sources, and the proper use of library resources. A research paper is required.

MATHEMATICS

Algebra I

Algebra I is for students grades 7-12 with average or above mathematical ability. This course included a review of four fundamental operations on real numbers and their use in the solution of equations and related problems. Polynomials, factoring and fractions lead to the solution of more complicated problems. A study of functions and relations and systems of open sentences extend the range of problems that can be solved. The course concludes with a study of irrational numbers and quadratic functions. School District #67 recognizes the important role mathematics play in the education of students. With that in mind, this class can be offered to students as early as the 7th grade if they meet criteria established by the instructor and administration.

Geometry

Geometry is for students who have successfully completed Algebra I and wish to improve their mathematical and logical reasoning ability. The course includes a study of the basic figure of geometry. The student will develop an understanding of the nature of proof and gain experience in writing proofs in triangles, quadrilaterals, similar polygons, right triangles, and circles.

Prerequisite: Algebra I

Algebra II

A continuation of the elementary algebraic concepts presented in Algebra I. The course begins with a review of the properties of real numbers and linear equation solving in two variables. A study of polynomial functions and methods of factoring polynomials is applied to problem solving and graphing of quadratic functions. A review of irrational numbers leads to the solving of quadratic equations using the quadratic formula and graphing of quadratic relations. The course concludes with a study of exponential functions and logarithms, sequences and series, and matrices.

Prerequisites: Geometry or permission of instructor

Transitional Math

A course for juniors and seniors who wish to review the basic concepts of algebra and geometry, as well as applied mathematics concepts. This course is designed for students that want an alternative to advanced math, especially students who plan to attend a 2-year college after graduation. Topics covered will include solving equations, rational numbers, graphing, quadratic functions, area, perimeter and volume, statistics and probability, right triangle trigonometry, law of sine's and cosines, budgets and taxes.

Prerequisite: Algebra I and Geometry

Advanced Math

A one-year course for college prep students. The course begins with a study of coordinate geometry, graphs of inequalities and functions. A detailed discussion of trigonometry and its

applications to include the law of sine's and cosines. The remainder of the year is spent covering pre-calculus topics such as analytical geometry, systems of equations, sequence and series, exponents and logarithms, and an introduction to the limit, a fundamental idea of calculus.

Prerequisite: Algebra II and Geometry

College Algebra 1150 Dual Credit (3 College Credits)

This course is the study of relations, functions and their graphs, equations, and inequalities, polynomial and rational functions, exponential and logarithmic functions, systems of equations, and inequalities.

Prerequisite: Score at least a 22 on the Math portion of the ACT.

Analytic Geometry and Calculus I Dual Credit (5 College Credits)

This course is a study of analytic geometry and single variable calculus. Topics include limits, continuity, derivatives, applications of derivatives, integrals, and applications of integrals.

Prerequisite: Advanced Math, Math ACT of 24 or above.

PHYSICAL EDUCATION AND HEALTH

PE/Health

A co-educational class broken down into segments of PE and Health. Activities and skills acquired in junior high are refined and reemphasized. Realizing the benefits of staying physically fit throughout lifetime participation will be promoted. A more detailed study of previous health practices will be taught. The following will be given emphasis: first aid, drug use, body functions, nutrition, attitudes, and physical, mental and social health.

Required for: 9th Grade

Advanced Physical Education/Weight Lifting

A specialized course with physical fitness and lifetime sports as its central focus primarily directed to: a) physical fitness as assessed through measures of strength, flexibility, and circular respiratory endurance, plus ratings of static and dynamic posture, b) emphasizing the advantages of voluntary participation throughout life in a variety of activities. Weight lifting places emphasis on muscular strength, endurance, flexibility, and safety. Students will work on developing a personal weight training plan.

SCIENCE

Applied Science

This course broadly covers several areas of science. Time is spent covering astronomy, geology, meteorology, basic physics, basic chemistry, and environmental science. The emphasis of the course is hands-on inquiry activities. This course is intended, but not limited to, students who's future plans do not require anatomy & physiology, chemistry, or biology. Student's that have taken other upper level science should not be discouraged from taking applied science if they want and it fits their schedule.

Required for: 11th grade (not enrolled in a different science class)

Biology

The study of basic biological principles. The course covers cell biology, reproduction, genetics, evolution, the history of life on the planet, ecology, classification of life, and broadly covers the

diversity of life on the planet. Throughout the course the methods of scientific inquiry are covered including one large-scale research project completed by small groups of students.

Required for: 10th Grade

Chemistry

Strongly recommended for those juniors and seniors who are considering going to college. The course is mostly lecture/demonstration with an average of one lab per week. First semester covers chemical equations, development of the modern model of the atom, and the nature of matter. Second semester covers equilibrium, acid-base and oxidation-reduction reactions, organic chemistry.

Prerequisite: Algebra I or permission of instructor.

Physics

Recommended for those juniors and seniors who are considering careers in science, engineering or automotive. Must have good mathematical background. First semester covers mechanics and energy. Second semester covers waves, electricity and magnets. Topics covered if time permits are electronic devices and subatomic physics.

Prerequisite: Algebra II and currently enrolled in Advanced Math or permission of instructor.

Anatomy and Physiology

The course is a systematic study of human anatomy and physiology. Emphasis is placed on structural anatomy with a more basic approach to physiology. This course is highly recommended for students thinking about the health science or exercise science fields in college.

