

MAY TERM COURSES

AGRICULTURE

- ◇ Farm Management
- ◇ Food Science with a Twist

ART

- ◇ Mural Painting
- ◇ Ceramics
- ◇ Massive Scale Sculpture

BUSINESS/ COMPUTER

- ◇ Introduction to Screen Printing
- ◇ Contemporary Ethics
- ◇ Work Place Readiness

FOREIGN LANGUAGE

- ◇ Spanish I
- ◇ Spanish II
- ◇ Spanish III
- ◇ AP Spanish

FAMILY AND CONSUMER SCIENCE

- ◇ Food On The Run

INDUSTRIAL TECH

- ◇ Basic Auto Care
- ◇ Flip It
- ◇ Building Trades
- ◇ Pole Barn Construction

LANGUAGE ARTS

- ◇ The Woman & the Hero
- ◇ Yearbook

MATH

- ◇ General Math
- ◇ Pre Algebra
- ◇ Algebra I
- ◇ Algebra II
- ◇ Geometry
- ◇ AP Calculus
- ◇ Athletic Statistical Analysis

MUSIC

- ◇ Chorus
- ◇ Band
- ◇ Beginning/Intermediate Guitar
- ◇ Beginning Lessons/
Beginning Instrument Class
- ◇ Jazz History

SERVICE LEARNING

- ◇ Denim Project
- ◇ Mentoring
- ◇ Mock Trial
- ◇ Technical Theater
- ◇ Service Learning

RECREATION

- ◇ Ballroom Dance
- ◇ Strength & Conditioning
- ◇ Strategic Gaming

SCIENCE

- ◇ Oceanography
- ◇ Physical Science
- ◇ Physics
- ◇ Wildlife
- ◇ AP Biology
- ◇ Pre AP Chem
- ◇ Robotics

SOCIAL STUDIES

- ◇ Civil War
- ◇ The Holocaust
- ◇ American History
- ◇ State and Local Government

OTHER

- ◇ ACT Prep
- ◇ Movie Trivia
- ◇ May Term Play
- ◇ Human Relations
- ◇ Navigator
- ◇ Careers

MAY TERM COURSE DESCRIPTIONS

AGRICULTURE

Farm Management – 86 minutes; limit 15 students; Prerequisite: Must have at least 1 yr. of Ag. Ed.; The student will be engaged in mostly hands on learning involving the day to day management of a farm (the FFA farm). This will include manure management, animal health, building/repairing fencing, pouring cement, plumbing, pesticide use, vaccinations and proper livestock care. The student will not only be involved in doing these things but actually learn how and more importantly what is safe and proper and where they all fit into the overall management of a farm. I.e. what is the purpose or usefulness of manure in the field?

Food Science with a Twist – 43 min.; 9-12; Backyard barbeque like you've never seen it before. Explore the different cuts of meat, that are utilized for your barbeque. Learn the science behind seasoning, marinating, and smoking the meat that's popular for the season. The best part is, you get to eat!

ART

Mural Painting - 86 min.; 9-12; limit 10; (5 seniors); Large scale paintings in various locations. The class will go through planning and designing, drawing and painting of these areas.

Ceramics – 86 min.; 9-12; limit 15; Intro to techniques of creating and glazing.

Massive Scale Sculpture – 43 min.; 9-12; limit 15; We will be doing large scale sculptures of molds, armatures including but not limited to plaster, metal, wood as materials

BUSINESS/COMPUTER

Introduction to Screen Printing – 43 minutes, 5-10 students; Max of 12; This course will be an introduction to the art of screen printing. Students will prepare their own design using CorelDraw; create film positives, burn those onto mesh screens, and preparing the equipment to then print their design on a shirt or poster.

Contemporary Ethics – 43 min.; 9-12; Limit 20; (12 seniors); This course is an introduction to the study of ethics, including the theory of right and wrong behavior and the theory of value (goodness and badness). This course is designed to help students develop their abilities to read, explicate, analyze, and evaluate ethical situations as they pertain to daily life, business, school and athletics. Students will also be asked to express themselves about their own ethical positions and think critically about ethical issues in order to become assets to the community they live in. The class will be graded on the students writing and essay about their own ethical position as it pertains to various situations.

