



# **DESCRIPTION OF COURSES**

**FOR**

**KEWANEE HIGH SCHOOL**



**2022 - 2023**

## AGRICULTURAL EDUCATION COURSE SEQUENCE

### FRESHMEN

Introduction to the Agricultural Industry

### SOPHOMORES

Agricultural Mechanics

Biological Science Applications in Agriculture

### JUNIORS

Agricultural Business Management (Dual Credit Option)

Agricultural Communication

Agricultural Construction

Agricultural Mechanics

Agricultural Power and Technology (Not offered every year)

Animal Science

Horticultural Production and Management (Dual Credit Option)

Natural Resources

Veterinary Technology (Dual Credit Option)

### SENIORS

Agricultural Business Management (Dual Credit Option)

Agricultural Communication

Agricultural Construction

Agricultural Leadership

Agricultural Mechanics

Agricultural Power and Technology (Not offered every year)

Animal Science

Horticultural Production and Management (Dual Credit Option)

Natural Resources

Veterinary Technology (Dual Credit Option)

Course Title: Agricultural Business Management (AG121/AG122)

Grade Level: 11, 12

Department: Career and Technical Education

Prerequisite: Intro to Agriculture (suggested)

Credit: 2 credits (counts for Consumer Education when full year completed and passed) and (Dual Credit Option w/BHE)

Term(s): full year

Course Description: This course will develop students' understanding of the agricultural industry relating to the United States and World marketplace. Instructional units include: business ownership types, planning and organizing the agribusiness, financing the agribusiness, keeping and using records in an agribusiness, operating the agribusiness, agricultural law, taxes, and developing employability skills. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. \*CASE Curriculum

Course Title: Agricultural Communication

Grade Level: 11, 12

Department: Career and Technical Education

Prerequisite: Intro to Agriculture (suggested)

Credit: 1 credit

Term(s): 1 semester (1st Semester only)

Social Media Marketing courses address social media as a marketing tool and emphasize social media tools, social media messages, and search engine optimization. Topics may include, but are not limited to, marketing information management (including marketing research), market planning, channel management, sales, promotion, product/service management, and pricing.

Course Title: Agricultural Construction

Grade Level: 11, 12

Department: Career and Technical Education

Prerequisite: Intro to Agriculture (suggested)

Credit: 2 credits

Term(s): full year

This advanced course focuses on the knowledge, hands-on skills, and workplace skills applicable to construction in the agricultural industry. Major units of instruction include personal safety, hand tools, power tools, blueprint reading, surveying, construction skills in carpentry, plumbing, electricity, concrete, block laying, drywall, and painting. Careers such as agricultural engineers, carpenters, plumbers, electricians, concrete and block layers, finishers, safety specialists, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

Course Title: Agricultural Leadership

Grade Level: 12

Department: Career and Technical Education

Prerequisite: Intro to Agriculture (suggested)

Credit: 1 credit

Term(s): 1 semester (2<sup>nd</sup> Semester only)

This course will develop students' understanding of the agricultural industry relating to the United States and World marketplace. Instructional units include: business ownership types, planning and organizing the agribusiness, financing the agribusiness, keeping and using records in an agribusiness, operating the agribusiness, agricultural law, taxes, and developing employability skills. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Course Title: Agricultural Mechanics

Grade Level: 10, 11, & 12

Department: Career and Technical Education

Prerequisite: Intro to Agriculture (suggested)

Credit: 2 credits

Term(s): full year

In this course, theory and hands-on experiences provide opportunities for students to develop basic knowledge and skills in agricultural mechanics. Instructional areas include basic shop safety, hand and power tool knowledge, fasteners, basic fundamentals of maintaining and repairing small gasoline engines, basic electricity, basic plumbing, concrete, welding, construction, and operating agricultural equipment safely. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

Course Title: Agriculture Power and Technology

Grade Level: 11, 12

Department: Career and Technical Education

Prerequisite: Intro to Agriculture (suggested)

Credit: 1 credit

Term(s): 1 semester (1st Semester only)

Course Description: This course will concentrate on expanding student's knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are: design, construction, fabrication, maintenance, welding, electricity/electronics, internal combustion engines, hydraulics, and employability skills. Careers of agricultural construction engineer, electrician, plumber, welder, equipment designer, parts manager, safety inspector, welder, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

\*CASE Curriculum



Course Title: Animal Science

Grade Level: 11, 12

Department: Career and Technical Education

Prerequisite: Intro to Agriculture (suggested)

Credit: 1 credit

Term(s): 1 semester (2nd Semester only)

This course will develop students' understanding of the livestock (beef, dairy, sheep, goats, and swine), poultry, and large (equine) animal industry. Topics of instruction include scientific investigations, genetics, animal anatomy and physiology, animal nutrition, animal reproduction, animal health, and meat science. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Course Title: Biological Science Applications in Agriculture

Grade Level: 10

Department: Career and Technical Education

Prerequisite: Intro to Agriculture (suggested)

Credit: 2 credits

Term(s): full year

Course Description: This course is designed to reinforce and extend students understanding of science by associating basic scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of plant growth and management in agriculture and the specific biological science concepts that govern management decisions. Topics of study are in the areas of initiating plant growth – cell structure and function, germination, plant sensory mechanisms, enzyme action, absorption, and managing plant growth – photosynthesis, respiration, translocation, metabolism, genetics, taxonomy, and growth regulation. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

\*CASE Curriculum

Course Title: Horticulture Production & Management (Hort192/Hort292)

Grade Level: 11, 12

Department: Career and Technical Education

Prerequisite: Intro to Agriculture (suggested)

Credit: 2 credits (Dual Credit Option w/BHE)

Term(s): full year

Course Description: This advanced course offers instruction in both the greenhouse production and landscape areas of horticulture. Units of study include plant identification, greenhouse management, growing greenhouse crops, landscape design, installation, and maintenance, horticulture mechanics, nursery management, and turf production. Agribusiness units will cover operating a horticultural business, pricing work, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Course Title: Introduction to the Agricultural Industry

Grade Level: 9

Department: Career and Technical Education

Prerequisite: none

Credit: 2 credits

Term(s): full year

Course Description: This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented. Students will learn about FFA History, Structure, parliamentary procedure, leadership skills and public speaking. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concept

Course Title: Natural Resources

Grade Level: 11 & 12

Department: Career and Technical Education

Prerequisite: Intro to Agriculture (suggested)

Credit: 2 credits

Term(s): full year

This course develops management and conservation skills in understanding the connection between agriculture and natural resources. Student knowledge and skills are developed in understanding natural resources and their importance; fish, wildlife, prairies, and forestry management and conservation; and exploring outdoor recreational enterprises. Hunting and fishing as a sport, growing and managing tree forests, and outdoor safety education will be featured. Career exploration will be discussed including park ranger, game warden, campground manager, forester, conservation officer, wildlife manager, and related occupations. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

Course Title: Veterinary Technology (VET100)

Grade Level: 11, 12

Department: Career and Technical Education

Prerequisite: Intro to Agriculture (suggested)

Credit: 2 credits (Dual Credit Option w/BHE)

Term(s): full year

Course Description: This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Topics to be discussed include veterinary terminology, anatomy, and physiology, pathology, genetics, handling and restraint, first-aid and physical examinations along with common surgical skills. Career exploration will focus on veterinarians, veterinary lab technicians, office lab assistants, small animal production, research lab assistant, and animal nutrition lab technician. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

## ART COURSE SEQUENCE

### FRESHMEN

Introduction to Art

### SOPHOMORES

Introduction to Art

Advanced Art

### JUNIORS

Introduction to Art

Advanced Art

### SENIORS

Introduction to Art

Advanced Art

Course Title: Introduction to Art

Grade Level: 9, 10, 11, 12

Department: Art

Prerequisite: None

Credit: 2 credits

Term(s): Full year

Course Description: Introduction to Art is an elective course designed to prepare you for the hands on skills and creative thinking you will need for a career in the visual arts. During the two semesters you will practice creating, problem-solving, and refining artworks through drawing, painting, and sculpture. There is a \$20.00 lab fee for each semester.