Prerequisite: Biology

Physical Science

This is a lab-orientated course, which stresses the problem-solving processes common in all areas of science. The first semester covers basic physics (mechanics, energy, simple machines) while the second semester covers basic chemistry (using the periodic table, bonding, chemical reactions). Throughout the course the methods of scientific inquiry are incorporated into the many lab activities.

Required for: 9th Grade

SOCIAL SCIENCES

Modern World History (Semester) (FALL)

This course begins with a summarization of pre-history and progresses to the present time. The course is a record of the past, encompassing those peoples and events that influenced the development of the world as it is today.

Required for: 10th Grade

Geography (Semester) (SPRING)

In this course, we will learn geography basics: vocabulary terms and reading maps as well as focus on South America, Europe, Asia, and Africa. We will focus on these different areas and look at their physical geography and their human geography. The course also includes memorization of countries on these continents.

Required for: 10th Grade

American History

This course begins with the end of World War II and progresses to the present time. The course provides an introduction to the social, political, cultural, and economic changes taking place in America from the end of World War II to an industrial-technocratic democracy in a global age.

Required for: 11th Grade

American Government

This course covers the structure, organization, and function of government in the United States at the national, state, and local levels. The course also provides opportunities for student to discuss world and national problems, which are in the news or are continuing problems at the national or world level. It prepares students for their citizenship role in the adult world they are about to enter.

Required for: 12th Grade

Economics (Semester) (SPRING)

This course is a study of the principles, practices, features, and functions of our American and world economics. Topics studied include economic theory, current economic issues, and careers in economics. Learning terms, skills, and concepts essential in understanding the value of economics are the primary aim of the course. Also, students will learn how economics affects their personal lives on a world, national and personal level.

Modern Problems (Semester) (FALL)

In this class, we focus on three places: Afghanistan, Mexico, and North Korea. We will read about the history of each place and learn how the events of the past have directly affected their current state today. By learning about their past, it helps form a better understanding of what is happening there today.

Psychology (Semester) (SPRING)

An introduction to the science of psychology including the application of critical thinking to the study of learning theory, memory, personality, growth and development, biological and neurological aspects, abnormal behavior, therapies, intelligence, motivation, emotion, sensation, perception, and theoretical perspectives.

Sociology (Semester) (FALL)

A course that will focus on studying human social behavior. Sociology studies the patterns in social relationships and how these can help individuals. This course will look at culture and social structures, social inequality, social institutions, and social change.

WORLD LANGUAGE

Spanish I

Spanish I will provide the student with a general introduction to the Spanish language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information, and basic grammatical structures. Emphasis will be on the acquisition of four skills: listening, speaking, reading, and limited writing. There are two main objectives to the course. Foremost is

to give the students the ability to carry on a simple conversation. The second is to provide the students with instruction that teaches a basic understanding of Spanish culture, vocabulary, and grammatical concepts.

Prerequisites: Students should have a good background in English grammar and sentence structure.

Spanish II

Spanish II builds upon knowledge gained in Spanish I. Students will be responsible for vocabulary and grammar covered in Spanish I. This course will also reinforce the skills learned in Spanish I: listening, speaking, reading, and writing. Emphasis is on perfecting pronunciation, mastery of the basic grammatical structures, and increased communicative proficiency.

Acquisition of functional vocabulary is expected. Students will be exposed to the past tenses, future, conditional, and subjunctive mood. Students will be expected to apply them in their writing and speaking.

Prerequisites: Spanish I

Spanish III

Spanish III builds upon knowledge gained in Spanish I and Spanish II. The course is a continuation and recycling of knowledge acquired in Spanish I and Spanish II, as well as an introduction to new vocabulary, structures, and expressions. Students will be expected to expand their vocabulary range to include more sophisticated terms, use advanced language expressions, verb tenses, and grammatical concepts such as the pluperfect and the subjunctive mood. Students will view Spanish language films and read selected Spanish literature.

Prerequisites: Successful completion of Spanish I and Spanish II.

Spanish IV

Spanish IV builds upon knowledge gained in Spanish I, Spanish II, and Spanish III. The course is a continuation and recycling of knowledge acquired in the other Spanish courses as well as an introduction to new vocabulary, structures, and expressions. Emphasis will be on listening, speaking, reading, and writing of the language at an advanced level. Students will be expected to use several verb tenses and independently read novels and other materials, write papers, and have discussions in Spanish about the content.

Prerequisites: Successful completion of Spanish I, Spanish II, and Spanish III.

Distance Learning Classes

Through the Nebraska Network, students will be able to access distance learning classes. Each year, technology allows us to access more classes throughout the state; thus, changing the number and types of courses each year. Humphrey Public School district pays the cost for textbooks used in these courses.

Courses students have been able to take in the past are as follows:

Business Law	College Psychology	Intro to Literature
College Algebra	College Public Speaking	Sports Marketing
College Calculus	English Composition	Statistics

To be eligible to take various college courses, there may be an ACT or ACCUPLACER acceptable minimum score that must be on file before registration can be secured.

ACE Scholarship: Nebraska has established this scholarship for high school students who wish to take college credits while in high school. To meet guidelines, students must be on free or reduced lunches. Currently, there are not restrictions on the number of college hours that a student can take. Students file an application online in late summer for fall semester, and December for spring semester classes.