

MAY TERM COURSE DESCRIPTIONS

AGRICULTURE

Farm Management – 90 minutes; limit 12 students (6 seniors); Prerequisite: Must have at least 1 yr. of Ag. Ed.; Utilizing our FFA farm property north of Rock Rapids this class will get hands on learning in the following areas: General farm maintenance; Construction of a windbreak; Cattle health work; Application of pasture fertilizer; Landscaping projects on the property; Installation of a new waterer for livestock; and various other areas.

Livestock Evaluation - 90 min.; 9-12; limit 14; Students must have had at least 1 year of Vo Ag; Students will learn how to evaluate livestock (hogs, cattle, and dairy) through a hands - on learning. We will visit local farms, sales barns, packing plants, and buying stations to gain firsthand knowledge and experience with livestock evaluation. The course will include grade and yield evaluation, carcass evaluation, identification of wholesale and retail cuts, live evaluation (market, animals, and breeding stock as well as feeder stock) and career opportunities.

Electricity – 45 min.; limit 10 people (6 seniors); There are no pre-requisites.

This class will introduce electricity in a very basic, hands on way. The students will learn the basic concepts of electricity and will do some work with electric circuitry/basic wiring.

Greenhouse Management – 45 min.; limit 10 people, (6 seniors); There are no pre-requisites.

This class will present the management of a green house in a very basic and hands on way. Students will learn about temperature controls, moisture controls, ventilation systems, soils, media, chemicals and the safety practices all involving the use of a greenhouse.

ART

Mural Painting – 90 min.; 9-12; Students will be introduced to painting selective subject matters on walls in the high school and possibly within the community.

Preference will be given to students that have taken an art class, but Mrs. Hoppe is encouraging students that haven't taken any art to sign up and participate.

Photo Editing – 45 min.; limit 10; Students will learn the basics of navigating Adobe Photoshop. They will then learn editing techniques such as layering, managing color, and some keys to retouching photos.

BUSINESS

The Stock Market - 45 min; 9-12; limit 25; The study of investing in the stock market by simulated buying and selling of individual stocks or mutual funds.

Workplace Readiness - 45 min; grade 11; **This is a Pre-requisite for Work Study.** Prepares the student for a career, while helping the student in searching for that first job. Covers resume writing and formatting; what should be included and should not be included. It will go over job shadowing, as well as the interview process; what you should and should not do and how to prepare. The class will also cover job ethics, etc.

Automated Accounting – 90 min.; 11-12, **Pre-requisite: Accounting full year.** This advanced course is primarily for students with determined career objectives in the accounting profession, who (1) want an accounting position upon graduation from high school, or (2) want to go to college and major in accounting for some phase of business. The accounting software, QuickBooks, is used to complete an accounting simulation.

Money Management – 45 min.; 10-12; limit 20 (10 seniors); Students will be introduced to the basic checkbook/record keeping, application and management of credit cards, establishment and paying off loans, and general tax preparation and decision making. Students will need to know about and have to deal with each one of these areas no matter what career path they will take. Getting a strong understanding of these areas will help ensure one's financial independence in the future.

COMPUTER

CL Publications – 45 min.; 10-12; limit 8 (4 seniors); Students will use their computer & writing skills to work on the “Iowa Hall of Pride” project. Also “We the Lions”, a compilation of school records and other information will be updated.

Audacious Web Tools – 45 min./90 min.; 10-12, limit 10, (6 seniors); **Pre-requisite:** Registered for Web Page Class next school year or previously taken Web Page. In this advanced web page course, students will create podcasts, polls, and surveys for the CL website and may assist in the creation of the senior memory show. Students can sign up for one or two period blocks. Those who are interested in serving as student webmasters must take this course to learn SOCS manager features.

Video Editing – 45 min.; 9-12; limit 10; This is a basic video editing class. As a class we will learn how to transfer video files onto a PC, add sound, different affects, and burning the video to a DVD.

FOREIGN LANGUAGE

Spanish I and II – 45 min.; 9-12; All Spanish I and Spanish II students will continue on through May Term.

Spanish III– 45min.; 10-12 Spanish III students need to continue if they are advancing to Spanish IV.

Introduction to French: 45 minutes: 9-12; limit 20; This class is an introductory class of French. Basic vocabulary, grammar and structures will be taught.

AP Spanish Language – During May Term we will continue with the AP Spanish Language syllabus. At this time of year we will focus on test taking skills and practice tests. After taking the AP Spanish Language exam, the students will evaluate the class.

FAMILY AND CONSUMER SCIENCE

Creative Foods - 90 min.; 9-12; limit 16 (10 seniors); \$20.00 lab fee; this course includes Bread baking, fancy desserts, big fat pretzels, and variety of advanced cooking techniques.