Course Title: Advanced Art

Grade Level: 10, 11, 12

Department: Art

Prerequisite: Must pass two semesters of Basic Art with a C or better.

Credit: 2 Credits

Terms: Full year

Course Description: Advanced Art is a two-semester course designed for students who want to deepen their skills in drawing, painting, and sculpture. Emphasis is place on art vocabulary, peer feedback, creative expression, originality, and visual communication. There is a \$20.00 lab fee for each semester.

## BUSINESS COURSE SEQUENCE

### FRESHMEN

Information Processing  
TDL (Transportation, Distribution, and Logistics)  
Visual Media

### SOPHOMORES

Information Processing  
TDL (Transportation, Distribution, and Logistics)  
Visual Media  
Social Media Marketing  
Entrepreneurship

### JUNIORS

Information Processing  
TDL (Transportation, Distribution, and Logistics)  
Visual Media  
Social Media Marketing  
Entrepreneurship  
Accounting  
Business Economics  
Intro to Business  
CO OP Work Program  
Computer Science 100 (Dual Credit Option)  
Programming

### SENIORS

Information Processing  
TDL (Transportation, Distribution, and Logistics)  
Visual Media  
Social Media Marketing  
Entrepreneurship  
Accounting  
Business Economics  
Intro to Business  
CO OP Work Program  
Computer Science 100 (Dual Credit Option)  
Programming

Course Title: Accounting

Grade Level: 11, 12

Department: Career and Technical Education

Prerequisite: Some math skills

Credit: 1 credit

Term(s): 1 semester (2<sup>nd</sup> Semester Only)

Accounting I is a course assists students pursuing a career in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. Accounting computer applications should be integrated throughout the course where applicable. In addition to stressing basic fundamentals and terminology of accounting, instruction should provide initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field. Processing employee benefits may also be included.

Course Title: Business Economics

Grade Level: 11 & 12

Department: Career and Technical Education

Prerequisite: none

Credit: 2 credits

Term(s): 1 Year

Course Description: Business Economics courses integrate economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk).

Course Title: Computer Science 100 (CS100)

Grade Level: 11, 12

Department: Career and Technical Education

Prerequisite: Prefer Information Processing

Credit: 1 credit (Dual Credit Option w/BHE)

Term(s): 1 semester (1<sup>st</sup> Semester Only)

Course Description: CS 100 is an introductory class to expose students to current operating systems and Microsoft Office products including: Word, PowerPoint, Excel, and Access. This class is available for dual credit through Black Hawk College, and the reading Compass test is required for entrance into Black Hawk's program. This class requires you to read and follow multi step instructions as you learn to manipulate and create documents. This class is accepted as a math credit through Black Hawk College. Marquee Productions puts together an excellent resource that has step by step informative instructions on how to achieve success in this class. Armed with this tutorial guide success is inevitable in this class.

Course Title: CO-OP Work Program

Grade Level: 11, 12

Department: Career and Technical Education

Prerequisite: none

Credit: 4 credits (2 credits per semester)

Term(s): One year (Counts for Consumer Education when full year completed and passed.)

Course Description: Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. For skills related to the job, refer to the skill development course sequences, the task list or related occupational skill standards of the desired occupational program. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws and regulations.

Course Title: Entrepreneurship

Grade Level: 10, 11, & 12

Department: Career and Technical Education

Prerequisite: none

Credit: 1 credit

Term(s): 1 semester (2<sup>nd</sup> Semester Only)

Course Description: Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

Course Title: Information Processing

Grade Level: 9, 10, 11, & 12

Department: Career and Technical Education

Prerequisite: none

Credit: 1 credit

Term(s): 1 semester (1<sup>st</sup> Semester Only)

Course Description: Information Processing I is a skill-level course that includes the concepts and terminology related to the people, equipment, and procedures of information processing as well as skill development in the use of information processing equipment.

Students will operate computer equipment to prepare memos, letters, reports, and forms. Students will create rough drafts, correct copy, process incoming and outgoing telephone calls and mail, and transmit and receive messages electronically. Students will create, input, and update databases and spreadsheets. Students will create data directories; copy, rename, move, and delete files, and perform backup procedures. In addition, students will prepare files to merge, as well as create mailing labels and envelopes from merge files.

Students will learn to locate and retrieve information from hard copy and electronic sources, and prepare masters for presentations using presentation software. Students will apply proper grammar, punctuation, spelling and proofreading practices. Accuracy will be emphasized.

Workplace skills as well as communication skills (thinking, listening, composing, revising, editing, and speaking) will be taught and integrated throughout this course.



Course Title: Intro to Business

Grade Level: 11 & 12

Department: Career and Technical Education

Prerequisite: none

Credit: 2 credits (Counts for Consumer Education when full year completed and passed.)

Term(s): 1 Year

Course Description: Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial, accounting, management, and related fields.

Course Title: Programming

Grade Level: 11 & 12

Department: Career and Technical Education

Prerequisite: None

Credit: 1 credit

Term(s): 1 semester (2<sup>nd</sup> Semester Only)

Course Description: Computer Operations and Programming I is the first of two skill-level courses designed to develop computer programming and program design skills through the use of various programming languages such as Visual Basic, C#, Java, and other object-oriented languages. Students will be exposed to the fundamentals of system analysis and design (e.g. flowcharting, diagramming, system design and planning), and the systems development life cycle. Instruction will include basic programming tools that are common to many programming languages. These may include items such as input/output statements, constants, assignment statements, string and numeric variable types, conditional processing, and branching and looping control structures. Students will learn programming techniques such as counting, averaging, rounding, and generation of random numbers to develop a good programming technique. Students will apply what they learn to create programs and applications that solve real world business related problems. Students will create programs to store, locate and retrieve data.

Course Title: Social Media Marketing

Grade Level: 10, 11, & 12

Department: Career and Technical Education

Prerequisite: Information Processing

Credit: 1 credit

Term(s): 1 semester (2<sup>nd</sup> Semester Only)

Course Description: Social Media Marketing courses address social media as a marketing tool and emphasize social media tools, social media messages, and search engine optimization. Topics may include, but are not limited to, marketing information management (including marketing research), market planning, channel management, sales, promotion, product/service management, and pricing.