Work Place Readiness - 43 min; **Required for all juniors;** 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.

FOREIGN LANGUAGE

Spanish I and II – 43 min.; 9-12; All Spanish I and Spanish II students will continue on through May Term.

Spanish III– 43min.; 10-12 Spanish III students need to continue if they are advancing to Spanish IV.

AP Spanish

FAMILY AND CONSUMER SCIENCE

Food On The Run – 86 min.; 9-12; limit 20 (10 seniors); this course includes making foods for an on-the-go lifestyle. Each week a new recipe will be introduced and then students will have an opportunity to create their own recipe for the item. In an effort to improve taste, nutrition or reduce cost. Food items include, but not limited to, smoothies, energy/granola bars, and breakfast on the go.

INDUSTRIAL TECH

Basic Auto Care – 43 min.; 9-12; limit 12 (6 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 level checks, belt checks, etc. Types and kinds of products for inside and outside care. Lots of hands on care for your own car.

Flip It - 43 min.; 9-12; 6 students; Limit 8 (4 seniors); No experience needed for the class. We will help you out with tools just bring the ideas. Students will find, design, create and give purpose to a un-usable piece of material. Examples maybe pallet furniture, picture frames, lamps, barnwood projects, the sky is the limit.

Building Trades – 86 min., 10-12; limit 10; (3 seniors); Prerequisite: Construction Careers or Intro to Industrial Technolog. Student will continue work on the Tiny House.

Pole Barn Construction – 2 hour block; 9-12; limit 8 (4 seniors); Students will be building a pole barn for the FFA farm. Be willing to work outside, work with machines, and also hand tools to assemble a pole barn.

LANGUAGE ARTS

The Woman and the Hero – This course is designed to be a literary study that revolves around the idea of the “female hero” in classic and modern literature. We will explore what it means to be a literary hero, the differences that male and female characters face as they experience the hero’s journey, and explore whether literary female heroes could ever possibly be an equal literary element as their male counterparts. In this course we will read both fiction and non-fiction selections: articles, analyses, and excerpts from larger stories or books. We will also adopt a more Socratic atmosphere of discussion.

Yearbook - 43 min. or 86 min.; No pre-requisite. No Limit; This course is designed to explore the feature writing, design, and publishing of the annual school yearbook. During this course, students will be expected to attend, photograph, and report on school events and write articles as well as designing, editing, and submitting yearbook page designs. Specifically, students will learn the basics of layout design, photography, and writing copy. Together, we will collaborate, discuss, critique, and design articles and yearbook pages to produce and publish a yearbook to be proud of. And we’ll have fun doing it! Students will have the choice of taking the first 43 minutes of the course, the second 43 minutes of the course, or the entire 86 minute workshop.

MATH

Math - 43 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.

Geometry -

Algebra I

Algebra II – Juniors must stay in Algebra II during May Term

AP Calculus - 43 min.; This 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.

Athletic Statistical Analysis – 43 min.; Limit 25; (15 seniors); Statistics are used frequently in athletics to give us information about teams or individuals. In this class, we will learn how some of these statistics are calculated in variety of sports. Some calculations will be simple such as batting average where others will be more complex such as a passer rating for a quarterback. We will also discuss how the BCS rankings are done, what role RPI plays in seeding the NCAA basketball tournament, scoring of Olympic events and how the Nascar Sprint Cup standings are determined. There are a lot of different statistics in the sporting world and we will try to make sense of them during this class.

MUSIC

Chorus will continue.

Band will continue.

Beginning Lessons/Beginning Instrument Class - 43 min; 9-12; limit 12; This is a beginning band course that allows students who are not in band the opportunity to learn how to play a band instrument, or students who are in band the opportunity to learn how to play a different instrument other than the one that they already play. Students play together in a group setting, but individual instruction is given where needed.