Pre-school – 90 min.; limit 12 (8 seniors); **Pre-requisite:** Child Development; FAC I, or Todays Family; Students conduct a pre-school, located in the FACS room. Special emphasis will be on learning teaching techniques for pre-school children.

Scrapbooking – 45 min.; 9-12; limit 16; Students will learn creative ways to make memory scrapbooks. Scrapbook supplies will be needed.

INDUSTRIAL TECH

Basic Auto Care – 45 min.; 9-12; limit 12 (8 seniors); A requirement will be that a student have availability to a vehicle to work with at all times. The class is designed for the student who has very little automotive car care. General auto maintenance covered will include, tire changes, oil changes, fluid lever checks, belt checks, etc. Types and kinds of products for inside and outside care. Lots of hands on care for your own car.

LANGUAGE ARTS

English I - 45 min; **required of all freshmen;** a continuation of English from semesters 1 & 2.

Greek Mythology - 45 min; 9-12; limit 20; How did the world begin? The ancient myths of the Greeks tell us one version; they also give us exciting stories of adventure and exploits. Using cooperative learning activities to develop projects and presentations, students will learn stories and their connections to modern literature, life, and thought.

Newspaper/Yearbook - 90 min; grades 9-12; limit 15; Write articles for the newspaper and hope to see them printed. Finish the yearbook using the Jostens online program.

Warriors Don't Cry – 45 min.; 9th-12th; limit 16; Examines the Little Rock Nine, the nine African-American students who were the first to integrate a US high school. Students will learn more about these brave individuals and the time period through videos, readings, and the internet.

Independent Reading - 90 min.; 9-12; limit 25; this class is a great opportunity to read the books you choose and to get credit for it. Students will make their own reading choices, then take a computerized test over the book and have a teacher conference. Essentially all class time is reading time. The grade is based on pages read, difficulty of the book, and student comprehension of the book. This class is based on the Scholastic Reading Counts program.

MATH

Math: 45 min.; Students will continue with the General Math, Pre-Algebra, Algebra I, Algebra II, and Geometry, courses if he/she plans to take the next course in the math sequence. All 9th and 10th graders must stay in their math class through May Term, except students in Basic Geometry.

AP Calculus will continue into May Term. The AP test will be taken some time in May every year, and the class must continue meeting to prepare for the test.

MUSIC

Chorus will continue.

Band will continue.

Beginning Piano - 45 min.; grades 9-12; limit 10. This course is designed for students of varying ability, from those who have no piano background to students with a little piano background who want to further their abilities. Students will learn to read music and play simple to intermediate songs using both hands.

Beginning Lessons - 45 min; 9-12; limit 14; for non-band students who want to learn an instrument or for the band students who wish to study a second instrument.

Jazz Improv. – 45 min.; introductory course for learning how to improvise jazz solos in a non-performance setting. Open to any band members who play in Jazz.

Jazz History – 45 min.; limit 24 (12 seniors); this course will study the development of Jazz Music in the United States starting with its' beginnings in New Orleans in the early 1900s through the swing era of the 30s and 40s and ending with present day Jazz Music.

SERVICE LEARNING

Service Learning – 90 min; 9-12; Working on community service projects in the community and school. All students must participate in one service learning class before graduation. Areas to be covered:

- Tree and shrub pruning
- Senior citizen assistance
- City and park maintenance
- Central Lyon beautification

Construction Project: - 90 min.; limit 14 students (5 seniors); **Prerequisite** – **Industrial Technology** (safety and tool usage). Students must bring safety glasses.

This year's construction class will be building a new ticket booth for the south end of the football complex. Plans are currently being worked on for size and building style. Student activities involved are stud laying, rafter layout, sheeting, shingling, siding, window and door installation, caulking and other finishing details. This project will be built indoors and completion should require the entire may-term session.

RECREATION

Golf - 90 min.; 9-12; limit 20; Fundamentals of golf, including rules and etiquette. Must provide your own clubs. This is intended for the student who has little or no experience in golf. If you are going out for the high school golf team or have been on it in the past, you cannot take this class.

Tennis – 90 min.; 9-12; limit 12; Students will learn the rules for playing singles and doubles tennis. They will practice hitting serves, backhand shots, and forehand shots. Some time will be spent watching tapes of professional tennis matches. They will also play singles and doubles matches including a singles tournament.

Ballroom Dance – 45 min. grades 9-12; limit 24 or 12 couples; this course is designed for learning some of the classic dances of our society, including the waltz and swing. Some time would be spent watching videos of professional dancers.