Course Title: TDL (Transportation, Distribution, and Logistics)

Grade Level: 9, 10, 11, & 12

Department: Career and Technical Education

Prerequisite: None

Credit: 1 credit

Term(s): 1 Semester (1<sup>st</sup> Semester Only)

Course Description: Exploration of Transportation, Distribution, and Logistics courses introduce students to careers that involve the planning, management, and movement of people, materials, and products using any of several modes of transport. Such careers may also involve infrastructure, vehicular maintenance and repair, and operating or managing facilities that hold what is being transported. Therefore, specific course topics vary widely and depend upon the careers being explored.

Course Title: Visual Media

Grade Level: 9, 10, 11, & 12

Department: Career and Technical Education

Prerequisite: None

Credit: 1 credit

Term(s): 1 Semester (1<sup>st</sup> Semester Only)

Course Description: Visual Media is a skill-level course designed to prepare students to plan, design, create and maintain web pages and sites. Students will learn the fundamentals of web page design using HTML, HTML editors, and graphic editors as well as programming tools such as JavaScript. Students will work in a project-based environment to create a working website. Students will learn to create pages, add hyperlinks, make tables and frames, create forms, integrate images, and set styles. Students will use image-editing programs to manipulate scanned images, computer graphics, and original artwork. Instruction will include creating graphical headers, interactive menus and buttons, and visually appealing backgrounds. Students will use hardware and software to capture, edit, create, and compress audio and video clips.

## CONSUMER ED COURSE SEQUENCE

### FRESHMEN

### SOPHOMORES

Consumer Ed

### JUNIORS

Consumer Ed

### SENIORS

Consumer Ed

Course Title: Consumer Education

Grade Level: 10, 11, 12

Department: Career & Technical Education

Prerequisite: none

Credit: 1 credit

Term(s): 1 semester

Course Description: Consumer Education is a required course for graduation. This course prepares students for wise and responsible citizenship. It emphasizes the development of the individual in the skills, concepts and understandings required in everyday life. Young people today, perhaps more than ever before, need to understand personal, economic and social values within the concept of the democratic system. This course strives to teach them that.

## DRIVER EDUCATION COURSE SEQUENCE

### FRESHMEN

Driver Education

### SOPHOMORES

Driver Education

### JUNIORS

Driver Education

### SENIORS

Driver Education



Course Title: Driver Education

Grade Level: 9, 10, 11, and 12 (who meet state requirements)

Department: Driver Education

Prerequisite: Must have received a passing grade in at least 8 courses during the previous 2 semesters.

Credit: .5 credits for passing both phases of the course

Term(s): Monday through Friday for 45 days of a semester.

Course Description: Driver Education is required of all students who meet prerequisites, or upper class men who finally meet prerequisites (unless 18yrs of age). The students must have a certified copy of the student's birth certificate on file in the school.

Classroom phase: The class will meet Monday through Friday for 45 days during a semester. After the 45th day, students will report to study hall for the remainder of the semester. The classroom phase of instruction is given at or just before the time when the pupils reach the legal age for behind the wheel instruction, and the classroom phase of instruction shall emphasize the development of knowledge, attitude, habits, and skills necessary for the safe operation of motor vehicles insofar as they can be taught in the classroom. Driver Education is dedicated to the idea of helping young people save their lives, since each year more than twice as many people in our 15-24 age group are killed by motor vehicle accidents as by the next greatest cause of death. Thirty (30) clock hours minimum are required in the classroom phase of Driver Education.

Behind the Wheel: All students must have an instruction permit before participation in practice driving is legally possible. Our purpose is to help enable the student to handle the car and controls comfortably so he/she can give full attention to handling traffic situations effectively, **six (6) clock hours of behind the wheel, and six (6) clock hours of observation time, are spent in the car.**

Observation time: Refers to that time during which a student is riding in the back seat of a dual-control vehicle observing instructions of the driver education instructor and procedures and techniques of the student driver who is participating in behind-the-wheel instruction. At least one but not more than three student observers must be in the car during behind-the-wheel instruction.

Administrative Rule: 23 Ill. Admin. Code Part 252.20(c)(3)

## ENGLISH COURSE SEQUENCE

### FRESHMEN

English 9

College English 1

### SOPHOMORES

English 9

English 10

College English 1

College English 2

### JUNIORS

English 9

English 10

English 11

College English 1

College English 2

College English 3

### SENIORS

English 9

English 10

English 11

Senior English

College English 1

College English 2

College English 3

English 101 (Dual Credit Option)

English 101/102 (Dual Credit Option)

Boiler English (Recovery of Failed English)

Course Title: English 9

Grade Level: 9, 10, 11, 12

Department: English

Prerequisite: none

Credit: 2 credits

Term(s): Full Year

Course Description: English 9 is a required course for graduation. English 9 emphasizes basic grammar principles, expanding the sentence core and improving vocabulary and reading comprehension. Students will also concentrate on the development of clear, well supported paragraphs. The types of writing included are expository, persuasive, narrative, and argumentative. Students will apply the writing process to all writing assignments. Basic literary elements in a short story, novel, nonfiction, and play will be introduced.

Course Title: English 10

Grade Level: 10, 11, 12

Department: English

Prerequisite: English 9

Credit: 2 credits

Term(s): Full Year

Course Description: English 10 is a required course for graduation. Writing and Reading skills already introduced in English 9 are continued in English 10 with emphasis on focus, organization, support/elaboration, conventions, and integration. The types of writing included are expository, descriptive, persuasive, and narrative. Students will focus on sentence structure and usage. Oral communication skills are also emphasized to help students in future school and work activities. The study of various literary genres including: short story, essay, novel, poetry, and drama. Both fiction and nonfiction selections will be covered. Basic literary terms will be taught as well. Essay form will be covered in detail as students will write throughout the course.

Course Title: English 11

Grade Level: 11, 12

Department: English

Prerequisite: English 9 & 10

Credit: 2 credits

Term(s): Full Year

Course Description: English 11 is a required course for graduation. English 11 is a continuation of the skills taught in English 10. Special emphasis is placed upon the grammatical and rhetorical skills needed for the Prairie State and ACT tests - Students may also study vocabulary. Students will work on expanding their writing skills to well-supported short essays. Students will continue to improve their writing skills through the use of narrative, persuasive, or expository paragraphs as they relate to the literary work. Special emphasis will be placed on reading comprehension skills.

Course Title: College English I

Grade Level: 9, 10, 11, 12

Department: English

Prerequisite: none

Credit: 2 credits

Term(s): Full Year

Course Description: Freshman composition is a required course. College Composition I will concentrate on improving and expanding the student's ability to write paragraphs and papers clearly and accurately through the application of the writing process. The types of writing included are expository, descriptive, persuasive, and narrative. The course also reviews the basic elements of grammar (parts of speech, sentence parts, etc.) and presents additional grammatical and sentence structure (verbals, clauses, etc.) In addition, students read a classic novel, studying its elements and using it as the basis of many writing assignments.

