



2016-17

GALENA HIGH SCHOOL

MISSION STATEMENT

The Galena School District will provide a dynamic learning experience in a safe environment by challenging our students to embrace excellence, character, hard work, and knowledge as tools to prepare them for life in the 21st century.

Galena High School will provide a positive and exceptional environment that will allow all students to become engaged, knowledgeable citizens and productive, responsible workers in the 21st century.

Belief Statements

All students will:

Ask questions & use critical thinking skills

Be accountable for their work and actions

Be productive & active members of the community by volunteering

Learn that happiness comes from each success

Take pride in setting their own goals and then work toward achieving them

Galena High School Goals

1. All students will improve their ability to read for comprehension across the curriculum.
2. All students will improve their mathematical skills across the curriculum.
3. All students will improve their ability to make connections between interests, skills, and possible careers across all curricular areas.
4. All students will improve their skills that make an employee successful in work across all curricular areas.

GHS GRADUATION REQUIREMENTS

Discipline	Credits Required	Courses Required
English Language Arts	4	English I, II, III and either English IV or Concurrent Credit English Composition
Social Science	3	World History, American History, and either Government or Concurrent Credit Government
Science	3	Intro to Physics/Chemistry, Biology, and one (1) other Science credit
Math	3	Classes are determined by placement. Three (3) units are required at the High School Level
Health/Physical Education	1	Physical Education
Fine Arts	1	
Computer Science	1	
Vocational Arts	1	
Electives	11	
Total Credits Required	28	

KANSAS BOARD OF REGENTS PRE-COLLEGE CURRICULUM

Five of the six state universities in Kansas, including Emporia State University, Fort Hayes State University, Kansas State University, Pittsburg state University, and Wichita State University, use the standards below to review applicants for undergraduate admission. The University of Kansas has different admission standards from those listed below, visit admissions.ku.edu for more information. Standards are set by the Kansas Board of Regents.

Accredited High School

If you are a Kansas resident who will graduate from an accredited high school during the 2015-16 year or later, you can guarantee admission to five of the state's universities by completing the Qualified Admissions or Kansas Scholars curriculum with a 2.0 GPA and by meeting one of the following requirements:

- ACT score of at least 21; or
- SAT score of at least 980, or
- Graduate in the top 1/3rd of your class

If you enroll in college courses while you are in high school, it is also required that you achieve a 2.0 GPA or higher in those courses.

Qualified Admissions Precollege Curriculum

Kansas Course Codes are used to identify courses that fulfill Qualified Admissions curriculum requirements. One unit is equivalent to one year, or two semesters. Dual enrollments, concurrent enrollment, and online courses may be used to fulfill the Qualified Admissions curriculum requirements. All courses must appear on your high school transcript, and courses completed in middle school or junior high do not fulfill the Qualified Admissions Math requirements.

English – 4 approved units – ½ unit may be Speech

Math – Must complete either:

- Option A – 3 approved units and meet the ACT college readiness math benchmark of 22
- Option B – 4 approved units, one of which must be taken in the graduating year

Social Science – 3 approved units

Natural Science – 3 approved units, one of which must be a full unit of Chemistry or Physics

Electives – 3 approved units

HONORS CURRICULUM

In February of 1997 the Galena USD 499 Board of Education approved the establishment of an "Honors Curriculum" for Galena High School Students.

English	4 credits
Math	3 credits (must include Alg. I, Geometry, & Alg. II)
Social Studies	3 credits
Science	3 credits
Physical Education/Health	1 credit
Computer Science	1 credit
Vocational Arts	1 credit
Electives	7 credits

**4 additional units from these areas: Foreign Language, English, Social Science, Math, Science, Computer Science, or Advanced Vocational Arts.
(Advanced Vocational classes are any classes above the basic class after the basic class has been taken.)**

GPA: Cumulative 3.0 GPA on a 4.0 scale as calculated after the first semester of the student's graduating year.

REQUIRED CLASSES BY GRADE LEVEL

FRESHMEN

English 1
Introduction to Physics/Chemistry
Integrated Math, Algebra I (2 blocks) or Geometry
World Geography
2-3 Electives (*Physical Education recommended)

SOPHOMORES

English II
Biology I
Algebra I, Geometry, or Algebra II
World History
3 Electives (*Foreign Language recommended for college bound)

JUNIORS

English III
American History or Concurrent Credit
American History
Geometry, Algebra II, Pre-Calculus/Concurrent
Credit College Algebra
Biology II, Chemistry I, Physics,

SENIORS

English IV or Concurrent Credit
English Composition
Government or Concurrent Credit
Government
6 Electives

COURSE DESCRIPTIONS

COMPUTER SCIENCE/BUSINESS

Graphic Design Fundamentals
Graphic Design
Computer Graphics
Project Management & Resource Scheduling
Media Technology – Workplace Experience/Yearbook
Concurrent Credit Computer Concepts & Applications
Entrepreneurship

ENGLISH LANGUAGE ARTS

English I
English II
English III
English IV
Concurrent Credit English Composition
Concurrent Credit General Literature
Fundamental Speech – college credit
Reading