Intro to Water Resources – 90 min.; Grades 9-12; limit 13; The class will revolve around several areas of interest. The areas to be taught are: fishing as a pastime, understanding the spawning cycle of native fish to the mid-west and studying the effects of pollution on the local rivers and lakes.

The class will utilize the Iowa Dept. of Natural Resources, the Spirit Lake Hatchery, and the Lyon County Conservation Board. It will be very much a hands on class.

SCIENCE

Physical Science - 45 min; **required of all freshmen**; a continuation of science from semesters 1 & 2.

Introduction to Aerospace Engineering – 45 min.; limit 20; 9-12; (8 seniors); This class is designed to simulate the NASA competition held in Houston, TX each year. Students will be assigned to a team of peers and will be given a request for proposal assignment helping NASA solve some type of a problem associated with space travel sometime in the next 100 years. The teams will research, design, and develop a presentation to be given in front of the class. In addition to the project, students will be exposed to some of the issues that challenge NASA engineers while planning trips into outer space. A brief history of the NASA program will also be part of the class.

Introduction to Genetics: 45 min.; limit 20; 10-12; (12 seniors); Students will expand on topics in genetics studied during Biology. Emphasis will be placed on current research and medical breakthroughs so that the course will constantly be evolving based on the latest research. Each student will choose a specific genetic abnormality/disorder to report on. Various case studies will be used throughout the course to help emphasize the real world application of genetic science in our everyday lives.

Human Anatomy – 45 min.; 2 sections; 10th – 12th grade; limit 10 students per class; students will be introduced to the topic of organ systems and other structures of the human body. This course will include medical terminology, a large scale dissection lab of a fetal pig, and guest speaker(s).

Earth Systems Science: 45 min.; limit 20; 9-12; (7 seniors); This is a course designed to take a look at naturally occurring events throughout Earth's recent history and examine them from an Earth Systems perspective. Through a problem-based learning format, students will look at events such as global climate change, Hurricane Katrina, major floods and/or droughts. Instead of compartmentalizing the science involved, impacts will be looked at taking into consideration the life, Earth, and physical sciences. How the three branches influence and impact each other will be looked at so as to help the students reach some sort of a conclusion/prediction about the immediate future for the animals, plants, humans, and economic conditions in the affected area. Example: During Hurricane Katrina, the gulf coast was devastated ecologically and economically. What were the repercussions on wildlife, plant life, and human lives? How did the local, state, and federal governments respond? If the same type of disaster were to hit again along the Gulf Coast region, what would the main concerns be? Could anything be done to help prevent or lessen some of the impact? Students will explore what they know about hurricanes and determine what they need to know about Hurricane Katrina to answer these and other questions.

SOCIAL STUDIES

The Holocaust – 43 min.; 11-12; limit 25 (12 seniors); Students will take an in-depth look at the Holocaust was, why it happened, and how it happened through the examination of novels, film, and supplementary resources.

Vietnam – 45 min.; 9-12; limit 20 (10 seniors); Learn the story from those that witnessed it. Classroom visitors will recap their involvement from the time they left the states till their return home. Videos will give us a look at what our troops encountered day after day. We will investigate what drew the U.S. into our longest war. The protests, demonstrations, opposition and those that favored the war, we shall get a first hand look at it. Guest speakers, videos, Internet research, readings, group work and a final opinion will be the basis for the class.

American History – 45 min.; **required of all juniors**; a continuation of American History from semesters 1 & 2.

JFK – 45 min.; limit 20; Was it a conspiracy or wasn't it. We will do some research into the Camelot. Study the Kennedy family. How did this family become the modern day aristocrats of today?

Watergate – 45 min.; limit 20; Follow the events that led up to the resignation of Richard Nixon. The class will revolve around the use of internet research, videos, and readings.

OTHER

ACT Prep – 45 min.; 10-11; limit 15; Looking for higher ACT scores? Students will be using both computer and test preparation material from Kaplan – “the world leader in test preparation”. Also available is information about the PSAT and the SAT.

Acting/Drama Production – 90 min.; 9-12; Pre-requisite: Auditioning and being picked to be in the spring school play; Rehearse and present a full length production. Auditions will be held before May Term sign-up. Seniors accepted will be required to attend all classes until the performance date. This class will be taking the place of the All School Play and the production will be presented on Tuesday, May 23. Students who get chosen to be in the play from auditioning will automatically be scheduled into that 2 period time slot on their May Term Schedule.

Technical Theater - 45 min; 9-12; limit 14; Course will explore aspects of lighting, sound, & set construction. Will include working with the new lighting and sound systems and the stage rigging.