Course Title: College English II

Grade Level: 10, 11, 12

Department: English

Prerequisite: College English 1

Credit: 2 credits

Term(s): Full Year

Course Description: English Composition II is a required course for graduation. Writing skills already introduced in College Composition I are continued in College Composition II with emphasis on focus, organization, support/elaboration, conventions, and integration. The types of writing included are expository, descriptive, persuasive, and narrative. Students will focus on sentence structure and usage. Oral communication skills are also emphasized to help students in future school and work activities. In addition, students will work on independent reading projects.

Course Title: College English III

Grade Level: 11, 12

Department: English

Prerequisite: College English I and II

Credit: 2 credits

Term(s): Full Year

Course Description: College English III is a required course for graduation. College English III is designed to give the students a concentrated review of grammatical skills needed for future college writing. Research writing will also be covered. The students are expected to demonstrate a high level of competence in the basic composition forms by the end of the semester. Students may also study vocabulary.



Course Title: English 101

Grade Level: 12

Department: English

Prerequisite: College English I, II, III, **Adequate placement test scores.**

Credit: 2 credits (3 hours Dual Credit issued from Black Hawk College with grade of C or better)

Term(s): full year

Course Description: This year long course will include composition and literature and will primarily prepare the student for the demands of college English as well as other study skills. Writing at the sentence, paragraph, and essay level will be discussed in depth. The main emphasis in this semester is to improve student writing for the college level. Per Black Hawk College requirements, students will write 5 essays totaling 18-20 pages, including a 5-7 page research paper. Literature will focus on British Literature and will trace the origin of the language as it evolved. Emphasis will be on close reading and analysis which will be demanded at the college level.

This course is an alternative to Senior English or English 101/102.

Course Title: English 101/102

Grade Level: 12

Department: English

Prerequisite: College English I, II, III, **Adequate placement test score.**

Credit: 2 credits (3 hours Dual Credit issued from Black Hawk College per semester)

Term(s): full year

Course Description: This year-long course will include composition and literature and will primarily prepare the student for the demands of college English as well as other study skills. Writing at the sentence, paragraph, and essay level will be discussed in depth. The main emphasis in this course is to improve student writing for the college level. The first semester will earn 3 hours of dual credit for English 101. Per Black Hawk College requirements, in the English 101 semester, students will write 5 essays totaling 18-20 pages, including a 5-7 page research paper. If a passing grade of C or better is earned in English 101, the student will earn English 102 credit second semester. Per Black Hawk College requirements, in the English 102 semester, students will write 4 essays totaling 20-25 pages, including an 8-10 page research paper. Literature will focus on British Literature and will trace the origin of the language as it evolved. Emphasis will be on close reading which will be demanded at the college level. This course is an alternative to Senior English or English 101.

This course is an alternative to Senior English or English 101.

Course Title: Senior English

Grade Level: 12

Department: English

Prerequisite: English 9, 10, and 11 or College English I, II, and III

Credit: 2 credits

Term(s): Full Year

Course Description: This class is designed to provide students with basic writing skills needed to succeed in various occupations and at the collegiate level. It is designed to review the basic components of writing as well as the various forms. Students will focus on writing sentences, paragraphs, and essays. Upon passing this class, students will demonstrate the necessary skills to communicate effectively in writing. Literature will focus on modern classics and related fiction and nonfiction readings. Upon passing this class, students will demonstrate the necessary skills to understand and apply a variety of written material.

This course is an alternative to English 101 or English 101/102.

Course Title: Boiler English

Grade Level: 12

Department: English (Credit Recovery)

Prerequisite: Failed English Course

Credit: 1 or 2 credits

Term(s): Semester or Full Year

Course Description: Boiler English is a credit-retrieval course in which seniors use PLATO online coursework to make up previously-failed English credits.

## FRESHMEN

Clothing & Textiles  
Foods & Nutrition

## SOPHOMORES

Clothing & Textiles  
Foods & Nutrition  
Nutrition and Culinary Arts

## JUNIORS

Clothing & Textiles  
Foods & Nutrition  
Parenting & Child Development  
Nutrition and Culinary Arts  
Culinary Occupations

## SENIORS

Clothing & Textiles  
Foods & Nutrition  
Parenting & Child Development  
Nutrition and Culinary Arts  
Culinary Occupations

Course Title: Parenting

Grade Level: 10, 11, 12

Department: Family and Consumer Science

Prerequisite: none

Co-Requisite: Child Development

Credit: 1 credit

Term(s): 1 semester

Course Description: Parenting is an elective course. Special attention is given to preparing for parenthood, prenatal development and care, and childbirth. Many types of parenting situations are examined and various types of parenting crisis are emphasized. The class discussion includes caring and guiding of the infant, toddler, school age child and adolescent. The course content includes stress prevention and management and the work of community agencies that help parents deal with various types of parenting crisis are emphasized. Special attention is given to the needs of teenage parents and to the importance of readiness for parenthood.

Course Title: Child Development

Grade Level: 10, 11, 12

Department: Family and Consumer Sciences

Prerequisite: none

Co-Requisite: Parenting

Credit: 1 credit

Term(s): 1 semester

Course Description: Child Development is an elective course. This course emphasizes learning experiences which help students gain knowledge and understanding of the intellectual, physical, social and emotional development of children before conception through adolescence. The course content should center around the following duty areas: managing and organizing child development by applying decision-making and goal-setting skills; promoting child development by applying physical, social, intellectual and emotional principles; practicing health and safety standards for children; meeting children's adequate clothing needs; food and nutrition; providing experience which encourage children to maximize resources; encouraging human relations skills in children; and evaluating family and career changes in relation to impact on children. Information related to careers in child care is incorporated throughout the course.

Course Title: Clothing and Textiles I

Grade Level: 9, 10, 11, 12

Department: Family and Consumer Sciences

Prerequisite: none

Credit: 1 credit

Term(s): 1 semester

Course Description: Clothing and Textiles I is an elective course. This course is planned to provide opportunities to develop knowledge and understanding of textiles, fabric trends, fashions as related to personal and family needs, and retail demands. Construction skills will be taught as a basis for introducing quality workmanship, alteration techniques, and clothing maintenance. Career and educational opportunities in the world of fashion and textile related fields will be explored.



Course Title: Culinary Occupations

Grade Level: 11, 12

Department: Family and Consumer Science

Prerequisite: none

Credit: 2 credits

Term(s): 1 year

Course Description: This course provides terminology, culinary math, and practical experiences needed for the development of culinary competencies and workplace skills. Safety and sanitation instruction and classroom application will prepare students for an industry recognized sanitation exam. Classroom experiences will develop skills to work in the front of the house, back of the house, and workstations. Additional content may include: event planning, customer service and relations, food service styles, baking and pastry arts, hors d'oeuvres, and breakfast cookery. Students will be provided opportunity training experiences on commercial equipment.

Course Title: Foods & Nutrition

Grade Level: 9, 10, 11, 12

Department: Family and Consumer Sciences

Prerequisite: none

Credit: 1 credit

Term(s): 1 semester

Course Description: Foods & Nutrition is an elective course. This course is planned to provide opportunities to develop knowledge and understanding of foods & nutrition, as related to personal and family needs. Areas covered include: nutrition, measuring and equipment, kitchen and food safety, units in milk, fruits and vegetables, meat, one dish meals, breads, foreign foods, baking, and cake decorating. Career and educational opportunities in the world of foods & nutrition fields will be explored.

