COURSE DESCRIPTIONS

To be classified as a sophomore, a student must have earned 55 semester hours; a junior must have earned 110 hours; a senior 175 hours. A student will only be changed in status at the end of the appropriate semester upon the request of the student and approval of the administration.

A minimum of 230 academic hours for beginning class of 2009 is required for high school graduation. Of these, 170 hours are specifically required with 40 in English (taken sequentially, speech included in the English curriculum); 30 in mathematics; 30 in social studies (including 10 hours in American History and 10 hours in American Government); 30 hours in science (including 10 hours in a physical science and 10 hours in a biological science); 10 hours in physical education; 10 hours in fine arts; 20 hours in business (including 10 hours in Keyboarding/Computer Science).

It is strongly recommended that college bound students take four years of math, science, English, social science, and two years of foreign language. It is also strongly recommended that college bound students check additional requirements specifically prescribed by the college or university of their choice, during, if not before, their junior and senior years.

Hemingford Sr. High School Course Offerings and Outlines

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Agriculture

Advanced Animal Science – 2nd Semester

Agriculture Elective --#127
5 credits
Recommended Prerequisite(s) Intro to Agricultural Science
Course Description:

Open to 10, 11, 12 graders. This course provides an academically stimulating environment for students wishing to advance their understanding of animal science. In this course, students examine the interrelated human, scientific, and technological dimensions of livestock production. In addition, students expand their knowledge of the scientific and technological dimensions of resources necessary for animal production.

Advanced Horticulture – 1st Semester

Agriculture Elective --#128
5 credits
Recommended Prerequisite(s) Intro to Agricultural Science
Course Description:

Open to 10, 11, 12 graders. This fundamental course includes the study of job opportunities in the horticulture and plant science fields, general safety practices in the greenhouse, the properties of different types of soil media, the different structures and functions of plants, the proper methods of asexual and sexual plant propagation, the proper nutrition and watering techniques with greenhouse and other cultivated crops, the identification and selection of common plants in greenhouse and farm production, and the control of common greenhouse and farm diseases and pests. This course offers a balance of classroom study, individual research, and hands-on lab participation in the school greenhouse.

Ag Communications and Agribusiness – Semester Each/ Year long course

Agriculture Elective --#112 and #51
10 credit 5 each semester
Recommended Prerequisite(s) Intro to Agricultural Science
Course Description:

Open to 10, 11, 12 graders. This course is for the advanced ag student who wants to learn about the world of work in the field of agriculture and agribusiness. Subjects to be taught include all aspects of communication including print media and advertisement, verbal media (radio and public speaking) and cyber media. Students will design, manage and maintain the FFA website. All aspects of farm and ranch management as well as business management will be covered, including but not limited to budgeting, inventory management, cash flow summaries, setting up a business plan and developing financial statements. Customer relations and sales skills will be taught. Students will gain hands on experience through apprenticeships at local businesses. Some of the class time will be spent dealing with activities that relate to the FFA. Students choosing not to involve themselves with the FFA will perform simulated activities that will still teach the content intended. Students in the class are strongly encouraged to join the FFA in order to take full advantage of the opportunities offered.

Agriculture Advanced Welding – 2nd Semester

Agriculture Elective --#114
5 credits
Recommended Prerequisite(s) Intro to Agricultural Science, Basic Welding
Course Description:

Open to 10, 11, 12 graders. Advanced Welding is for the student who currently has basic welding skills. Course includes extended practice in shielded metal arc welding and MIG welding. Additional areas of study and practice include the introduction of tungsten inert gas welding. Application of these will be done in al positions. Technical skills and competence are increased. Upon successful completion of the course, students will be equipped for entry-level employment positions in welding. Safety skills and practices are required to be followed. Student generates grades through academic work and project work assessments. Consistent and punctual attendance is very important. Student should have the ability to work alone and with others.

Agriculture Beginning Welding – 1st Semester

Agriculture Elective --#113
5 credits
Recommended Prerequisite(s) Intro to Agricultural Science
Course Description:

Open to 10, 11, 12 graders. Basic welding is an introductory course in shielded metal arc welding, MIG welding, and oxyacetylene welding and cutting. Welding will be done on light gauge metal in all positions. This course is intended to introduce a beginning student to the welding standards of the American Welding Society. Procedure, set-up, practice and application are done according to the AWS standard. Upon successful completion of the course, students will be familiar with this code and understand where to find needed information. Safety skills and practices required to be followed. A student generates grades through academic work and project work assessments. Consistent and punctual attendance is very important. Students should have the ability to work alone and with others.

Agricultural Construction I – 1st Semester

Agriculture Elective --#94
5 credits
Recommended Prerequisite(s) Intro to Agricultural Science
Course Description:

Open to 10, 11, 12 graders. This is a course designed to familiarize the student with basic theory and specialized skills. Skills will be developed in the areas of tool identification and safe use, carpentry, electricity, plumbing, masonry, fencing, painting and welding processes.

