

MAY TERM COURSES

AGRICULTURE

- ◇ Farm Management
- ◇ Ag Leadership

ART

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

BUSINESS/ COMPUTER

- ◇ Introduction to Screen Printing
- ◇ Work Place Readiness

FOREIGN LANGUAGE

- ◇ American Sign Language
- ◇ Cultural Movie study
- ◇ Intro to German

FAMILY AND CONSUMER SCIENCE

- ◇ Food On The Run
- ◇ Needle & Thread-Counted Cross Stitch for Beginners
- ◇ Baking and Pastry Arts
- ◇ Tastes of Culture

INDUSTRIAL TECH

- ◇ Dragster Design/Racing
- ◇ Problem Solving Challenges
- ◇ Basic Auto Care
- ◇ Flip It
- ◇ Building Trades

LANGUAGE ARTS

- ◇ Book Club

MATH

- ◇ Pre Algebra
- ◇ Algebra I
- ◇ Algebra II
- ◇ Geometry

MUSIC/Theater

- ◇ Chorus
- ◇ Band
- ◇ Guitar/Ukulele Lessons
- ◇ Beginning Lessons
- ◇ Jazz History
- ◇ Technical Theater
- ◇ May Term Play
- ◇ Beginning/Intermediate Piano

RECREATION

- ◇ Strength & Conditioning
- ◇ Strategic Gaming
- ◇ Outdoor Recreation
- ◇ Ballroom Dance
- ◇ Tabletop Games

SCIENCE

- ◇ Oceanography
- ◇ Pre AP Chemistry
- ◇ Wildlife
- ◇ Robotics
- ◇ Pre-AP Environmental Science
- ◇ Space Settlement Design Project

SOCIAL STUDIES

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

OTHER

- ◇ ACT Prep
- ◇ Movie Trivia
- ◇ Vacation Planning 101
- ◇ Navigator
- ◇ Careers
- ◇ Study Hall
- ◇ CL Broadcasting
- ◇ Mentoring
- ◇ Origami
- ◇ Profiles in leadership
- ◇ Service Learning

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?

Ag Leadership- is a class for FFA officers where they will set up, develop, and coordinate FFA events that are going to be held throughout the course of their term as Central Lyon FFA officers. During this course, FFA officers will work on leadership skills, team bonding, and assist with many business aspects of hands for the Central Lyon FFA program.

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 working with clay/plaster/concrete/wire for larger scale sculptures.

BUSINESS/COMPUTER

Introduction to Screen Printing – 43 minutes, 5-8 students; Max of 10 (5 seniors); 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 prepare the equipment to then print their design on a shirt or poster.

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

American Sign language - 43 mins- 9-12; Super beginner level to American Sign Language. We will be following the YouTube channel "Learn how to Sign" which covers everything from why it is important to basic signs to conversations. Our goal each day is to learn about 10- 25 new signs and to combine them to simple phrases.

Cultural movie study - 43 mins; 9-12; Prerequisite: Must have 1 yr. of Spanish; In this course we will watch 2-3 movies and discuss the history, culture, and worldview.

Intro to German- 43 min.; 9-12; will focus on learning some basics. We will learn letters, numbers, culture, and some different phrases.

FAMILY AND CONSUMER SCIENCE

Food On The Run – 42 min.; 9-12; limit 15 (8 seniors); No prerequisites for this course, which includes making foods for an on-the-go lifestyle. Food items include, but not limited to, smoothies, energy/granola bars, and breakfast on the go.

Needle & Thread-Counted Cross Stitch for the Beginners – 42 min.; 9-12; limit 10-12 (5 seniors); **Cost for the class will be \$10.00. You will have to bring your own supplies.** If you have never worked with a needle and thread, and you think you might want to start this hobby, here's your chance. It is a great pastime for those who like to work with their hands, those who like the enjoyment of starting and finishing a project, and it is even known to have a calming effect on the body. What's not to love? If you have never tried it, I invite you to join. If you have already enjoyed learning this craft, come with a new, more advanced project idea and help your peers get started from scratch. Cross stitch is a great way to get introduced to other needle and thread hobbies like embroidery. It can turn into a lifelong hobby that you can enjoy for years to come.

Baking and Pastry Arts - 86 min.; 9-12; Limit 15 (8 seniors); Students will be able to prepare a wide array of baked goods, pastries, and confections. Students will explore gluten-free baking recipe planning and preparation, altering & preparing recipes to address other allergies/dietary restrictions.

Tastes of Culture – 86 min.; 9-12; Limit 15 (8 seniors); Students will explore the connections between what we eat and cultures around us. As we move around the globe, we will examine each region's dietary customs, cuisines and cooking methods.

INDUSTRIAL TECH

Dragster Design/Racing- 43 min; 4-6, limit 10 (5 seniors); Students will be designing, cutting, and assembling a CO2 dragster and then racing them at the end of May term.

Problem Solving Challenges- 43 min; 4-6, limit 10 (4 seniors) Students will be given small challenges/activities/projects with a problem to solve and they will work individually or as a group to solve and complete the task.

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; 10 students; Limit 12 (6 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 an un-usable piece of material. Examples maybe pallet furniture, picture frames, lamps, barn wood projects, the sky is the limit.