Course Title: Nutrition and Culinary Arts

Grade Level: 10, 11, 12

Department: Family and Consumer Science

Prerequisite: none

Credit: 2 credits

Term(s): 1 Year

Course Description: This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. course content encompass': food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/serving food; applying hospitality skills; analyzing nutritional needs in relation to change; and careers in nutrition and culinary arts, including entrepreneurship investigation.

## FOREIGN LANGUAGES COURSE SEQUENCE

### FRESHMEN

Spanish I

### SOPHOMORES

Spanish I

Spanish II

### JUNIORS

Spanish I

Spanish II

Spanish III (Dual Credit Option)

### SENIORS

Spanish I

Spanish II

Spanish III (Dual Credit Option)

Spanish IV (Dual Credit Option)

Course Title: Spanish I

Grade Level: 9, 10, 11, 12

Department: Foreign Language

Prerequisite: C or Better in 8<sup>th</sup> Grade English or previous year of English

Credit: 2 credits

Term(s): full year

Course Description: Spanish I is an elective course. This course is designed to present materials in such a way that the student will derive pleasure and satisfaction in acquiring the language skills. The course also enables the student to: (1) comprehend the language spoken at conversational speed on subjects within their vocabulary range; (2) read material involving vocabulary and construction studied; (3) write in an idiomatic style (everyday expressions about ordinary daily activities) on subjects within their vocabulary range; (4) Gain a cultural understanding of the countries where Spanish is spoken. It is required for a student entering Spanish I to meet the prerequisite. It is recommended a college bound student complete four years of the same foreign language.

Course Title: Spanish II

Grade Level: 10, 11, 12 or meets prerequisite

Department: Foreign Language

Prerequisite: Successful completion of both semesters of Spanish I

Credit: 2 credits

Term(s): full year

Course Description: Spanish II is an elective course. This course is a continuation of the objectives and skills presented in Spanish I. It is designed to present materials in such a way that the student will derive pleasure and satisfaction in acquiring the language skills. The course also enables the students to: (1) comprehend the language spoken at conversational speed on subjects within their vocabulary range; (2) read material involving vocabulary and construction studied; (3) write in idiomatic style (everyday expressions about ordinary daily activities) on subjects studied; (4) become acquainted with the cultural background of the countries where Spanish is spoken. It is recommended a college bound student complete four years of the same foreign language.

Course Title: Spanish 3 (SPAN201)

Grade Level: 11, 12 or meet prerequisites

Department: Foreign Language

Prerequisite: Successful completion of both semesters of Spanish I and Spanish II

Credit: 2 credits (Dual Credit Option w/BHC)

Term(s): full year

Course Description: Spanish III is an elective course. This course is designed to (1) continue development of conversational ability; (2) continue to increase the vocabulary span; (3) improve reading ability; (4) develop ability in written composition on the subjects studied; (5) teach and practice more advanced grammar and structure; (6) increase knowledge of the culture, the literature and the art of the countries studied through reading on these subjects in Spanish. It is recommended a college bound student complete four years of the same foreign language.

Course Title: Spanish 4 (SPAN202)

Grade Level: 12 or meets prerequisites

Department: Foreign Language

Prerequisite: Successful completion of both semesters of Spanish I, Spanish II, Spanish 3

Credit: 2 credits (Dual Credit Option w/BHC)

Term(s): full year

Course Description: Spanish 4 is an elective course. This course is designed to (1) practice and refine speaking ability with an emphasis on conversational skills; (2) present a review of the grammatical structures of the language; (3) expose students to a literary text in Spanish; (4) Study cultural perspectives and analyze the countries where Spanish is spoken. This course is taught in Spanish. It is recommended a college bound student complete four years of the same foreign language.



## INDUSTRIAL EDUCATION COURSE SEQUENCE

### FRESHMEN

Exploring Technology Applications  
Robotics

### SOPHOMORES

Exploring Technology Applications  
Robotics  
Welding I

### JUNIORS

Emerging Technologies  
Robotics  
Welding I  
BHE Welding=WLD 101, WLD 102, WLD 103, WLD105, WLD 117, WLD 118, (Dual Credit)

### SENIORS

Emerging Technologies  
Robotics  
Welding I  
BHE Welding=WLD 101, WLD 102, WLD 103, WLD105, WLD 117, WLD 118 (Dual Credit)

Course Title: BHE Welding (WLD101, WLD102, WLD103, WLD105, WLD117, & WLD118)

Grade Level: 11, 12

Department: Career and Technical Education

Prerequisite: Welding Processes I and permission of instructor, parent/guardian, Counselor

Credit: 2 credits (Dual Credit Option w/BHC)

Term(s): full year

Course Descriptions:

WLD 101 - Introduction to Arc Welding:

The study of arc welding processes that are most widely used in lead industry. Students will learn about shop equipment, safety, and housekeeping. Electrode selection and identification will be studied. These types of weld joints are thoroughly discussed.

WLD 102 - Basic Arc Welding Flat Position:

Prerequisite: WLD 101. This course is a continuation of WLD 101. Using the flat position, the student will weld three beads, tee-joints, butt joints, and outside corner to specifications given by the instructor. Shop safety will be stressed.

WLD 103 - Arc Welding Flat & Horizontal Position:

Prerequisite: WLD 102. This course is a continuation of WLD 102, using the flat position and horizontal welding position. Students will weld using various electrode grades. A V-groove test must be passed. Shop safety will be employed.

WLD 105 – Intro to Gas Welding:

Prerequisite: WLD103. An introduction to gas welding and cutting with emphasis on obtaining manipulative skills in each area.

WLD 117 - Arc Welding in Vertical Position 2:

Prerequisite: WLD 105. This course is a continuation of WLD 105 using the vertical and overhead welding positions. Students will weld using various electrode grades. A V-groove test must be passed. Shop safety will be emphasized.

WLD 118 - Arc Welding in Overhead Position:

Prerequisite: WLD 117. This course is a continuation of WLD 117 using the overhead welding position. Students will weld using various electrode grades on various materials. A V-groove test must be passed. Shop safety will be emphasized.

Course Title: Emerging Technologies

Grade Level: 11, & 12

Department: Career and Technical Education

Prerequisite: Exploring Technology Applications

Credit: 2 credits

Term(s): full year

Course Description: Emerging Technologies courses emphasize students' exposure to and understanding of new and emerging technologies. The range of technological issues varies widely but typically include lasers, fiber optics, electronics, robotics, computer technologies (software engineering), Game Art and Design, CAD/CAM, communication modalities, and transportation technologies.

Course Title: Exploring Technology Applications

Grade Level: 9, 10

Department: Career and Technical Education

Prerequisite: none

Credit: 2

Term(s): full year

Course Description: Exploring Technology Applications is designed to help students understand technology as a broad field of knowledge stretching far beyond computers and other electronic devices. Each quarter of this one-year course offers an overview of a major field of technology within our culture: communication, production, energy utilization, transportation. By design, this class will have more class time and less lab time than the skill-level classes within the Industrial Education department.