Agricultural Constructions II – 2nd Semester

Agriculture Elective --#102
5 credits
Recommended Prerequisite(s) Intro to Agricultural Science, Ag Construction I
Course Description:

Open to 10, 11, 12 graders. This a technical, pre-employment laboratory-orientated course designed to introduce students to scientific principles and concepts, and to develop skills in agricultural mechanics. It includes subject matter and skill areas in: soil and water conservation; electrification; concrete and masonry construction; wood project construction, building planning and construction; small engine and agricultural equipment maintenance and repair.

Agricultural Education/ Intro to Agricultural Science

Agriculture Elective --#43
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

Freshmen course- 1st and 2nd Semesters. This is a year long course that is designed to introduce students to the sciences, technologies, and applied practices of the progressive agriculture/Agri-science industry. Emphasis is on an active learning environment enriched with technology and science-course skills needed for other courses in agriculture. The focus is to begin the preparation of students for further study and leading to successful careers in the agriculture industry.

Business (20 credits required)

A+Hardware or A+Software Certification

Business Elective --#37 and #103
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

To provide an opportunity for students to obtain the knowledge and skills necessary to service microcomputer hardware and supported peripherals, build a computer from parts, and prepare for a successful result on the CompTIA A+ PC Hardware exam.
A+ Hardware/Software Certification

Accounting I

Business Elective --#29
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

In this class students will learn how to keep books for a proprietorship and a small partnership. They will record transactions in a journal, post to the proper ledgers, build a work sheet, income statement, balance sheet, and post closing trial balance. At the end of the class, they will combine all they have learned and apply it to a practice set.

Accounting II

Business Elective --#30
10 credits 5 each semester
Recommended Prerequisite(s) Accounting 1
Course Description:

This class is an extension of Accounting I.

Cisco Networking Academy Program Level I-IV

Business Elective —I /#193 II/#194 III/#195 IV/#196
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

The Cisco Networking Academy Program is a comprehensive e-learning program that provides students with the Internet technology skills essential in a global economy. The Networking Academy delivers web-based content, online assessment, student performance tracking, hands-on labs, instructor training and support, and preparation for industry standard certifications.

The Cisco Networking Academy Program teaches students valuable Internet technology skills, including networking, Web design, IT Essentials, Cabling, Java and UNIX. The Academy Curriculum covers a broad range of topics from basics on how to build a network to how to build a website and more complex IT concepts such as applying advanced troubleshooting tools.

Created by industry and education professionals, the curriculum prepares students for the demands of the workplace and motivates them to continue their education and learning. Delivered globally in multiple languages, the Academy program uses assessment data to adapt and improve lessons, labs, and teacher training. The program recognizes multiple learning styles of students with Web-based, multimedia content; online assessment and evaluation throughout the course; hands-on labs; and instructor training and support. Upon completion, students have the opportunity to take a certification exam.

Computer Management

Business Requirement--#146
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

Understanding and managing personal finances are key to one's future financial success. This one year course is designed to incorporate key essentials for high school students. Creating budgets, purchasing a vehicle, licensing, taxing, and obtaining a car loan are a highlight. The focus is also on maintaining good record keeping with checking accounts, spreadsheets, and stock market purchases. Students will learn how choices influence occupational options and future earning potential. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.

Computers Applications II {10 through 12th Grade Level}

Business Elective --#104
10 credits 5 credits each semester
Recommended Prerequisite(s) Computer Management
Course Description:

Pre-requisite: Computer basic knowledge, keyboarding skills, independent drive! Review of new software packages, including Adobe PhotoShop and PhotoDraw, will test your skills in graphic design. Creating a full year calendar will review scanning, cropping, cutting, and manipulation of many photos to create a fantastic final product. Second semester will include creation of music videos, movie trailers, photo PowerPoint, and end with a final personal product. Be ready to be creative and bring a positive work ethic! You are going to need it as you create many products from scratch.

Economics

Business Elective --#27
10 credits 5 per semester
Recommended Prerequisite(s)
Course Description:

This course takes an extensive look is taken into supply, demand, taxes, contracts, budgets, inflation, and the economic cycle. Then an introduction of the stock market includes a stock market simulation and playing the stock market game with other schools throughout Nebraska. The class concludes with a large project including a creation of a new business using the concepts learned throughout the year.

Entrepreneurship – 2nd Semester

Business Elective --#92
5 credits
Recommended Prerequisites(s)
Course Description:

This class is designed to look at the development of a business plan, making sound decisions relating to product ideas, marketing concepts, financial planning, and overall business decisions relating to starting our own company.

Business Law – 1st Semester

Business Elective --#35
5 credits
Recommended Prerequisite(s)
Course Description:

This course gives an introduction to personal, social, consumer, and business law that is pertinent to today's youth with a study of law as it relates to minors covering topics such as our legal system, contracts, bailment's, sales, debtors and creditors, car, home and life insurance, wills and employment. The book used for the class is: Law for Business and person use.

Business Math

Business Elective --#32
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

In this class, students will do units on gross income, net income, checking accounts, savings accounts, cash purchases, charge accounts and credit cards, loans, automobile transportation, housing costs, insurance and investments, and record keeping, comparison shopping, buy a car, pay taxes, shop for insurance, buy a house, and visit savings institutions.