Mentoring - 90 min.; 9-12; limit 10: Assisting elementary students with academics. You are allowed to take this course twice.

Career Choices - 45 min; **required for all freshmen**; Students will learn to use the career planning software, eChoices, to create your own electronic portfolio & planner.

Human Relations – 45 min.; 11-12; limit of 15; Human Relations is a class that will require students to research, think, and discuss the various ways people are treated. We will cover topics such as racism, age discrimination, gender inequalities and people with disabilities. The purpose of the class is to educate students about the importance of treating all people with respect regardless of age, gender, or race.

Mock Trial – 45 min.; 9-12; limit 4 per section; Must be a high school mock trial participant; Students will assist the middle school students in trying the 1919 Chicago White Sox case. This case dealt with players from the White Sox throwing the 1919 World Series. The class will consist of a video along with case preparation and presentation to a real life jury.

Navigator – 45 min.; **required for 9th graders**; this is a class dealing with many tough decisions that will need to be made throughout the next few years. Topics like relationships, sexual activity, drugs & alcohol, and marriage will be discussed. This is an important class for you as you continue down the road of success.

Marriage – 45 min.; 10-12; limit 14; this class will deal with marriage issues in today's society. There will be group projects in which students will need to deal with real life problems and situations that may arise in families. The class will be largely discussion and project based.

Landscaping - 90 min.; 9-12; limit 16 (8 seniors); Students will become familiar with the 5 basic principles of Landscape Design:

1. The simplicity of the design
2. The balance of the design
3. The focus of interest of the design
4. The rhythm and line of the design
5. The scale and proportion of the design. Students will gain a great deal of hands - on experience designing and

developing areas around the high school and other school grounds.

EDU150A: Directed Observation – Student observation of education to gain direct insight in the way schools function, roles and responsibilities of teachers, and student behavior.

Prerequisite:

EDU210: Foundations of Education

The request for this course is being made because some colleges require hours in the classroom during Foundations of Education. This course is the course NCC combines with Foundations of Education to meet that requirement.

2010 MAY TERM COURSES

AGRICULTURE

- ◇ Farm Management
- ◇ Livestock Evaluation
- ◇ Electricity
- ◇ Greenhouse Management

ART

- ◇ Mural Painting
- ◇ Photo Editing

BUSINESS

- ◇ The Stock Market
- ◇ Workplace Readiness
- ◇ Automated Accounting
- ◇ Money Management

COMPUTER

- ◇ CL Publications
- ◇ Audacious Web Tools
- ◇ Video Editing

FOREIGN LANGUAGE

- ◇ Spanish I
- ◇ Spanish II
- ◇ Spanish III
- ◇ Introduction to French
- ◇ AP Spanish Language

FAMILY AND CONSUMER SCIENCE

- ◇ Creative Foods
- ◇ Pre-school
- ◇ Scrapbooking

INDUSTRIAL TECH

- ◇ Basic Auto Care

LANGUAGE ARTS

- ◇ English I
- ◇ Greek Mythology
- ◇ Newspaper/Yearbook
- ◇ Warriors Don't Cry
- ◇ Independent Reading

MATH

- ◇ Pre Algebra
- ◇ Gen. Math
- ◇ Algebra I
- ◇ Algebra II
- ◇ Geometry
- ◇ AP Calculus

MUSIC

- ◇ Chorus
- ◇ Band
- ◇ Beginning Piano
- ◇ Beginning Lessons
- ◇ Jazz Improv.
- ◇ Jazz History

SERVICE LEARNING

- ◇ Construction Project
- ◇ Service Learning
 - a. Tree & Shrub Pruning
 - b. Senior Citizen Assistance
 - c. City & Park maintenance
 - d. Central Lyon Beautification

RECREATION

- ◇ Golf
- ◇ Tennis
- ◇ Ballroom Dance
- ◇ Intro to Water Resources

SCIENCE

- ◇ Physical Science (requirement for 9th graders)
- ◇ Introduction to Aerospace Engineering
- ◇ Introduction to Genetics

- ◇ Human Anatomy
- ◇ Earth Systems Science

SOCIAL STUDIES

- ◇ The Holocaust
- ◇ Vietnam
- ◇ American History
- ◇ JFK
- ◇ Watergate

OTHER

- ◇ Acting/Drama Production
- ◇ Technical Theater
- ◇ Mentoring
- ◇ Career Choices (required for 9th graders)
- ◇ Mock Trial
- ◇ Human Relations
- ◇ Navigator
- ◇ ACT Prep
- ◇ Marriage
- ◇ Landscaping
- ◇ Directed Observation