Beginning/Intermediate Guitar – 43 min.; limit 15; This class will teach students the basics of playing the guitar. Students will learn how to play single note melodies in addition to chords. Intermediate Guitar students will build upon the knowledge they received in Beginning Guitar and focus on more chord playing as well as strumming technique.

Jazz History – 43 minutes; limit 24 (12 seniors); Students learn the history of jazz music-how it began, and how it developed over the years. Lots of listening examples are given, and we spend a lot of time watching the Ken Burns film “Jazz”. Students learn about many of the big names in jazz-Louis Armstrong, Duke Ellington, Count Basie, Benny Goodman, etc. and how they helped shape jazz music.

SERVICE LEARNING

Denim Project – 86 min.; 9-12; Limit 20 (10 seniors); No prerequisite; In this course students will be involved with various service roles that will aid the Denim Project in Haiti. This will involve cutting denim and taking inventory of supplies. Some students will be sewing bags some of the time as well. Part of each week will be spent in the classroom, and part of each week will be spent working at Rosie’s.

Mentoring - 86 min.; 9-12; limit 9: Assisting elementary students with academics. You are allowed to take this course twice.

Mock Trial – 43 min.; 9-12; limit 2 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.

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

Tech Theater - 43 min; 9-12; limit 10; This course teaches students about the inner workings of the auditorium from the stage to light and sound. Students will learn how to work with the sound and light boards and how to operate the lights and curtains on the stage. These students will be responsible for helping to set up for all events in the auditorium in May in addition to Baccalaureate and Graduation. Students may also be needed to help as tech crew for the May Term Play.

RECREATION

Ballroom Dance – 43 min. grades 9-12; limit 20-24 or 10-12 couples; This class teaches the basics of partner dancing. Students will learn how to waltz, foxtrot, tango, rumba, and swing dance. They will also learn some basic line dancing. These are dances that can be easily performed at wedding receptions or other social gatherings. Students will also watch the movie, “Take the Lead”, based on a true story of a teacher who started ballroom dance classes in a New York public school.

Strategic Gaming – 45 min.; 9-12; MAX 16 students (includes 4 repeats); In this class, you will learn and participate in pinochle, a card game brought to America by German immigrants. The standard game today is called “partnership auction pinochle,” which requires strategy, teamwork, social skills, and card counting. Each hand is played with a 48-card deck in three phases: bidding, melds, and tricks.

Strength & Conditioning - 45 min.; 9-12; This class is designed to increase student awareness of the importance of lifetime fitness. In this class students will be educated on strength and conditioning principles, and how to incorporate these principles into their daily lifestyle to best suit them. Students will be actively participating in strength and conditioning activities as well as plyometrics over a 16-week semester. Those involved with athletics will have specific workouts to follow, while those not out for sports have the option of creating their own workouts, or work through the instructor to plan workouts to best fit their needs.

SCIENCE

Physical Science - 43 min; **required of all freshmen**; a continuation of science from semesters 1 & 2. We will be focusing on Earth Science concepts.

Physics – 43 min.; grades 9-12; limit 15; In this course, we will explore the practical applications of physics in the real world. Why do roller coasters work? How does acceleration and impulse impact a car collision? What types of considerations must be taken in to account by a NASCAR driver on a short track? Emphasis will be placed on building models and understanding the mathematics that determines the models’ success or failure. Students will spend significant time in a small group setting working together to solve challenges and will be required to present their results to the class.

Oceanography – 43 min.; Oceanography will utilize Earth’s oceans to investigate the scientific world of ocean organisms, ecosystems, and the physical characteristics that make this environment different from terrestrial environments we usually study in science classrooms. Oceanography is an integrated science that will draw on our previous knowledge of physics, chemistry, and Earth science. Working in small groups and as a class, we will look at some of the issues facing our oceans today and explore the resources they provide.