Professional Development

Business Elective --#33
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

This class is set up for students who would like to learn more about the business world. We have many different units we explore. They are: telephone techniques, ten key calculator, filing, resumes, job interviews, business and dining etiquette, advanced applications using the Microsoft Office Suite, basic computer troubleshooting and maintenance training.

English (40 credits required)

Basic English

English Elective--#211
10 credits 5 each semester
Recommended Prerequisite(s) English 9, 10, 11
Course Description:

This course's infrastructure is geared for students who will be entering the work force or attending a trade school after high school is finished. Basic English will involve basic writing practices, basic comprehension practices, learning how to utilize mass-media to your advantage, and oral speech skills. Within this class we will take a 'real world' approach to the language arts.

CP (College Preparatory) English or AP (Advanced Placement) English

Required Course--#56 or #76
10 credits 5 each semester
Recommended Prerequisite(s) English 9, 10, 11
Course Description:

This course is central if attending or *may* be attending a four or two year college. CP will involve an in-depth analytical approach to a variety of college base texts within multiple genres. CP will also engage and hone student's writing skills in a variety of genres and outlets. Towards the end of the year, we will work more with ethical and literary theories.

English 9

Required Course--#55
10 credits 5 each semester
Recommended Prerequisite(s) 8th English
Course Description:

English 9 will focus on elements of a short story, elements of a novel, introduction to Shakespeare, and six traits of writing with emphasis on persuasive writing, MLA style research, and grammar review. Students in English 9 will also spend at least nine weeks learning and practicing the skills for effective communication and public speaking.

English 10

Required Course--#14
10 credits 5 each semester
Recommended Prerequisite(s) 9th English
Course Description:

English 10 focuses on general grammar review while beginning advanced grammar. The course covers World literature while working with poetry, short stories, novels, plays, and a Shakespearean tragedy. MLA style research and various essays are also included.

English 11

Required Course--#57
10 credits 5 each semester
Recommended Prerequisite(s) English 9, 10
Course Description:

English 11 is a focus of American literature from pre-Colonial days to the present. All genres are studied. The course also covers review of advanced grammar and various essays. MLA style research is also reviewed.

English 12

Required Course--#54
10 credits 5 each semester
Recommended Prerequisite(s) English 9, 10, 11
Course Description:

English 12 focuses on comprehensive grammar and writing review including MLA style research. All genres of literature are reviewed through a compilation of American and British literature.

English Theory –1st Semester

English Elective--#123
5 credits
Recommended Prerequisite(s) English 9, 10
Course Description:

This course is designed for juniors and seniors. It will involve analysis, synthesis, and interpretation of various materials. Theory will be driven primarily by individual thought, but will be incorporated with literary and ethical theories. Students will need teacher's approval before entering into this class.

Journalism/Yearbook and Journalism II/Yearbook II

English Elective--#63 and #135
10 credits 5 each semester
Recommended Prerequisite(s) English 9
Course Description:

Creating memories for Hemingford School Students is the ultimate goal of the Hemingford Yearbook Committee. Fantastic writing skills, the will to take pictures, and the creativity of making a great layout page are "MUST HAVES" to meet these goals. A student honored commitment of one full year is also a requirement to fulfill designated deadlines of finishing the completed yearbook. Reward for all your hard work?? One free yearbook complements of the yearbook sponsor!

Shakespeare – 2nd Semester

English Elective--#124
5 credits
Recommended Prerequisite(s) English 9, 10
Course Description:

This course is designed for juniors and seniors. It is geared towards the reading and interpreting of Shakespeare's plays. Many of these plays will be shadows of his more famous works and will include: comedies, tragedies, and histories. Students will need teacher's approval before entering into this class.

Speech – 1st or 2nd Semester

English Elective--#7
5 credits
Recommended Prerequisite(s) English 9
Course Description:

This semester class will guide students to prepare and deliver a wide variety of speeches. Students will learn the steps of organizing an outline, researching and documenting resources, cutting pieces of literature, and techniques in delivery.

Family & Consumer Science

Child Development --1st Semester or Child Development II-- 2nd Semester

Family & Consumer Science Elective --#107 and #136
5 credits
Recommended Prerequisite(s)
Course Description:

This class focuses on relationships, pregnancy, birth, and labor, infants, toddlers, and preschool. Required to carry the Baby Think it Over doll. Also, you will be required to plan and implement a preschool.

Creative Fabrics -- 1st Semester

Family & Consumer Science Elective --#108
5 credits
Recommended Prerequisite(s)
Course Description:

If you like to sew, be creative, hands on learning. This class is for you!

Foods or Foods II

Family & Consumer Science Elective --#9 or #137
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

Foods is a course that focuses on foods and nutrition. You learn about nutrition, food preparation, meal planning, and much more.

Independent Living – 1st Semester

Family & Consumer Science Elective --#12
5 credits
Recommended Prerequisite(s)
Course Description:

Independent Living is a course that focuses on teaching you how to live on your own. It covers renting/buying a house, buying a car, insurance, clothing needs, food/nutrition needs, and much more.