Communication: Various forms of mass communication are studied, along with the systems and devices which make them possible. Especially emphasized is drafting and print reading, as they are an essential job skill in many fields.

Production: Processes and materials used to mass produce the goods we use every day will be explored. Of special focus will be the safe use of hand tools and machines, as a mass production project is selected and completed. Problem solving and design will be important factors in lab work.

Energy Utilization: Sources of energy, their applications and the systems which harness them are studied. One highlight is the understanding and use of electricity, especially as applied in home situations. Students will wire actual lighting and power circuits in a lab setting.

Transportation: Exploration among the multitude of transportation modes will take place. Special focus will be given to emerging technologies which are more energy efficient and have less impact upon the environment. Lab work will focus on aviation and aerodynamics as small-scale gliders are built and flown.

Course Title: Robotics

Grade Level: 9, 10, 11, 12

Department: Career and Technical Education

Co-Requisite: Exploring Technology Applications (Suggested)

Credit: 2 credits

Term(s): full year

Course Description: Robotics courses help students develop and expand their skills and knowledge of robotics and related scientific and engineering topics. Course topics may include principles of mechanics, electronics, hydraulics, pneumatics, programmable logic controllers. These courses may emphasize the use of engineering principles to design and build robots, construct and connect sensors, and program robots in the programming language.

Course Title: Welding Processes I

Grade Level: 10, 11, 12

Department: Career and Technical Education

Prerequisite: Exploring Technology Applications

Credit: 2 credits

Term(s): full year

Course Description: A skill-level course offering students experience in shielded metal arc welding (SMAW), gas metal arc welding (GMAW), gas tungsten arc welding (GTAW), oxyacetylene welding and cutting, and plasma arc cutting (PAC). Safe working practices are taught and required, and equipment setup and maintenance are stressed. Topics include welding symbol and print reading, material selection, soldering and brazing, metallurgy and welding careers. Students will use the processes mentioned to perform selected weld joints from among flat, horizontal, vertical and overhead positions. Manufacturing techniques and production setups will be discussed. (Repeatable course, with teacher advancing student depending on previous knowledge designated as Welding Processes 2.)

## MATHEMATICS COURSE SEQUENCE

### FRESHMEN

Informal Algebra  
Algebra I  
Geometry

### SOPHOMORES

Informal Algebra  
Informal Geometry  
Algebra I  
Geometry  
Algebra II

### JUNIORS

Informal Algebra  
Informal Geometry  
Algebra I  
Geometry  
Algebra II  
Pre-Calculus 112/116 (Dual Credit Option)  
Statistics

### SENIORS

Informal Algebra  
Informal Geometry  
Algebra I  
Geometry  
Algebra II  
Pre-Calculus 112/116 (Dual Credit Option)  
Calculus 124 (Dual Credit Option)  
Statistics

Course Title: Algebra I

Grade Level: 9, 10, 11, 12

Department: Math

Prerequisite: Successful completion of 8<sup>th</sup> grade math/Pre-Algebra

Credit: 2 credits

Term(s): full year

Course Description: Algebra I is an elective course which will count as one year of the three years required for graduation. It is a study of the fundamental laws and operatives with numbers as applied to equations. Such topics as positive and negative numbers, graphing of linear equations and inequalities, factoring, fractions and equations with fractions, ratios and proportions, roots and radicals, and quadratic equations are covered.



Course Title: Algebra II

Grade Level: 10, 11, 12

Department: Math

Prerequisite: Successful completion of Algebra I and \*Geometry

Credit: 2 credits

Term(s): full year

Course Description: Algebra II is an elective course which will count as one year of the three years required for graduation. This is recommended for those attending college or those who plan to work in science and engineering. A study is made of the basic concepts of Algebra from a more advanced viewpoint than Algebra I. New topics from Algebra are included as well as much work in analytic Geometry and Trigonometry. Also sections on logarithms, conic sections and the complex number system are considered.

\*Department approval required for doubling up requirements of Geometry and Algebra II.

Course Title: Calculus/Math 124

Grade Level: 12

Department: Math

Prerequisite: Successful completion of Algebra I, Geometry, Algebra II, Pre-Calculus

Credit: 2 credits (Dual Credit Option w/BHC)

Term(s): full year

Course Description: Calculus is an elective course which will count as one year of the three years required for graduation. Calculus is designed for people who had taken Algebra in 8th grade. Topics covered include an in depth study of trigonometry, work with sequences, series, and limits, and topics of Calculus including differentiation and elementary integration.

Course Title: Geometry

Grade Level: 9, 10, 11, 12

Department: Math

Prerequisite: Successful completion of both semesters of Algebra I

Credit: 2 credits

Term(s): full year

Course Description: Geometry is an elective course which will count as one year of the three years required for graduation. It is a study of points, lines, and planes. A Geometry system is developed and built upon throughout the year, with practical applications given. Space and Plane Geometry are treated at the same time. Such topics as triangles, perpendiculars, parallelism, polygons, and circles are covered.

\*Department approval required for doubling up requirements of Geometry and Algebra II.

Course Title: Informal Algebra I

Grade Level: 9, 10, 11, 12

Department: Math

Prerequisite: None

Credit: 2 credits

Term(s): full year

Course Description: Informal Algebra I will count as one year toward the three years required for graduation. It will meet the state Algebra requirement. Topics studied include positive and negative numbers, graphing of linear equations and inequalities, fractions and equations with fractions, ratios and proportions, roots and radicals, and quadratic equations are covered.

Course Title: Informal Geometry

Grade Level: 10, 11, 12

Department: Math

Prerequisites: Successful completion of a full year of Algebra I or Informal Algebra

Credit: 2 credits

Term(s): full year

Course Description: Informal Geometry will count as one year of the three required for graduation. It is a study of points, lines, and planes, focusing on practical applications and problem solving.

Course Title: Pre-Calculus/Math 112/Math 116

Grade Level: 11, 12

Department: Math

Prerequisite: Successful completion of Algebra I, Geometry, Algebra II

Credit: 2 credits (Dual Credit Option w/BHC)

Term(s): full year

Course Description: Pre-Calculus is an elective course which will count as one year of the three years required for graduation. Students, upon taking this course, will be able to enter college mathematics at the Calculus I level. This course includes work in Algebra, Analytic Geometry, Trigonometry, determinants, and determination of functions.

Course Title: Statistics

Grade Level: 11, 12

Department: Math

Prerequisite: Successful completion of Algebra II

Credit: 2 credits

Term(s): full year

Course Description: The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.

Students are exposed to four broad conceptual themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using probability and simulation
- Statistical Inference: Estimating population parameters and testing hypotheses

## MUSIC COURSE SEQUENCE

### FRESHMEN

Choir

Band

### SOPHOMORES

Choir

Band

Music Appreciation (Not offered every year)

### JUNIORS

Choir

Band

Music Appreciation (Not offered every year)

### SENIORS

Choir

Band

Music Appreciation (Not offered every year)



Course Title: Band

Grade Level: 9, 10, 11, 12

Department: Fine Arts

Prerequisite: proficiency in playing a musical instrument

Credit: 2 credits

Term(s): full year

Course Description: Band in an elective course. It is the study of music through playing an instrument. Students not only improve their playing skills, but also acquire a knowledge and appreciation of music.