FOREIGN LANGUAGE

Spanish I
Spanish II

HEALTH & PHYSICAL EDUCATION

Physical Education
Sports Fitness
Health
Driver's Ed

SCIENCE

Introduction to Physics & Chemistry
Biology
Biology II
Chemistry I
Chemistry II
Physics
Concurrent Credit Advanced Biology

VOCATIONAL – Family & Consumer Science

Career and Life Planning
Nutrition & Wellness
Consumer and Personal Finance A
Culinary Essentials
Interior Design
Human Growth and Development
Family Studies
Career Connections
Community Connections
Entrepreneurship

ELECTIVES

Library Assistant
Office Assistant

FINE ARTS

Art I
Art II
Band
Concert Choir
Drama
Elite Choir/12:50 Singers
Guitar
Jazz Band
Music Appreciation
Percussion
Piano Lab

MATH

Algebra I
Geometry
Integrated Math
Algebra II
Intermediate Algebra
Pre-Calculus/Concurrent Credit College Algebra
& Trigonometry
Calculus

SOCIAL STUDIES

World Geography
World History
American History
Concurrent Credit American History
American Government
Concurrent Credit American Government
Current Events

VOCATIONAL – INDUSTRIAL TECHNOLOGY

Introduction to Industrial Technology
Cabinet Making I
Cabinet Making II
Residential Carpentry I
Residential Carpentry II

VOCATIONAL – Off Campus

Health Science – Riverton
Automotive Service Technology - Columbus
Collision Repair Technology - Columbus
Construction Technology - Columbus
Welding Technology - Columbus

COMPUTER SCIENCE/ BUSINESS

Students must have 1 unit of Computer Science credit to graduate from Galena High School.

Graphic Design Fundamentals (.5 cr)

Grades: 9, 10, 11, 12

Graphic Design Fundamentals provides a basic understanding of the graphic design process. Topics include analyzing the design elements and principles, exploring industry tools, software and equipment and learning composition techniques to develop a quality product.

Graphic Design (1.0 cr)

Grades: 9, 10, 11, 12

Graphic Design courses emphasize design elements and principles in the purposeful arrangement of images and text to communicate a message. They focus on creating art products such as advertisements, product designs, and identity symbols. Graphic Design courses may investigate the computer's influence on and role in creating contemporary designs and provide a cultural and historical study of master design works of different periods and styles.

Computer Graphics (1.0 cr)

Grades: 9, 10, 11, 12

Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video and architecture. Typical course topics include modeling, simulation, animation and image retouching.

Project Management and Resource Scheduling (1.0 cr)

Grades: 10, 11, 12

Project Management courses provide students with the information and skills necessary for success in managing projects and operating logistical ventures in technology, business, and industry. This course covers scheduling of resources (including personnel, budget, timelines, and equipment), utilization of Gantt charts, economic principles within the workplace, and risk management. Other possible topics include developing a business plan, finance, business law, marketing and promotion strategies, insurance employee/employer relations, problem-solving and decision-making, and building leadership skills. These courses may also incorporate a survey of the careers within technology and engineering industries.

Prerequisites: A grade of "A" in beginning Computer Graphics or Graphic Design class.

Media Technology—Workplace Experience/Yearbook (1.0 cr)

Grades: 10, 11, 12

Media Technology—Workplace Experience courses provide students with work experience in fields related to media technology. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Prerequisites: By invitation only – Must have recommendation from Counselor or Graphic Design teacher.

Concurrent Credit Computer Concepts and Applications – semester class – 3 college credit hours

Grades: 11, 12

An introduction to the study of computer hardware and use of software including operating systems, Internet browser, word processing, spreadsheet, database, and presentation programs. Students need basic keyboarding skills to enroll in this course. Students will receive credit concurrently through Galena High School and Labette Community College. All criteria for this class is in accordance with Labette Community College.

Prerequisite: *Qualifying score on the ACT or Accuplacer test and teacher approval.*

ELECTIVES

Library Assistant

Grades: 11, 12

Library Assistants perform any duties deemed necessary by the Librarian to keep the library and computer labs in order. Students will have written assignments as well as performance duties (shelving books, coding books, etc.). This class is available through the approval of the Librarian. There are no exceptions to this guideline.

Prerequisite: *Teacher Approval*

Office Assistant

Grades: 11, 12

Office Assistants perform any duties deemed necessary by the Administrators to keep the office in order. Students will have written assignments as well as performance duties (filing, copying, mail delivery, etc). This class is available through the approval of the Administrators and is not available every block. There are no exceptions to this guideline.

Prerequisite: *Office Approval*

ENGLISH/LANGUAGE ARTS

Students must have 4 units of English credit to graduate from Galena High School which consists of English I, English II, English III, and either English IV or Concurrent English Composition.