Building Trades- 86 min., 10-12, Working on the House. Students need to have taken an Industrial Technology class before this May term.

LANGUAGE ARTS

Book Club – 43 min.; 9-12; 10 students; (5 seniors); Students will choose between fiction and non-fiction reading throughout the term. Our goal will be to read one of each, but the decision will be based on student wants.. Group discussions and individual, as well as group reflections, will be utilized.

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, 10th, & 11th graders must stay in their math class through May Term, except students in Basic Geometry, or Business/Consumer Math.

Geometry -

Algebra I

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

MUSIC

Chorus will continue.

Band will continue.

Beginning Lessons/Beginning Instrument Class - 43 min; 9-12; limit 12 (5 seniors); 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.

Guitar/Ukulele – 43 min.; 9-12; limit 15 (6 seniors); 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.

Beginning/Intermediate 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.

Jazz History – 43 minutes; 9-12; 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.

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. Seniors must come back after graduation for working on the play.

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.

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) (6 seniors); 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.

Outdoor Recreation – 86 min.; 9-12; Limit 20 (8 seniors); Much of this class will be focused on learning how to play outdoor recreation games that you can play in the backyard for years to come – Cornhole, Spike Ball, frisbee golf, Kan Jam, croquet, etc.

Tabletop Games- 86 min.; 9-12; Limit 12 (4 seniors); This class will be focused on learning and playing various board, card, and strategy games. This class will test students' communication, negotiation, strategy, and teamwork skills while enjoying friendly competition with each other.

SCIENCE

Oceanography – 43 min.; 9-12; 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.

Pre-AP Environmental Science – 43 min.; Students must take the Pre AP Environmental Science May Term course in order to be enrolled in the AP course next fall. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students will understand that: 1) Science is a process. 2) Energy conversions underlie all ecological processes. 3) The Earth itself is one interconnected system. 4) Humans alter natural systems. 5) Environmental problems have a cultural and social context. And 6) Human survival depends on developing practices that will achieve sustainable systems.

Space Settlement Design – 43 min.; 9-12; Limit 15 (5 seniors); This course puts high school students in the shoes of aerospace industry engineers designing a city in space that will house over 10,000 people. Student engineers demonstrate creativity, technical competence, management skills, environmental knowledge, space, teamwork, and presentation techniques to conquer the problems inherent in siting and designing a Space Settlement (Space colony).

Pre-AP Chemistry- The purpose of Advanced Placement Chemistry is to provide a college level course in chemistry and to prepare the student to seek credit and/or appropriate placement in college chemistry courses. Instructor approval is required to enroll in the course. Students will study content approved by the Advanced Placement College Board including material found in college general chemistry courses. The topics covered include: atomic structure and properties, molecular and ionic compound structure and properties, intermolecular forces and properties, chemical reactions, kinetics, thermodynamics, equilibrium, acids and bases, and applications of thermodynamics.

Wildlife- 43 min.; 9-12; we will be learning about different categories of wildlife. We will have a different focus each week, mammals, insects, birds, etc. We will research different examples and give presentations about what is learned.

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.

Greek Mythology – 43 minutes; 9-12; limit 20; (10 seniors); In the class we will be reading the classic Greek Myth "The Odessey". "The Odessey" is an Epic Poem written by the Greek poet Homer. This tale follows the Greek Hero Odysseus and his journey home following the Greek victory over Troy.

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.

Vacation Planning 101 – 43 min.; 9-12; Limit 23 (15 seniors); This class is designed to teach students about the process of planning a vacation. I am expecting that each student will plan three trips: 1) By Car/Van 2) By Plane 3) A Cruise

For each of these trips, the students will need to create a budget. This will lead us into our discussions on hotels, food, gas, plane tickets, entertainment, etc... The students will use google maps, map quest, and other sites that will assist them in their trip planning. This will be a class where the students get to make most of the decisions with the teacher being a facilitator.

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.

CL Broadcasting – 86 min.; 9-12; Have you ever wondered what goes into producing a broadcast news program? Join us as we assemble Central Lyon's first broadcast news team! You'll have an opportunity to use your talents and creativity in designing the entire broadcast. Maybe you'll enjoy being in front of the camera as an anchor, sports reporter, a hard news reporter, or special feature reporter. Or perhaps you're more of a behind-the-scenes person who will contribute your talents as a director, producer, editor, or writer. You'll have the opportunity to wear different

hats as we produce news programs featuring Central Lyon activities, programs, and events. Who knows? We may discover the next Savannah Guthrie??? or Lester Holt ???, right here at the Central Lyon Broadcast Network!

Mentoring - 86 min.; 9-12; limit 9: (Total between all 3 times); Assisting elementary students with academics.

Origami - 43 mins; 9-12; Intro to the art of Origami. Students will learn/master a different piece each day starting at beginner and moving towards intermediate.

Profiles in Leadership- 43 min.; 9-12; Students will examine their own leadership strengths; read, discuss, and research the qualities they admire in leaders; and learn directly from local, regional, and national leaders. Students who have been elected, appointed, or are seeking leadership roles should give this course their consideration. Students will be challenged to identify how they can lead at Central Lyon, and seek opportunities to further develop their leadership talents.

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