The concert band is the core of the band program. A variety of music, from classics to pops is studied. The marching band performs at football games and parades. The pep band performs at basketball games. Students may also have the opportunity to perform solos and ensembles.

Course Title: Choir

Grade Level: 9, 10, 11, 12

Department: Fine Arts

Prerequisite: none

Credit: 2 credits

Term(s): full year

Course Description: Choir is an elective course. It is the study of music through singing. Students acquire a knowledge and appreciation of music. They develop their skills in singing as well as an ability to read music. A variety of music is studied from classical to contemporary.

\*Participation in Choir allows for participation in extracurricular Choirs, such as: National Anthem Singers, Chamber Choir, and Treble Choir.

Course Title: Music Appreciation (Not offered every year)

Grade Level: 10, 11, 12

Department: Fine Arts

Prerequisite: none

Credit: 1 credit

Term(s): 1 semester

Music Appreciation is a course where students will study the history of music starting with ancient civilizations and up through present day. Students will examine the lives of the composers and famous musicians while examining the social and political themes of the time periods. This will be taught through many mediums including: sound recordings, lecture, projects, and essays.

## PHYSICAL EDUCATION COURSE SEQUENCE

### FRESHMEN

Physical Education  
Athletic Physical Education  
Health

### SOPHOMORES

Physical Education  
Athletic Physical Education  
Health

### JUNIORS

Physical Education  
Athletic Physical Education  
Health

### SENIORS

Physical Education  
Athletic Physical Education  
Health

Course Title: Health

Grade Level: 9, 10, 11, 12

Department: Physical Education

Prerequisite: none

Credit: 1

Term(s): 1 semester

The health class at Kewanee High School focuses on the main areas of health: Mental Health, Social Health and Physical Health.

Health is geared to help students understand the responsibility of behavior patterns that will affect their health. Stressing health choices and decision making, the students will develop the skills to weigh options, make responsible decisions, and develop behaviors that promote healthy lifestyles. The ability to assess our attitudes and behavior patterns, and understand their impact on our communities and our own well-being will also be stressed.

Some of the units that we will be covering include Mental Health, Social Health, Human Development, Nutrition and Fitness, Substance Abuse, Environmental and Community Health, and Safety and First Aid.

Course Title: Physical Education or Athletic Physical Education

Grade Level: 9, 10, 11, 12

Department: Physical Education

Prerequisite: none

Credit: 1 credit

Term(s): full year

Course Description: Three and a half years of Physical Education is required along with 1 semester of Health for graduation. Seven semesters of physical education are required for graduation with some exceptions: (1) junior and senior students participating in interscholastic sports, pom pon and cheerleading may be excused for the duration of the sport's season and then return to physical education class after the sport's season is finished; (2) students of all grade levels who participate in marching band may be excused from physical education class for the duration of the marching band season and then return to physical education class.

Freshmen, sophomores, juniors and seniors are combined for co-educational classes. The students may choose between regular PE and Athletic PE.

An attempt is made in the Regular PE classes to offer a well rounded program of physical fitness activities, individual and team sports, and recreational games. Fall activities include conditioning and fitness testing, flag football, soccer, and speedball. Winter activities include aerial darts, basketball, volleyball, badminton, table tennis, and recreational activities. Spring activities include softball, track and field, whiffle ball and recreational activities.

The Athletic PE class offers a program focusing on strength training and conditioning with an attempt to offer recreational fitness activities and fitness games on the open day in which they are free from lifting.

## SCIENCE COURSE SEQUENCE

### FRESHMEN

Physical Science  
Biology

### SOPHOMORES

Physical Science  
Biology  
Chemistry  
Life Science

### JUNIORS

Physical Science  
Biology  
Biology II  
Chemistry  
Physics  
Life Science

### SENIORS

Physical Science  
Biology  
Biology II  
Chemistry  
Physics  
Life Science  
Physiology/Anatomy

Course Title: Biology

Grade Level: 9, 10, 11, 12

Department: Science

Prerequisite: none

Credit: 2 credits

Term(s): full year

Course Description: Biology is an elective course that will partially fulfill the graduation requirement for two years of science. It is the study of life. Although several areas of Biology are chosen for study in order to give the students an introduction into this subject, each student will be given opportunities to explore areas of Biology of their own choosing.

The school year begins with an introduction to biology principles and history. Next is the study of cell biology or cytology. This is quickly followed by a study of basic botany or plant biology including a study of the structure and function of roots, stems, and leaves and of plant reproduction.

Second semester begins with an introduction to genetics. After the genetics unit is an introduction to the animal kingdom. Various classifications of invertebrates are studied. The study of the animal kingdom includes several animal dissections.



Couse Title: Chemistry

Grade Level: 10, 11, 12

Department: Science

Prerequisite: Algebra I and General Life Science or Biology

Credit: 2 credits

Term(s): full year

Course Description: Chemistry is an elective course that will partially fulfill one year of the graduation requirement of two years of science. Chemistry is a physical science which deals with the structure and composition of material and the changes these materials undergo. Topics covered are atomic theory, mole concept, kinetic theory, structure and bonding, chemical reactions, and application of principle to descriptive chemistry.

Course Title: Life Science

Grade Level: 10, 11, 12

Department: Science

Prerequisite: none

Credit: 2 credits

Term(s): full year

Course Description: Life Science is an elective course that will partially fulfill the graduation requirement for two years of science. This course begins the school year with a study of what life is and what life science is all about. A number of simple experiments to learn how to use the Scientific Method to collect, group, interpret data, and draw conclusions from data are done. Cell organization, structure, function, and the process of cells are studied. A detailed study of the structure and functions of major systems of the human body are also studied.

Course Title: Physiology/Anatomy

Grade Level: 12

Department: Science

Prerequisite: Chemistry

Credit: 2 credits

Term(s): full year

Course Description: Physiology/Anatomy is an elective course. It is a course designed to give college bound students a feel of the study content covered in medical programs. The course relies on note taking, discussion and dissection. Students will encounter terminology used in the medical field as well as occupational opportunities within medicine.

Students can expect to learn in areas of cytology, biochemistry, nutrition and histology. They will also explore areas of the body such as the muscular, skeletal and nervous systems. The course requires writing assignments, lab work, a speech and a valuable dissection.

Course Title: Biology II

Grade Level: 11, 12

Department: Science

Prerequisite: Chemistry

Credit: 2 credits

Term(s): full year

Course Description: Biology II is an elective course designed for college bound students to develop a better understanding of common topics discussed in a biology class. Listed below are the expected learning objectives:

- Produce and interpret numerical data utilizing the metric system
- Use experimental methods and laboratory equipment
- Apply basic principles of physics and chemistry to describe cellular functioning
- Describe the organelle-level of structure and function of cells
- Describe cellular reproduction
- Describe photosynthesis
- Describe and apply the basic principles of classical and molecular genetics

This class requires good note-taking and study skills to be successful. Course requirements include lab work, writing assignments, summative assessments, and group projects.