Interior Design – 2nd Semester

Family & Consumer Science Elective --#109
5 credits
Recommended Prerequisite(s)
Course Description:

Interior design learns about types of housing. Learning how to develop floor plans, design rooms, home improvement projects. Learning all about designing your own dream home.

Fine Arts (10 credits required)

Art I

Fine Arts Elective --#58
10 credits 5 each semester
No prerequisite(s)
Course Description:

In this class you will continue with drawing skills. Learn calligraphy, the art of beautiful writing. Begin painting, emphasis on watercolor. Encourage originality.

Art II

Fine Arts Elective --#59
10 credits 5 each semester
Recommended prerequisite(s): Art I
Course Description:

This class will reinforce calligraphy and drawing skills. Students will explore new art medias acrylic and oil painting. Students are encouraged to work with their own ideas and be independent and original. Students learn to mat pictures for show.

Art III

Fine Arts Elective --#60
10 credits 5 each semester
Recommended prerequisite(s): Art I, Art II
Course Description:

This class will be an independent study class with permission of instructor. Students will be developing individual talents by individual projects.

Band

Fine Arts Elective --#66
10 credits 5 each semester
Recommended Prerequisite(s): Elementary Band
Course Description:

This class is designed to help students become musically independent through classroom study and performance. Students will be exposed to various styles of music (marching, pep, concert) and learn musical terms throughout the school term.

Choir/Mixed

Fine Arts Elective --#70
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

This is a performance based class with some written work. Students will be exposed to and perform a variety of musical styles, and foreign languages. Students will view and summarize one musical per semester, one opera per year, and turn in various note reading and song writing assignments.

Choir/Swing

Fine Arts Elective --#69
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

This is a performance class designed for entertainment. Students will perform at various events through the school and in the community. This is an audition only group.

Math (30 credits required)

Algebra I

Math Elective--#1
10 credits 5 each semester
Recommended Prerequisite(s) Pass 8th grade math with at least C/pass placement test
Course Description:

This class starts with simple 1-step equations, to several transformations and building to problem solving. Add, subtract, multiply, divide, and factor polynomials. Ratios, proportions, percents with problem solving. Functions: slopes, tables, graphs, variations. Solve linear equation. Graph inequalities and quadratic function.

Algebra II

Math Elective--#75
10 credits 5 each semester
Recommended Prerequisite(s) Algebra 1
Course Description:

Continuation of skills learned in Algebra 1. Students must have successfully completed Algebra 1. Algebra 11 may be taken the same year as Geometry with the instructor's permission.

Calculus

Math Elective--#82
10 credits 5 each semester
Recommended Prerequisite(s) Algebra I, Geometry, Algebra II, and Pre-calculus.
Course Description:

This is a basic study of single variable calculus. The class will take an in depth look at limits, differentiation, integration and application of these topics. Students must have successfully completed all of the prerequisites.

General Math I

Math Elective--#93
10 credits 5 each semester
Recommended Prerequisite(s) 8th math
Course Description:

General Math I combines number sense, algebra, geometry, statistics, and logic in an integrated approach to mathematics in order to help ensure students will have the skills they need for the 21st Century. Every class period begins with a mad minute sheet to work on the basic math skills of addition, subtraction, multiplication, and division without the use of a calculator. Calculators are permitted during daily assignments, handouts, and tests.

General Math II

Math Elective--#101
10 credits 5 each semester
Recommended Prerequisite(s) General Math I
Course Description:

General Math II continues to combine number sense, algebra, geometry, statistics, and logic in an integrated approach to mathematics in order to help ensure students will have the skills they need for the 21st Century. Every class period begins with a mad minute sheet to work on the basic math skills of addition, subtraction, multiplication, and division without the use of a calculator. Calculators are permitted during daily assignments, handouts, and tests.

Geometry

Math Elective--#77
10 credits 5 each semester
Recommended Prerequisite(s) Algebra 1
Course Description:

The study of basic geometry skills, in depth look at points, lines, planes, polygons, circles and constructions. Students will also use theorems and postulates to define rules when working with geometric figures and help build their mathematical reasoning skills. Students must have successfully completed Algebra I. May be taken the same year as Algebra II with the instructor's permission.

Pre-calculus

Math Elective--#98
10 credits 5 each semester
Recommended Prerequisite(s) Algebra 1 and 11, Geometry
Course Description:

Students will spend most of the year studying polynomial, logarithmic, exponential, and trigonometric functions, their graphs and applications. Some time will also be spent looking an analytic geometry, matrices, and probability. This class is geared more toward the student going into a math related field. Successful completion of the prerequisites is required.

Science (30 credits required)

Advanced Biology

Science Elective--#182
10 credits 5 each semester
Recommended Prerequisite(s) Integrated 3, Biology, Physiology, Chemistry
Course Description:

This class is a detailed extension of biology. This class uses more of a research/discussion format. Specific areas of discussion include microorganisms - viruses, bacteria, protozoa, algae, and fungi; invertebrates - sponges, flatworms, roundworms, mollusks, annelids, arthropods, insects, and echinoderms; vertebrates - fishes, amphibians, reptiles, birds, and mammals. This class also includes units on ecology cell structure, genetics, and evolution. This class is currently set up for seniors.