English I

Grade: 9

English Language Arts I encompasses many subjects within itself: reading, writing, and grammar. Freshmen read world literature in the form of plays, novels, short stories, and poetry. Varied reading strategies and activities are utilized to help improve reading skills. Students will learn the basics of writing, from the basic paragraph to a 5 paragraph essay. To help strengthen the writing, grammar (parts of speech, apostrophes, subject-verb agreement, word usage, and fragments) will be practiced daily as well. Lastly, freshmen will be given various activities to learn new vocabulary, figurative language, and literary terminology.

English II

Grade 10

During English II, students will be exploring many different genres of literature ranging from Shakespeare to African-American Literature. Students will also be taking a deeper look at the elements poetry and short stories. Students can expect to expand their own vocabulary through various vocabulary exercises. In addition, students will improve their grammar and writing techniques.

Prerequisite: *Passing grade in English I*

English III

Grade 11

English Language Arts III encompasses many subjects within itself: reading, writing, and grammar. Juniors read American literature in the form of plays, novels, short stories, and poetry. Varied reading strategies and activities are utilized to help improve reading skills. Students will learn the basics of writing, from the basic paragraph to a 5 paragraph essay. To help strengthen the writing, grammar (fragments, run-sentences, comma splices, commas, irregular verbs, and dangling/misplaced modifiers) will be practiced daily as well. Juniors will learn the common Latin and Greek prefixes, suffixes, and root words. Lastly, juniors will be given various activities to learn new vocabulary, figurative language, and literary terminology.

Prerequisite: *Passing grade in English II*

English IV

Grade 12

During English IV, students will be exploring many different genres of literature ranging from early Anglo-Saxon Literature to Post-Depression Era Literature. Students will also be taking a deeper look at Shakespearean plays. Students can expect to expand their own vocabulary through various vocabulary exercises. In addition, students will improve their grammar and writing techniques and will learn the appropriate means of researching topics which will be demonstrated in the fourth quarter research paper.

Prerequisite: *Passing grade in English III*

Concurrent Credit English Composition – first semester class – 3 college credit hours

Grade 12

This course develops students' abilities in basic, written communication skills. Persons who plan to receive any type of degree must be able to communicate effectively, through both the spoken and written word; this class provides guidance in the areas of traditional grammar and communication logic and gives students practice in applying principles of exposition. In general, the class helps student's master language and provides them with critical thinking skills which are necessary in higher education. Students will receive credit concurrently through Galena High School and Labette Community College. All criteria for this class is in accordance with Labette Community College.

Prerequisite: *Passing grade in English III and a qualifying score on the ACT or Accuplacer test.*

Concurrent Credit General Literature – second semester class – 3 college credit hours

Grade 12

This introduction to literature course is organized around three major literary genres—short fiction, poetry, and drama. The focus is on the elements of literature that these genres have in common—plot and structure, character, setting, style, symbolism and myth, and theme. Although these common elements are considered individually in the study of each genre, the emphasis remains on the interrelationship of the elements in the literary text; they function together to produce a whole that is greater than the sum of its parts. The course also places a strong emphasis on writing about literature as an act of discovery and as a way for students to enhance their composition and critical thinking skills. Some writing activities are personal responses; some are analytical and interpretive essays. Students will receive credit concurrently through Galena High School and Labette Community College. All criteria for this class is in accordance with Labette Community College.

Prerequisite: *Successful completion of Concurrent Credit English Composition*

Fundamental Speech – 1st semester – 3 college credit hours

Grades: 11, 12

A basic study in communication theory and its practical application at all levels: intrapersonal (understanding the self), interpersonal (one-to-one relationships and small group interaction), and public speaking. Students examine factors that influence the development of self-concept and interpersonal relationships, participate in problem solving panel discussions, deliver informative and persuasive speeches, and improve their critical listening and thinking skills. Students will receive credit concurrently through Galena High School and Labette Community College. All criteria for this class is in accordance with Labette Community College.

Prerequisite: *Qualifying score on the ACT or Accuplacer test.*

Reading

Grades: 9, 10, 11

Throughout the school year, students will engage in various activities designed to build on and provide additional practice for the Kansas approved Common Core State Standards. Students will use class time to collaborate with other students, read short stories for enrichment, review rootwords/prefixes/suffixes; as well as, work with web tools like Study Island to target individual needs.

Prerequisite: *Teacher recommendation*

FINE ARTS

Students must have 1 unit of Fine Arts credit to graduate from Galena High School.

Art I

Grades: 9, 10, 11, 12

Students will develop visual observation, creative, verbal, writing, and analytical skills as related to art. Students will experiment with various media to create drawings, paintings, sculptures and other art forms. Study of fundamentals of art, tools and techniques and art history will also include discussions, verbal critiques, reading, writing of descriptive essays, quizzes, and nine-weeks and semester tests. Student artwork will be exhibited. This is a performance/project based class and absences will affect grades.

Art II

Grades: 10, 11, 12

As in Art 1, students will develop visual observation, creative, verbal, writing, and analytical skills as related to art. Students will experiment with various media to create drawings, paintings, sculptures and other art forms. Study of fundamentals of art, tools and techniques and art history will also include discussions, verbal critiques, reading, writing of descriptive essays, quizzes, and nine-weeks and semester tests. Student artwork will be exhibited. This is a performance/project based class and absences will affect grades.