Course Title: Physics

Grade Level: 11, 12

Department: Science

Prerequisite: Geometry

Credit: 2 credits

Term(s): full year

Course Description: Physics is an elective course that will partially fulfill the two years science requirement for graduation. It is a physical science that deals with the study of matter and energy and their changes, with emphasis on energy. Such topics as force, motion, the atom, sound, light, and electricity are discussed. The material is presented so that the student will have a better understanding of everyday events.

Course Title: Physical Science

Grade Level: 9, 10, 11, 12

Department: Science

Prerequisite: None

Credit: 2 credits

Term(s): full year

Course Description: Physical Science is a course where students will be introduced to a broad variety of science concepts with a variety of hands on lab activities.

Topics:

\*Earth Science: layers of the Earth, oceans, size of the Earth, and a brief history of why continents are in the position they are today.

\*Meteorology: from what drives our weather pattern to differences between weather and climate.

\*Types of Weather: ranging from droughts to hurricanes and how they affect us.

\*Optics: working with mirrors and lenses.

\*Basic Chemistry: how we hear and see.

\*Conceptual Physics: concepts include motion and forces.

## SOCIAL STUDIES COURSE SEQUENCE

### FRESHMEN

Early Modern World History  
Late Modern World History  
Survey of the Vietnam Conflict  
Survey of World War II

### SOPHOMORES

Early Modern World History  
Geography  
Late Modern World History  
Survey of the Vietnam Conflict  
Survey of World War II  
Contemporary US Issues

### JUNIORS

Early Modern World History  
Geography (Not offered every year)  
Late Modern World History  
Survey of the Vietnam Conflict  
Survey of World War II  
Sociology  
U.S. History/105 & 106  
Contemporary US Issues

### SENIORS

Early Modern World History  
Geography (Not offered every year)  
Late Modern World History  
Survey of the Vietnam Conflict  
Survey of World War II  
Sociology  
U.S. History/105 & 106  
Government  
Non Western Civ/Middle East/HIST 151(Dual Credit Option)  
Contemporary US Issues

Course Title: Government

Grade Level: 12

Department: Social Studies

Prerequisite: none

Credit: 1 credit

Term: 1 semester

Course Description: One semester of Government is required for graduation. It is a comprehensive course of study of all three levels of American Government. During the duration of the semester all three branches of government will be studied in great detail along with civil liberties, voting, political parties, and a comparison to communism and socialism. State law mandates the U.S. Constitution and the Illinois Constitution exams be passed as a graduation requirement. This requirement is met within this course. Through the knowledge acquired from this course, one will possess the critical-thinking and problem solving skills required to participate in our democracy.

\*\*Both Constitutions (US and Illinois) need to be passed in order to complete the course.



Course Title: Sociology

Grade Level: 10, 11, 12

Department: Social Studies

Prerequisite: none

Credit: 1 credit

Term: 1 semester

Course Description: Sociology is an elective course that will meet the semester social studies requirement for graduation. This course is an introduction to the study of society and provides the essential elements for an intelligent understanding of the forces that effect individual group life. It deals with the nature of various forms of behavior and the factors affecting our social relationships. A study is made of the historical rationale for the subject, the historical developments of societies from nomadic to postindustrial, the objectives overview of other societies, and societal problems which arise.

Course Title: U.S. History/HIST 105/HIST 106

Grade Level: 11, 12

Department: Social Studies

Prerequisite: none

Credit: 2 credits (Dual Credit Option w/BHC)

Term(s): full year

Course Description: One full year of U.S. History is required for graduation. The course is a survey of principal forces and movements which have formed the United States today. Beginning with the exploration and colonization and proceeding through the establishment, growth, and development of the United States. This course takes up consideration of the social, intellectual, political, economic, and military forces that contribute to the United States as a world power. The proper use and display of the American Flag is taught in connection with this course.

Course Title: Survey of the Vietnam Conflict

Grade Level: 9, 10, 11, 12

Department: Social Studies

Prerequisite: none

Credit: 1 credit

Term: 1 semester

Course Description: Survey of the Vietnam Conflict is an elective course that will meet the social studies requirement for graduation. This course will address America's Vietnam Conflict, including Vietnamese history and culture, French colonialism, American foreign policy during the Cold War Era, American and North Vietnamese war strategy, the antiwar movement, the role of television and the fall of Saigon. The course will combine readings, lecture, audio/visual experiences and class discussions to analyze the Vietnam Conflict.

Course Title: World History (Early Modern WH & Late Modern WH)

Grade Level: 9, 10, 11, 12

Department: Social Studies

Prerequisite: none

Credit: 1 credit per semester

Term(s): 1 semester or full year

Course Description: World History is an elective course that will meet the semester social studies requirement for graduation. It may be taken as a semester course or a full year course. The flexibility of the course is designed to allow students to take the course at any time during the high school career. It is a study of world history, which includes geography, historical events and various cultural aspects of living in a world community both today and in the past. The objective of the course is to increase the students' knowledge and understanding of the world around them.

First semester begins with the Renaissance and concludes in the mid 1800's. It includes the reformation, rise of nationalism, and age of imperialism.

Second semester begins with the ideas of liberalism, nationalism, and democracy. It follows those concepts from the late 1800's through the present including the Industrial Revolution, the World Wars, the Cold War, Korean War, Vietnam, and Desert Storm.

Course Title: Non Western Civ/Middle East/HIST 151

Grade Level: 12

Department: Social Studies

Prerequisite: none

Credit: 1 credit (Dual Credit Option w/BHC)

Term(s): 1 semester

Course Description: Non-Western Civ/Middle East/HIST 151 is a senior level course that meets a KHS social science elective requirement. NWC/ME surveys Middle Eastern civilization with an emphasis on the period between 1700 and the present. Includes an examination of political, economic, social and religious development and the current condition of the Middle East.

\*\*This course meets a non-western history requirement for college.

Course Title: Survey of World War II

Grade Level: 9, 10, 11, 12

Department: Social Studies

Prerequisite: none

Credit: 1 credit

Term: 1 semester

Course Description: Survey of World War II is an elective course that will meet the social studies requirement for graduation. This course will provide the students with a broad view and comprehensive understanding of World War II as a global event. It will deal with the war's causes, conduct and consequences. It will cover the war from the perspective of all the major participants, Axis and Allied powers. The dominant perspectives will be that of the United States and Germany. The course is built around lectures, group and individual projects, audio/visual experiences, handouts and class discussions.

Course Title: Contemporary US Issues

Grade Level: 10, 11, 12

Department: Social Studies

Prerequisite: none

Credit: 1 credit

Term (s): 1 semester

Course Description: Contemporary U.S. Issues courses study the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. These courses may focus on current issues or may examine selected issues that span throughout the 20th century to the present.

Course Title: Geography (Not offered every year)

Grade Level: 10, 11, 12

Department: Social Studies

Prerequisite: none

Credit: 1 credit

Term(s): 1 semester

Course Description: Geography is a Social Science Elective offered at Kewanee High School. This class will be based around independent learning. Topics that will be covered will be the physical geography and cultural backgrounds present throughout the world. The seven continents and countries within will be analyzed in depth.