Astronomy – 1st Semester

Science Elective--#99
5 credits
Recommended prerequisite(s): Algebra I
Course Description:

This class is the descriptive study of the solar system, stars, and galactic system, including theories of the origin of the universe and solar system.

Biology

Science Requirement--#38
Credits - 10 5 each semester
Recommended Prerequisite(s) Integrated Science
Course Description:

This class is a general introduction into the field of life sciences. This class generally uses a lecture /discussion format. Areas that are discussed include cellular structure, genetics, evolution, microbiology, plants, invertebrates, and vertebrates. This class is currently set up for sophomores or freshmen.

Chemistry

Science Elective--#49
10 credits 5 each semester
Recommended Prerequisite(s) Algebra II, Integrated Science, Biology or approval of instructor
Course Description:

Chemistry is a lab-based college-preparatory science course. Content of this class includes history of chemistry, atomic theory, molecular structure, stoichiometry, nomenclature, acid/base interactions, and gas laws. Calculating concentrations, and lab techniques/safety. This course is intended for juniors, but open to everyone with sufficient mathematics background.

Conceptual Physics

Science Elective--#125
10 credits 5 each semester
Recommended Prerequisite(s) Algebra I
Course Description:

Applied physics is a conceptual approach to learning physics. The course content includes classic kinematics, gravity, friction, momentum, work, power, thermodynamics, sound, light, and optics. The contents are addressed through various labs that allow the students to experience physics along with doing the calculations. This class is open to any student with ample math background. (Successful in algebra 1 and taking algebra 11)

Ecology – 2nd Semester

Science Elective--#100
10 credits 5 credits each semester
Recommended prerequisite(s):
Course Description:

Ecology is the study of the factors that influence the distribution and abundance of animal populations. It includes looking at possible human factors that escalate movement or decrease in the size of these populations.

Physical Science Integrated III

Science Requirement--#117
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

A content and lab based course intended to give students a background in the physical world around them using the following themes: Matter: Building blocks of the universe-- Chemistry of Matter--Motion, forces and energy--Heat energy
Electricity and magnetism--Sound and light

Science Integrated IV

Science Elective--#126
10 credits 5 each semester
Recommended Prerequisite(s) Integrated III, Biology
Course Description:

This is an interdisciplinary course integrating principles from physical, biological, and earth sciences. The course must have instructor approval prior to registration. The objective of the class is to help students be able to meet the requirements of the Nebraska Science Standards.

Three concurrent twelve week sessions will provide students the ability to design and conduct original investigations, debate ideas, make observations, inferences, and predictions; collect and analyze data, draw conclusions, and communicate ideas and findings to others. This class will use current technologies, and tools to aid scientific investigations.

Physics

Science Elective-- #48
10 credits 5 each semester
Recommended Prerequisite(s): Algebra II, Pre Calculus or permission of Instructor
Course Description:

Physics is a lab-based college-preparatory science course. The contents includes: kinematics in one, two and three dimensions, vectors, friction, gravity, momentum, forces, power, energy, waves, electricity, optics, and thermodynamics. This course is intended for students who have successfully completed algebra II or currently taking.

Physiology

Science Elective--#40
10 credits 5 each semester
Recommended Prerequisite(s) Integrated Science 3, Biology
Course Description:

This class is centered on the study of the human body and its various systems. This class also uses a research/discussion format. Areas of concentration include the following systems - skeletal, nervous, digestive, respiratory, circulatory, regulatory, endocrine, and reproductive. This class is currently set up for juniors and seniors.

Social Science (30 credits required)

American Government

Social Science Requirement--#22
10 credits 5 each semester
Recommended Prerequisite(s) American History, World Geography/World History
Course Description:

This class covers the major economic and political systems of the world. We compare these to our own. The students are well versed in the U.S. Constitution by the end of the year; they will have a two-day final covering this material. Civil Rights, immigration, state constitutions, local government-city and county government, and political parties are all presented with an opportunity to show accountability. Guest speakers are brought in to broaden the student's knowledge in this area. Current events and global awareness are also heavily stressed.

American History

Social Science Requirement--#132
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

This Class covers the Colonial, Revolutionary, and Reconstruction Periods with the major emphasis on American History 1877 to present. The class attempts to put the Era's into perspective and have a strong background in major events, elections, and personalities. There is a constant effort to tie threads to the past, present and make future predictions based on the knowledge presented. Current events and global awareness are also stressed. There is opportunity to write, speak and to work on group projects.

Psychology – 1st Semester

Social Science Elective --#237
5 credits
Recommended Prerequisite(s): Junior or Senior Level
Course Description:

This course is for juniors and seniors. Psychology is the study and understanding of the behaviors and tendencies of humans and animals in regard to their environments. We will explore many possibilities of understanding the individual in regards to his/her species. We integrate understanding cultural sensitivity and we try to explore the developmental progression of humans as they develop, both physiologically and psychologically. We will include understanding many of life's transitions as we develop.