This course focuses more on individual talents, using specific media/materials and interests in subject matter. The course is designed for those students who have taken Art I and demonstrated exceptional talent.

Prerequisite: Art I

Band

Grades: 9, 10, 11, 12

Band at the high school level is designed to develop students' technique for playing a brass, woodwind, or percussion instrument. During the fall, students focus on both marching and concert playing, as the band performs in parades in several communities, plus concert and marching performances at home. Band students learn a variety of genres and styles developed throughout history for the modern wind band, such as marches, chorales, overtures, movie music, programmatic works, etc. Students are encouraged to audition for honor groups at the district and state level, as well as to work on a solo and/or ensemble piece for contest in the spring. Students are graded on attendance at performances, sectionals during seminar time, and quizzes on various scales and etudes covered during class time.

Pre-requisite: Previous band experience of at least one year

Concert Choir

Grades: 9, 10, 11, 12

Concert choir is a non-auditioned chorus that provides students with the opportunity to sing a variety of vocal literature and is designed to develop vocal techniques. It specifically focuses on the ability to sing parts in a mixed ensemble.

Drama

Grades: 9, 10, 11, 12

This course is designed to make a study of the theatrical arts, including a wide variety of artistic forms ranging from Greek Tragedies to modern Teleplays, with a slight emphasis on Musical Theatre and Plays. Together the class engages in the creative and performing aspects of theatre, as well as finding ways to connect with the myriad of theatrical influences that a student may face. Students will also cultivate skills in the dramatic arts.

Elite Choir/12:50 Singers

Grade: 9, 10, 11, 12

This course is designed to develop vocal techniques and the ability to sing parts in a competitive, chamber group style. A wide variety of literature will be sung, while focusing on acapella music.

Prerequisite: 2 years of choir or the equivalent, audition only

Guitar

Grade: 9, 10, 11, 12

The class guitar course introduces guitar technique to the general student. Topics include chords, standard notation, and reading tablature, as well as other guitar-specific techniques in relation to each genre, such as power chords in rock tunes, standard notation in guitar ensemble, or capos in rhythm guitar parts. Any high school student may enroll in class guitar, regardless of prior experience in music.

Jazz Band

Grade: 9, 10, 11, and 12

Jazz band is an auditioned group for students needing or pursuing extra musical experiences in jazz genres, such as swing, funk, ballads, and other popular genres. Students work to achieve highest technical facility on their brass, woodwind, or rhythm instrument (guitar, bass, piano, or drumset) with a focus on jazz improvisation and study of basic music theory and how it relates to improvisation and composition. Students are encouraged to audition for district/state jazz band in the fall. Students must perform at all home varsity basketball games (unless they are a basketball player or cheerleader), as well as any other concert or festival scheduled during the year. All concert dates are finalized by the beginning of each school year.

Requires co-enrollment in High School Band (exceptions by director approval only)

Auditions for Jazz Band occur late in the spring semester

Music Appreciation

Grade: 9, 10, 11, 12

This course focuses specifically on students' appreciation of music. It is designed to help students explore the world of music and develop an understanding of the importance of music in their lives.

Percussion

Grade: 9, 10, 11, 12

The class percussion course is open to any student, regardless of prior experience in music. The first semester is an introduction to world drumming, aural tradition, and the history and culture of primarily African, Caribbean, and South/Central American countries from which much of our current music is derived. The second semester focuses heavily on reading music and percussion ensemble. Students learn proper technique on all the instruments they would see and hear in modern concert bands and ensembles in the United States and other countries.

Piano Lab

Grade: 9, 10, 11, 12

This course introduces students to the fundamentals of music and basic keyboarding techniques such as scales, chords, and melodic lines. More advanced techniques may also be explored by the more advanced student.

FOREIGN LANGUAGE

Spanish I

Grades: 9, 10, 11, 12

Students learn basic phrases and structures of the Spanish language, including:

- Greetings/Farewells/Basic Conversation questions
- Numbers 0-101/Age/Birthdays
- Days of the week
- Likes and dislikes/Colors
- School supplies and classes
- Saying what you're doing in the present tense
- Telling time/Question Words
- Family members/Subject Pronouns/Verbs

In addition, students will learn about the cultures of other countries and the geography of Latin America.

Students in Spanish 1 have homework/written practice almost daily along with oral practice and reading comprehension. There will be quizzes and tests given over every chapter/unit with some of them assessing oral proficiency. The average amount of time spent on Spanish homework is around 10-15 minutes daily. Students should expect a rigorous schedule of coursework and a lot of new vocabulary to study and keep with them all year.

Spanish II

Grade: 9, 10, 11, 12

Students learn how to create with the Spanish language and build on previous themes while learning new themes, which include:

- Origins of countries
- Bigger numbers 101-millions
- Sports and comparison statements
- Conversing about schedules and going and coming to/from places
- Describing art
- Learning language "shortcuts" (such and direct and indirect object pronouns)
- Saying what you're doing in the present and past tense
- Present progressive verb endings
- Saying they just did something or are going to do something
- Food and utensils
- In addition, students will study the history, culture, and geography of Spain and Latin America in great detail.