Robotics – 43 min.; 9-12; limit (6 seniors); This course is an overview of the engineering profession. Topics include goal setting and career assessment of the engineering field, the engineering method and design process, written and oral communication, interpersonal skills and team building, and computer applications. Upon completion, students should be able to understand the engineering process, the engineering profession, and utilize resources to explore their engineering educational goals. We will also lay the groundwork for next year’s FTC robotics club competition.

Wildlife – 43 min.; Limit 12; Wildlife will cover different types of wildlife. We will focus on a different group each week; mammals, insects, birds, and reptiles/amphibians. Each week we will learn what makes them what they are and each student will do a research project to present over an animal from each week. We will have guest speakers throughout the month.

AP Biology – AP Biology is a requirement during May Term if you plan to take the class in the fall. The May Term class will cover several chapters and concepts so we have a better chance at covering everything before the exam next spring. AP Biology is a year-long course that is designed to prepare students for the Advanced Placement Exam in Biology. The course is designed around the new AP Biology curriculum framework that focuses on the Big Ideas in biology and their connections. The curriculum provides a basis for students to develop strong conceptual understanding in biology and the opportunity to integrate that knowledge through inquiry-based activities and laboratory investigations. There is less memorization and more content depth. Reading skills are extremely important for the format of the new test.

The AP Biology curriculum is structured around for Big Ideas: Evolution, Energy Processes, Information and Interactions. These ideas encompass the core principles and theories of all living systems. To master the concepts, students will learn through modes of: Tests, quizzes, labs, activities, video lectures, current event articles, and scientific journal.

Pre AP Chemistry – 43 min.; 10-11; **Approval from instructor**; This course is a requirement for students planning on taking AP Chemistry next year. This gives us a four week head start on helping to acclimate the students to the pace and rigor of the AP course. The first two chapters of the AP book will be covered and math remediation will be a focus.

SOCIAL STUDIES

The Holocaust – 43 min.; 10-12; limit 25 (12 seniors); Students will take an in-depth look at the Holocaust: what it was, why it happened, and how it happened through the reading of *Night* by Elie Wiesel, viewing *Schindler's List*, and examining other supplementary resources.

American History – 43 min.; **required of all sophomores**; a continuation of American History from semesters 1 & 2.

Civil War – 43 minutes 9-12; Limit 25 (12 Seniors); Class will analyze the causes of the war, important differences between the Union and the Confederacy, key battles, military strategies, and the outcomes of the United States' most deadly war.

State and Local Government – 43 min.; **required for all students before their senior year**; Limit 24 per section (48 total); Students will learn the functions of the legislative branch, executive branch, and judicial branch while also learning the basic principles of state constitutions. Students will also examine the responsibilities and functions of county and city governments. A special emphasis will be placed on how things are done in the state of Iowa, Lyon County, and the city of Rock Rapids.

OTHER

Careers – 43 min.; **required of all freshmen**; In this course students will explore different career opportunities. They will conduct an interview and then write as well as present a short report on it. Students will also read a book on careers, complete a study guide, and participate in classroom discussions. In addition, students will begin writing their resumes.

ACT Prep – 43 min.; grades 10-11; limit 15; Looking for higher ACT scores? Students will examine test strategies for taking the ACT. They will take ACT practice tests and implement strategies for improvement. Teachers of different subject areas will review specific questions and tests with students to ensure understanding of material and test improvement.

May Term Play – 86 min.; 9-12; **PRE-REQUISITE**: Students must audition and be chosen to be in the May Term Play. Auditions will be held before May Term sign-up. Students will rehearse and present a full-length production in an assembly to middle school students and give an evening performance to community members. Seniors will be required to attend all classes until the performance date. This class will be in a 2-period time block.

Human Relations – 43 min.; Limit 15; 10-12; If the class is not filled, sophomores may register to fill it; 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.

Navigator – 43 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.

Movie Trivia – 43 min.; 9-12; American movie culture, is something that has been entertaining our lives for many decades. We will be watching various types of movies from different genres, to help figure out and develop the movie's plot, character, and theme.

Concurrent Enrollment Course – 43 min.; All online college courses through NCC end on May 4th. You may plan one period during May Term to complete your online course.