Sociology – 2nd Semester

Social Science Elective --#138
5 each semester
Recommended Prerequisite(s) Junior or Senior Level
Course Description:

Sociology is the study of human relationships. Units include culture, socialization, social institutions (family, education, political, religion), and Social change.

World Geography – 1st Semester

Social Science Requirement--#140
10 credits 5 each semester
Recommended Prerequisite(s) American History
Course Description:

This class focuses on physical geography. The first two units focus on the earth's features. The students should be well aware of their world by the end of the year at which time they will take a two day test over technical terms and locations. The desired outcome is that the students will be able to relate to the news, to future history classes and to be aware of our international community. Some cultural geography is presented.

World History – 2nd Semester

Social Science Requirement--#143
5 credits
Recommended Prerequisite(s) World Geography, American History
Course Description:

This class educates students about the beginnings of ancient civilizations, their customs, major religions, and the involvement of cultures. The class deals with some current world issues reflecting back in time. We discuss America's involvement leading to World War I.

Other

Library Science

Elective --#53
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

As a library aide, the student will learn the basic processes of library circulation including check-in, check out, shelving books, hanging newspapers, preparing new books and library materials for check-out, and periodical and vertical file maintenance. Other duties include creating bulletin boards, bookmarks, signs, and promotional materials. A library aide should be willing and able to learn and understand the Dewey Decimal system, assist students and teachers in finding materials, be able to type and process general computer skills. There will be times where maintaining the desk will be necessary and occasions requiring answering the phone, as well as video-recording television programs. A library aide should be pleasant, friendly, cooperative, dependable, courteous, self-directed, trustworthy, and respect the rules of the library.

Physical Education/Weight Training

Physical Education Elective --#19
10 credits 5 each semester
Recommended Prerequisite(s) Physical Education 9
Course Description:

Weight training is both an introduction to weight training and can be an advanced class for certain students that have been in it before. In weight training the students will learn the proper way to begin and keep up with workouts. Proper form and technique will be stressed throughout the class. Each student will be instructed on ways to achieve their individual goals in terms of weight training, whether that would be to gain or lose weight or to move into power lifting or just lift as a recreational and lifetime sport.

Physical Education

Physical Education Requirement--#20
10 credits 5 each semester
Recommended Prerequisite(s) none
Course Description:

This class of physical education will go farther into sports and activities and deal with such issues as rules, regulations and history. Students will learn more complex motor skills and how to apply them to different sports/activities. Some areas that will be covered are: Football, Basketball, Wrestling, Baseball, Track, Badminton, Hockey, Archery and so on. This class will be used to teach students skills that they may need throughout their lives.

RSVP -- Resumes, Scholarships, Various Projects

Business Elective --#105
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

Resumes, Scholarships, and Various Projects are the focus of this yearlong class. Be ready to take on the challenge of researching and filling out MANY scholarships. The more scholarships you fill out, the better your chances to earn money for your future in higher education. The first semester is focused on resume updating, school searching, career choices, and various regional scholarship searching. Second semester starts off immediately with financial family data, statewide scholarships, and finishing off with many local scholarships. Be ready for full steam ahead!!

School to Work-12th grade

Elective --#52
10 credits 5 each semester
Prerequisite(s)
Course Description:

School-to-Work is a program to help students make a successful transition from high school to adult life through school-based leaming, work-based learning, and connecting activities. Emphasis will be on learning the skills it takes to compete in the future world of work. Students may be required to work or shadow outside the scope of a family business. Students with enough graduation credits have the opportunity to work off campus for part or all of the afternoon. Talk with the School-to-Work instructor for further information about work experience requirements.

Spanish I

World Language Elective --#61
10 credit 5 each semester
Recommended Prerequisite(s)
Course Description:

Students learn preliminaries of the Spanish language--mostly vocabulary. Learn basic verbs and how to conjugate in present tense as well as present progressive (ing.) Work with beginning grammar, masculine/feminine nouns and agreement of adjectives and nouns are stressed and also placement of adjectives. In the spring a big project is the development of a house plan--their "dream house." The students select pictures from catalogues to "decorate" each room, labeling and describing each room and its contents in Spanish and English.

Spanish II

World Language Elective --#62
10 credit 5 each semester
Recommended Prerequisite(s) Spanish I
Course Description:

This class will reinforce concepts and vocabulary from Spanish I. Continue to develop vocabulary. Learn preterite (past), commands, and subjunctive tenses as well as stem-changing verbs. Begin reading books written in Spanish to supplement verb tenses. Books include "La Hija de la Gran Serpiente Marina" and a biography of Roberto Clemente. Other supplements include reading newspapers written in Spanish and answering questions about the news and advertisements. The students are encouraged to begin developing their speaking skills. Culture is stressed at this level also... meaning cooking Mexican or Spanish food! Final project -- students write a children's book.

Spanish III

World Language Elective --#122
10 credit 5 each semester
Recommended Prerequisite(s) Spanish I, Spanish II
Course Description:

Spanish III builds on the grammar and verbs taught in Spanish I and II. This course involves more Spanish literature - more reading USING the grammar. The emphasis is on allowing the student to grow in fluency and vocabulary.