Students in Spanish 2 have homework and quizzes/tests at the same frequency as Spanish 1 students, along with oral and written practice daily. The average amount of time spent on Spanish homework is around 10-15 minutes daily. Students should expect to build on what was learned during Spanish 1 using new and more difficult language concepts.

HEALTH/PHYSICAL EDUCATION

Students must have 1 unit of Health/PE credit to graduate from Galena High School.

Physical Education

Grades: 9, 10, 11, 12

Physical Education is a class that is required for graduation at Galena High School. This class is designed to give each student a life-long knowledge of physical fitness. In each activity drills are emphasized, followed by game play. All classes start with a warm-up period and conditioning exercises before unit work begins. All students are expected to dress out and participate. When a student is sick or injured, a doctor's note is required for excusal.

Sports Fitness

Grades: 9, 10, 11, 12

Sports Fitness is a class designed for high school students participating in extracurricular sports. The course includes strength training, agility training, and endurance training.

Health

Grades: 9, 10, 11, 12 – part of the freshmen wheel – taken for 9 weeks opposite Driver's Ed

This class provides a basic overview of health and wellness. It is designed to help you make good decisions that lead to living a healthy and enjoyable lifestyle. Topics covered include: healthy living, healthy eating, social media, bullying, relationships, sex education, and the seven stages of grieving.

Driver's Ed

Grades: 9, 10, 11, 12 – part of the freshmen wheel – taken for 9 weeks opposite Health

Provides students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses. The driving section of this class will take place outside of school hours

MATHEMATICS

Students must have 3 units of Mathematics credit to graduate from Galena High School.

Algebra I

Grades: 9, 10

This class is designed to be the first of a series of classes that will lead toward college. The major objectives of this course are:

- a) to understand the basic operations of real and rational numbers
- b) to solve and graph linear equations and inequalities
- c) to solve expressions involving exponents
- d) to factor and solve equations involving polynomials
- e) to simplify radicals

Geometry

Grades: 9, 10, 11, 12

This course is to be taken after successful completion of Algebra I. The major objectives of this course are:

- a) to review concepts from Algebra I
- b) to learn the relationships involving congruent and similar triangles
- c) to learn about the properties of parallel and perpendicular lines
- d) to construct a logical chain of thought, based upon accepted if-then statements
- e) to apply formulas to different shapes to find: perimeter, area, surface area and volume

Prerequisite: Passing grade in Algebra I

Integrated Math

Grade: 9

This course is designed to help students gain the knowledge required to enter Algebra 1. The major objectives for this course are:

- a) to continue the study of integers, orders of operations, variables, expressions, & equations
- b) To solve and graph equations and inequalities
- c) To write and solve proportions
- d) To explore geometry, statistics, and graph concepts

Algebra II

Grades: 10, 11, 12

This course will review and extend the concepts used in Algebra I and is to be taken after successful completion of Geometry. The major objectives of this course are:

- a) to solve and graph linear equations and inequalities
- b) to solve and graph quadratic equations and inequalities
- c) to simplify and/or factor polynomials and radicals
- d) to develop problem solving techniques
- e) to solve systems of equations
- f) to use statistics and probabilities
- g) to learn basic logarithmic and exponential properties
- h) to learn the basics about trigonometric functions

Prerequisite: C- or better in Geometry or teacher approval

Intermediate Algebra

Grades: 11, 12

This course is designed to review and extend ideas from Algebra II in order for the students to be ready for College Algebra. The major objectives of this course are:

- a) to solve and graph linear equations and inequalities
- b) to solve and graph quadratic equations and inequalities
- c) to simplify and/or factor polynomials and radicals
- d) to develop problem solving techniques
- e) to solve systems of equations

Prerequisite: C or better & successful completion of Algebra II

Pre-Calculus/Concurrent Credit College Algebra/Trigonometry

College Algebra – 1st semester class – 3 college credit hours

College Trigonometry – 2nd semester class – 3 credit hours – must first pass College Algebra

Grades: 11, 12

This course will review and extend concepts from Algebra II and will deal extensively with trigonometry. The courses major objectives are:

- a) to graph all polynomials
- b) to solve rational, exponential and logarithmic equations
- c) to verify, solve and graph trigonometric equations
- d) to learn how to manipulate matrices
- e) to extend concepts about statistics and probabilities

Students will receive credit concurrently through Galena High School and Labette Community College. All criteria for this class is in accordance with Labette Community College.

Prerequisite: C- or better in Algebra II or teacher approval and a qualifying score on either the Compass Test or the ACT

Calculus

Grade: 12

The major objectives of this course are to master the algebra and trigonometry skills necessary to understanding the basics of calculus and to provide a strong transition from this course to calculus at the college level. Topics will include finding limits, finding derivatives and using integration, and then, applying all these to real-word situations.

Prerequisite: C- or better in Pre-Calculus or teacher approval

SCIENCE

Students must have 3 units of Science credit to graduate from Galena High School.