Agriculture

Agriculture Education/ Jr. High

Required Course 7th: #83 8th: #46
Recommended Prerequisites(s):
Course Description:

Seventh and Eighth Grade Course- Nine week rotation. The 7th grade course is designed to build leadership skills to prepare the student for success in high school and life. The curriculum includes the study of the theory of leadership, personal attributes, such as interpersonal relationship skills and value systems, as they relate to leadership, individual and group leadership skills, and leadership skills and responsibilities necessary for obtaining and advancing in a career. Students will be introduced to shop safety and some shop tools through classroom instruction and building a small shop project. The 8th grade is an extension of the Ag 7 class. It is designed to give students an understanding of what is offered in the high school agricultural curriculum. The course contains instruction in the areas of leadership, shop skills and career research. Some instruction will be provided in the areas of plant and animal science. The skills taught in the shop will be of a more advanced nature than those taught in the Ag 7 class.

Business

Computer Business {8th Grade}

Required Semester Course--#148
Recommended Prerequisite(s)
Course Description:

This one semester class takes you through an exciting adventure of what it takes to be an entrepreneur. Starting your own business, creating a computer generated floor plan, advertising using webpage design, and spending some of your wealth by investing in the stock market are just some of the areas of interest that will be explored. Fasten your seatbelts! It will be a rollercoaster full of thrills.

Intro to Media {7th Grade}

Elective Course--#147
Recommended Prerequisite(s)
Course Description:

HHS Times was the name of the newspaper that Hemingford's Class of 2013 recently created in the 2007-2008 class. It was full of many free write articles, puzzles, cartoons, fun facts, and many other creative writings. Two issues were designed and printed out the first semester with over 200 issues sold. Students MUST HAVE keyboarding skills, creative writing skills, and energetic work ethic. Second semester will offer the opportunity to help with pages for the Hemingford Yearbook including designing business ads and elementary pages. Adding in an additional software package of building and landscape design will also allow for more computer interaction. Completing a final issue of the newspaper to come out in May will end the semester.

English

English 7

Required Course--#16
10 credits 5 each semester
Recommended Prerequisite(s)
Course Description:

English 7 will focus on grammar and the six traits of writing with emphasis on narrative and descriptive writing. Students in English 7 will also be introduced to the elements of a novel, MLA style research, public speaking strategies, and various genres in literature.

English 8

Required Course--#15
10 credits 5 each semester
Recommended Prerequisite(s) English 7
Course Description:

English 8 will include the study of elements of a novel, six traits of writing with emphasis on descriptive writing, Holocaust literature and the impact of the Holocaust, basic elements of poetry, and grammar. Students in English 8 will also write an MLA style research paper and be introduced to basic public speaking strategies.

Family & Consumer Sciences and Arts

Life Skills (8th Grade)

Elective Course--#106
Recommended Prerequisite(s)
Course Description:

This course is designed for 8th grades students that are not currently in band. Students will look at goal setting, careers, and food basics of planning, shopping and preparing meals.

Living Arts {7th Grade}

Required Course--#144
Recommended Prerequisite(s)
Course Description:

7th grade classes will incorporate Family and Consumer Sciences concepts with Art concepts. They will have a combination of food art, interior design projects, and text ile arts. Projects that will be incorporated into the class include: latch hook, basic food garnishing techniques, tie dye, and development an interior design paint technique display board.

Living Arts {8th Grade}

Required Course--#145
Recommended Prerequisite(s)
Course Description:

8th grade classes will incorporate Family and Consumer Sciences concepts with Art concepts. They will have a combination of food art, interior design projects, and textile arts. Projects that will be incorporated into the class include: cross stitch, silk painting, garnishing and edible art projects.

Band

Fine Arts Elective --#65
10 credits 5 each semester
Recommended Prerequisite(s): Elementary Band
Course Description:

This class is designed to help students become musically independent through classroom study and performance. Students will be exposed to various styles of music (marching, pep, concert) and learn musical terms throughout the school term.

Music Appreciation-Jr. High

Required course 7th: #67 8th: #68
Recommended Prerequisite(s)
Course Description:

This class is designed to be an overview of the history of Western music from the Renaissance to the present. It focuses on various styles of music and some of the most notable composers and musicians, and touches on the role of music in society. A portion of the class is used for preparing vocal music for a performance.

Math

Algebra I

Math Elective--#1
10 credits 5 each semester
Recommended Prerequisite(s) Pass 8th grade math with at least C/pass placement test
Course Description:

This class starts with simple 1-step equations, to several transformations and building to problem solving. Add, subtract, multiply, divide, and factor polynomials. Ratios, proportions, percents with problem solving. Functions: slopes, tables, graphs, variations. Solve linear equation. Graph inequalities and quadratic function.

Math/7th grade

Required Course--#2
Recommended Prerequisite(s)
Course Description:

This course covers the metric system, rounding, comparing. Add, subtract, multiply, and divide decimals, integers, and fractions. Introduce variables, solving 1-step equations, prime factorization, least common multiple, and greatest common factor. We find area, perimeter, and volume of figures. Ratio, proportions, percent, proportions are also covered. We work with data in graphs, probability, and Pythagorean Theorem.