Introduction to Physics & Chemistry

Grade: 9

This course is designed to develop a general, conceptual understanding of Chemistry and Physics over a full school year. This IPC course is designed to provide an understanding of the world around us and how it works. This course also fosters problem solving techniques and logic. We will cover the main topics of Chemistry and Physics by means of class discussion and experiments. Six units will be covered during the year: Energy and Motion, Electricity and Energy Resources, Energy on the Move, The Nature of Matter, Diversity of Matter, and Interactions of Matter.

Biology

Grade: 10

This course is an introduction to biology. Emphasis is placed on the structure and many functions of cells and on the relationship between ecology and evolution in society. Students will develop an understanding of the importance of technology in science.

Prerequisite: Successful completion of IPC.

Biology II

Grades: 11, 12

This course presents an overview of the plant and animal kingdoms. This course presents a hands-on approach to classification, anatomy and physiology, and ecology of both plants and animals. This is for students needing a 3rd science credit who enjoy learning in a laboratory setting. Laboratory exercises are designed to emphasize and support the course concepts and stress the scientific methods of investigation.

Prerequisite: Successful completion of IPC and Biology I

Chemistry I

Grades: 10, 11, 12

Students explore the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Computer-based and traditional laboratory techniques are used to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. The main goal of this program is to provide a solid foundation in the study of matter and its changes. Through many activities students will demonstrate how theory is applicable in laboratory situations. All students will develop good methods of problem solving and proper laboratory technique. Seven units will be covered during the year: Physical Properties of Matter, Energy - Particles in Motion, Energy and States of Matter, Describing Substances, Counting Particles Too Small to See, Particles with Internal Structure, and Chemical Reactions: Particles and Energy.

Prerequisite: Grade of C or higher in Algebra

Chemistry II

Grades: 11, 12

This class is designed to give a solid background knowledge of chemistry to any student who plans on pursuing a career in science, technology, or engineering. In this class we will build and expand upon the topics covered in Chemistry I. Students will explore the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Computer-based and traditional laboratory techniques are used to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. Eight units will be covered during the year: Introduction to Stoichiometry, Further applications of Stoichiometry, Models of the Atom (revisited), Bonding and the Periodic Table, Temperature and Thermal Energy, Intermolecular Attractions and Biological Macromolecules, Chemical Equilibrium, and Acids and Bases.

Prerequisite: Grade of B or higher in Chemistry I & Algebra

Physics

Grades: 10, 11, 12

This course is offered through *Greenbush* Online Learning, a department within the Southeast Kansas Education Service. Physics mainly focuses on matter and energy. It uses the four major concepts: mass, energy, force, and charge. The goal of physics is to describe the behavior of the world. This course stresses the importance of physics in day-to-day life and aims to help the student understand the theoretical concepts of physics through practical applications. Students learn and experience the behavior of motion in one- and two-dimensions, force, work, energy, momentum and collisions, gravitation, heat, thermodynamics, waves, electricity, circuits, magnetism, and atomic physics. This helps the student understand its functions and observe the relationship between one and another. Around forty percent of the course involves virtual laboratories. In addition, the course contains multiple practical activities in each unit, which require household objects, such as rulers, meter sticks, balls, strings, paper and pencil. The course concludes with a basic exploration of atomic physics and magnetism and the relationship between the two.

Prerequisite: Algebra I and Geometry.

Concurrent Credit Advanced Biology – year long class – 5 college credit hours

Grades: 11, 12

This course presents a study of the basic concepts of living organisms using an evolutionary approach with emphasis on classification, inheritance, and ecology of plants and animals. This course is intended for students who concentration is biology and related disciplines with emphasis on knowledge of the scientific method and the chemical components and functions of cells, and tissues and organisms structure and function. Laboratory exercises are designed to emphasize and support the course concepts and stress the scientific methods of investigation. Students will receive credit concurrently through Galena High School and Labette Community College. All criteria for this class is in accordance with Labette Community College.

Prerequisite: Successful completion of Biology I and Chemistry 1, instructor approval, and a qualifying score on the ACT or Accuplacer test.

SOCIAL STUDIES

Students must have 3 units of Social Studies credit to graduate from Galena High School.

World Geography

Grade: 9

This course is a study of people, places, and environment from a physical and cultural perspective. Through a variety of classroom activities, students will gain an appreciation and understanding of the interdependent world in which they live. Students will analyze and evaluate the connection between their local and global communities. The course will emphasize the practical and responsible application of geography.

World History

Grade: 10

World History is a required course that focuses on the transformation of the world from the Renaissance and Reformation to the contemporary times we live in today. The main objective of this course is to increase the students knowledge in all areas of World History to include: politics, leaders, wars, geography, and major world events.

American History

Grade: 11

This course has been organized to help the student learn about the significant events and people that make up American History. History is the common experience that binds us together as a people. It is our heritage – what we pass on to our children and grandchildren. Our course of study will include events of more modern times from the late 1800's to the late 1900's. Units that will be studied in this course will include such topics as the Civil War and Reconstruction, the Old West, World War I, the Roaring 20's, the Depression Era, World War II, and the Cold War.

Concurrent Credit American History to 1877 – 1st semester class – 3 college credit hours

Grade: 11

A survey of the social, political, cultural, diplomatic, and economic development of North America, the British colonies, and the United States from before the arrival of Europeans to 1877. Students will receive credit concurrently through Galena High School and Labette Community College. All criteria for this class is in accordance with Labette Community College.

Prerequisite: Passing grade in World History and a qualifying score on the ACT or Accuplacer test.

Concurrent Credit American History Since 1877– 2nd semester class – 3 college credit hours

Grade: 11

A survey of the social, political, cultural, diplomatic, and economic development of the United States from 1877 to the present. Students will receive credit concurrently through Galena High School and Labette Community College. All criteria for this class is in accordance with Labette Community College.

Prerequisite: Passing grade in World History and a qualifying score on the ACT or Accuplacer test.

American Government

Grade: 12

American Government is a required course that focuses on increasing the students knowledge of how our government operates to includes

- The rules and functioning of law
- How the constitution allocates and restricts power and responsibility in the government.
- To evaluate the shared ideals and the diversity of American and political culture.
- To examine the tight and privileges in becoming an active civil participant
- To understand other systems of government.

Concurrent Credit American Government – 1st semester class – 3 college credit hours

Grade: 12

A general, systematic study of the development and structure of the American national government, with emphasis on the actual workings. Serves as a foundation for other political science courses. Students will receive credit concurrently through Galena High School and Labette Community College. All criteria for this class is in accordance with Labette Community College.

Prerequisite: Passing grade in American History and a qualifying score on the ACT or Accuplacer test.

Current Events

Grades: 9, 10, 11

This class will focus on learning about and understanding major events that take place at a local, state, national, and world levels. The instructor will use local newspapers, on-line news sources, as well as news programs and channels to expose students to major events.

VOCATIONAL

Students must have 1 unit of Vocational credit to graduate from Galena High School.

Family and Consumer Science

Career and Life Planning (semester)

Grade: 9

Self-Management courses introduce students to the skills and strategies helpful in becoming more focused, productive individuals. These courses typically emphasize goal-setting; decision-making; managing time, energy, and stress; and identifying alternatives and coping strategies. They may also allow students to explore various career and lifestyle choices.

Nutrition and Wellness A (semester)

Grades: 11, 12

Health and Life Management courses focus as much on consumer education topics (such as money management and evaluation of consumer information and advertising) as on personal health topics (such as nutrition, stress management, drug/alcohol abuse prevention, disease prevention, and first aid). Course objectives include helping students develop decision-making, communication, interpersonal, and coping skills and strategies.

Consumer and Personal Finance A (semester)

Grades: 11, 12

Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also provide an overview of the American economy.

Culinary Essentials (semester)

Grades: 10, 11, 12

These courses provide students with knowledge and skills related to sanitation and safety procedures, nutrition and dietary guidelines, food preparation (and quantity food production) and meal planning and presentation. It may also include skills as related to institutional and commercial food service, management and customer service.

Interior Design (semester)

Grades: 10, 11, 12

An application level course designed to instruct students in the skills necessary to design interior spaces that apply design elements and principles to spaces for residential and special needs (e.g. single family homes, multi-family structures, homes for special needs, child care centers, retirement homes, etc.). Topics will include meeting client's needs, legislated codes, historic considerations, current and future trends, and public policy.

Human Growth and Development A (semester)

Grades: 11, 12

Description: Human Growth and Development A provide students with knowledge about the physical, mental, emotional, and social growth and development of humans from conception to old age, with a special emphasis on birth through school age. Course content will provide an overview of life stages, with a strong tie to prenatal and birth processes; fundamentals of children's emotional and physical development; and the appropriate care of children.

Family Studies A (semester)

Grades: 11, 12

Family Living courses emphasize building and maintaining healthy interpersonal relationships among family members and other members of society. These courses often emphasize (but are not limited to) topics such as social/dating practices, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, and the various stages of life. They may also cover topics related to individual self-development, career development, personal awareness, and preparation for the responsibilities of a family member and wage earner.

Community Connections (semester)

Grade: 12

Community Connections courses provide community based/school based learning experiences mainly within the family and consumer sciences classroom. Learning goals are set by the student, teacher and community partners to create experiences and/or discussions to enhance the development of the 21st century skills (i.e. leadership, empathy, communication, problem solving, cooperation, critical thinking, and resource management) needed to be successful in human services/family and consumer sciences related careers.

Career Connections (semester)

Grade: 12

Career Connections courses provide human services/family and consumer sciences related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are set by the student, teacher and employer/adult mentor to create field experiences and/or discussions related to human services/ family and consumer sciences occupational technical skill.

Entrepreneurship (year long)

Grades: 11, 12

This course is designed for students who are interested in starting their own business in the future. Students will study the characteristics of successful entrepreneurs and how they attain personal and professional goals. Students will also examine the possible benefits and risks of investing as well as creating a business plan. Students enrolled in Entrepreneurship will help with the administration duties of the school coffee shop.