Math/8th grade

Required Course--#3
Recommended Prerequisite(s) 7th grade math
Course Description:

This course covers scientific notation; add, subtract, multiply, and divide fractions, decimals, and integers. Length, capacity, and mass are discussed and worked within the metric and standard units. Estimating and order of operations should be at the mastery level. Introduction of Algebra is done with variables, expressions, and one and two-step equations are solved. Statistics and probability with graphs, histograms are covered as are rates, proportions, scales. Geometry: explore shapes, angles, areas of figures, surface areas, volume, circumference, and the construction of figures. Find the percent, interest, Pythagorean theorem, and problem solving involving most of the above skills.

Science

Earth Science/Integrated I

Required Course--#115
Recommended Prerequisite(s)
Course Description:

A content and lab based course intended to give students a background in the earth and its processes using the following themes: Exploring the universe--Exploring planet earth--Dynamic earth--History of the earth--Ecology: Earth's natural resources

Life Science/Integrated II

Required Course--#116
Recommended Prerequisite(s) Earth Science/Integrated I
Course Description:

A content and lab based course intended to give students a background in basic life processes using the following themes: Characteristics of living things--Monerans, protists, fungi and plants--Animals--Human biology--Heredity and Adaptation Ecology

Social Science

Social Studies - 7th grade

Required Course--#6
Recommended Prerequisite(s)
Course Description:

This course is a wide overview of ancient cultures, customs, and religions. Also, acknowledges early America and European expansion.

Social Studies - 8th grade

Required Course--#5
Recommended Prerequisite(s)
Course Description:

This class will focus on Post Civil War and the role of the U. S. in world affairs through WW II including key people, events and ideas.

Other

Reading, Write, Think (7th grade)

Required Course--#44
Recommended Prerequisite(s)
Course Description:

The focus of this class is on literature and improving reading skills and comprehension through reading practice. This includes self-selected reading class reading, writing, and discussion. During the course of the school year, students read independently from book titles they have chosen, for which they keep a reading-log, write responses in their reading journal, and take AR tests. In addition to the independent reading, students read together as a class materials from SCOPE magazine and three to four other books through the year that focus on different themes. For each class book, students focus on vocabulary development, literary elements, etc., and complete a computer project that they present to the class.

Physical Education/Jr High

Required course 7th: #17 8th: #18
Recommended Prerequisite(s)
Course Description:

Junior High P.E. is a basic beginner course of Physical Education. In it students will be exposed to various aspects of Education. Areas that are stressed are physical fitness, health, wellness, sportsmanship, hygiene, and social skills. During the 9-week class the students will also learn basic skills cricket, volleyball, speedball, basketball, team handball, pickle ball and weight training.

7th Grade Transitions

Required course--#200
Recommended Prerequisite(s)
Course Description:

In seventh grade Transitions we cover these lessons:

1. Accepting Responsibility
2. Who's in Charge
3. The Art of Prediction
4. Take Time to Plan
5. Learning from Mistakes
6. Effective Communication
7. Rules! Rules! Rules!
8. The Classroom as Community

Transition from the middle school to junior high can be difficult. We also discuss any problems that the students feel they are having making the transitions.

8th Grade Transitions

Required course--#212
Recommended Prerequisite(s) 7th grade Transitions
Course Description:

In eighth grade Transitions we cover these items:

1. What it is like when you dropout of school
2. What career path the student would like to pursue
3. What core classes are
4. What high school requirements are to graduate
5. How to register for high school classes
6. Registering for high school classes for their ninth grade year
7. Making a four year high school plan
8. Inviting parents to a working lunch to explain their four year plan

Transition from junior high school to senior high school is an important time in all students' lives. We make a four year plan and create the map that is needed to set goals during their high school career.

7th Grade Health

Required course--#204
Recommended Prerequisite(s)
Course Description:

Part of the transitions block, students complete a 4-week health unit. Areas covered are alcohol, tobacco, diet and exercise and other topics to help students with healthy lifestyles.

8th Grade Health

Required course--#213
Recommended Prerequisite(s)
Course Description:

Part of the transitions block, students complete a 4-week health unit. Areas covered are sleep deprivation, STD's, AIDS's and other topics to help students with healthy lifestyles.

Notice of Nondiscrimination

Applicants for admission and employment, students, parents, employees, sources of referral of applicants for admission and employment, and all unions or professional organizations holding collective bargaining or professional agreements with the Hemingford Public School District #10, are hereby notified that this District does not discriminate on the basis of race, color, national origin, sex, age, or disability in admission or access to, or treatment or employment in, its programs and activities.

Any person having inquiries concerning this district's compliance with the regulations implementing Title VI, Title IX, Americans with Disabilities Act, or section 504 of the Rehabilitation Act of 1973, is directed to contact:

Casper Ningen, Superintendent
Hemingford School District #10
911 Niobrara St P.O. Box 217
Hemingford, NE 69348
(308) 487-3328