Industrial Technology

Introduction to Industrial Technology

Grade: 9

An introductory level course designed to instruct students in the basic skills necessary to all occupations in the Construction, Manufacturing, & Transportation areas.

Cabinet Making I

Grades: 10, 11, 12

A comprehensive course designed to instruct students in the basic knowledge and skills required for cabinetmaking and furniture design.

Cabinet Making II

Grades: 10, 11, 12

An advanced level application course designed to provide students with experience in constructing cases, cabinets, counters, furniture and interior woodwork.

Residential Carpentry I

Grades: 10, 11, 12

A Comprehensive course designed to instruct students in the basic knowledge and skills required for of residential structures.

Prerequisite: Industrial Technology

Residential Carpentry II

Grades: 10, 11, 12

An advanced comprehensive course designed to instruct students in skills pertaining to rough construction and finish work.

Vocational Classes Taught Off Campus

Health Science – taught at Riverton High School – 1 block

Grades: 11, 12

Provides students with the basic knowledge of health/wellness professionals in private business and industry, community organizations, and health care settings. Includes instruction in personal health, community health and welfare, nutrition, epidemiology, disease prevention, fitness and exercise, and health behaviors.

Automotive Service Technology – taught through Coffeyville Community College at the Columbus Technical Campus – half day

Grades: 11, 12

Students in Automotive Service Technology receive hands-on training in a shop environment, combined with classroom instruction. Training will be provided in automotive systems theory, service, repair, encompassing the operation, and service of all systems of the automobile. Students enrolled for two years may garner certification in this field.

Collision Repair Technology - taught through Coffeyville Community College at the Columbus Technical Campus – half day

Grades: 11, 12

The Collision Repair Program is designed to educate students in the complete repair and refinishing of collision damaged vehicles. Students will work with industry standard equipment learning the modern principles of unibody design and automotive refinishing. Students enrolled for two years may garner certification in this field.

Construction Technology Program - taught through Coffeyville Community College at the Columbus Technical Campus – half day

Grades: 11, 12

Students in the Construction Technology Program prepare for career opportunities in the building industry as construction technicians. This program offers academic and hands-on experiences to students to learn the skills demanded to be successful in the Construction Technology Field. Students enrolled for two years may garner certification in this field.

Welding Technology Program - taught through Coffeyville Community College at the Columbus Technical Campus – half day

Grades: 11, 12

The program offers the fundamentals of welding and fabrication, including piping isometrics and blueprint reading, necessary for a successful career in whatever part of the welding field chosen. Students learn cutting, gouging, welded joint member preparation, and set up of equipment for the different welding processes. Students enrolled for two years may garner certification in this field.

Galena High School Work Study Program Policy

The work release program will be available to **senior** students in order to allow them to work during school hours. Students wishing to participate in this program must be on track with graduation requirements and credits as listed in the student handbook. The work study policy is as follows:

Student Responsibilities:

1. Students must fill out and return the work release application to the principal.
2. Students must submit 2 teacher recommendations as well as one principal recommendation as part of the application process.
3. Students are responsible for finding their own employment. No arrangements will be made by the school to help students find a job.
4. Students will need to have their own reliable transportation to and from work as well as a valid driver's license. No transportation will be provided by the school.
5. Work release students will attend a half day of school as part of the program.
6. Participants will maintain good standing attendance at school as well as at their place of employment.
7. Grades in classes must be that of a C or higher while in the work release program.
8. Students must work a minimum of 20 hours per week to be part of the program.

9. A weekly log sheet of hours will be filled out by the student and signed by the employer on a weekly basis. This log sheet will be turned into the cooperating vocational teacher. This log sheet will be part of the grade.
10. Students will be responsible for a written report twice in each quarter as part of their grade.
11. Participants will have the option to eat lunch on campus or to have lunch on their own. Once a student leaves campus for work release, they are not to be on campus until after school hours. If for any reason they do return to school, they must check in through the office.
12. If a student is unable to attend school because of an illness, the student should not be at work.
13. Exceptions to these rules may be granted by the principal.

If at any time students are unable to meet the above requirements or if a student no longer has a job, work release privileges may be revoked and the student will be expected to resume coming to school for the entire day.

Cooperating Vocational Teacher Responsibilities

1. Teacher will assist in any training or classroom instruction needed for the student.
2. Keep a folder of weekly log sheets and reflection papers as turned in by student.
3. Cooperating teachers will be responsible for bi-weekly phone calls with the student's employer to monitor progress and address any issues as needed.
4. Teacher will keep a record of grades and any other pertinent information for each student that is part of the work release program.

Employer Responsibilities

1. Employers agree to maintain a minimum of 20 hours per week to the student worker.
2. An attempt should be made if possible in scheduling for the student worker to acquire some of the hours during the school hours.
3. A weekly log sheet will be signed by the employer confirming hours worked by the student worker.
4. Assist in the evaluation of the student worker through phone calls from the cooperating vocational teacher.
5. Agree to inform the cooperating vocational teacher of the dismissal of student worker from the job.