



***CENTRAL***

COMMUNITY HIGH SCHOOL

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**CURRICULUM  
GUIDE**

2024-2025 School Year

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**Imagine  
Greatness!**

***CENTRAL***

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# ***PREFACE***

This booklet contains a description of each course offered at Central High School. This book is designed to be an aid in helping the students and parents, with the teachers and counselor, decide the course work necessary for each student. The following is a short description of the information with each class. Questions concerning this guide should be addressed to the counselor or administrative staff.

▶ **Course Duration:**

How long the class meets. Classes meet for a semester or the entire school year. Some classes meet more than one class hour per day.

▶ **Credits for the Course:**

Number of credits applied toward graduation upon passing the class. Some courses offer dual credit with Kaskaskia Jr. College.

▶ **Class Description:**

A short description of the class and major topics to be learned.

▶ **Prerequisite(s):**

Courses or grades in previous courses that are mandatory to pass the described class.

▶ **Recommendation(s):**

Courses or grades in other courses that the teachers feel necessary for the student have a better chance of being successful in the described class.

▶ **Cross Curriculum:**

The described class uses information from other courses or departments.

# AGRICULTURE

## ► INTRODUCTION TO AGRICULTURE INDUSTRY

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**Prerequisite(s):** None

**Recommendation(s):** Want to pursue a career in agriculture or are interested in the industry

**Duration:** 1 year

**Credit(s):** 1

**Grade Level(s):** 9, 10

**Cross Curriculum:** English, Science, Math, and Public Speaking

**Course Description:** In this course, students will be introduced to FFA and agriculture. Throughout the year, students will learn about FFA including the basics of FFA, history, events they can participate in, and Supervised Agricultural Experiences. They will also venture into the introductory agriculture topics such as plant science, animal science, precision agriculture, agriculture mechanics, and current agriculture issues at a local, state, and national level.

## ► PLANT AND SOIL SCIENCE

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**Prerequisite(s):** Introduction to Agriculture (Or teacher Approval)

**Recommendation(s):** Want to pursue a career in agronomy, soil conservation, farm management, or welding

**Duration:** 1 semester (Fall)

**Credit(s):** 1/2

**Grade Level(s):** 10, 11, 12

**Cross Curriculum:** Science and Math

**Course Description:** In this course, students will be introduced to principles of soil and plant science. They will learn about characteristics of multiple types of soil, nutrient management within soil, and surveying skills. Students will then be introduced into the world of plant science with an emphasis on crop production relevant to our area. This part of the course will venture into soybean production, corn production, pest management, and tillage practices. At the end of the semester, students also will be introduced to oxy-acetylene cutting and SMAW (stick) welding techniques as these are common skills used to maintain equipment relevant for crop production.

# **AGRICULTURE**

## **► HORTICULTURE**

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**Prerequisite(s):** Introduction to Agriculture or Agriculture Science or Plant & Soil Science (Or Upon Teacher approval)

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1 (Dual Credit Agreement with Kaskaskia College for 3 credit hours)

**Grade Level(s):** 10, 11, 12

**Cross Curriculum:** Science

**Course Description:** This advanced course offers instruction in all areas of horticulture. Units of study include plant identification, crop management, growing 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.

## **► AGRICULTURE BUSINESS MANAGEMENT**

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**Prerequisite(s):** Introduction to Agriculture and Ag Science or Plant & Soil Science (or teacher Approval)

**Recommendation(s):** Desire to learn about business concepts and the markets of agriculture

**Duration:** 1 year

**Credit(s):** 1 (Dual Credit Agreement with Kaskaskia College for 1 credit hour)

**Grade Level(s):** 11, 12

**Cross Curriculum:** Math

**Course Description:** Agricultural course which has a major emphasis on the business relationship to agriculture and product marketing. Major topics will include: organizing business, business structures, financial statements, studying the grain and wheat markets/ Chicago Board of Trade, using commodity futures, sources of credit, insurance and laws in agriculture. Careers in agriculture are discussed and researched.

# ***AGRICULTURE***

## **► BASIC AGRICULTURE MECHANICS**

---

**Prerequisite(s):** At least one other Ag Course

**Recommendation(s):** Enjoy working with hands and have good hand eye coordination

**Duration:** 1 year

**Credit(s):** 1

**Grade Level(s):** 10, 11, 12

**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.

## **► ADVANCED AGRICULTURE MECHANICS**

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**Prerequisite(s):** C or better in Basic Ag Mechanics

**Recommendation(s):** Enjoy basic ag mechanics

**Duration:** 1 year

**Credit(s):** 1

**Grade Level(s):** 11, 12

**Course Description:** This advanced level class mechanics class will expand student knowledge and experience with 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.

# ***AGRICULTURE***

## **► WELDING**

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**Prerequisite(s):** Previous coursework in Ag or Industrial Education

**Recommendation(s):** Enjoy working with hands

**Duration:** 2 semesters

**Credit(s):** 1 (Dual Credit Agreement with Kaskaskia College for 8 credit hours)

**Grade Level(s):** 12

**Course Description:** This training level class will expand student knowledge and experience with welding and cutting of metals. Units of study will include: welding and cutting with the oxyacetylene setup, welding with a MIG welder, welding with an arc welder and cutting with a plasma cutter. This course is heavy with shop related activities and special protective equipment must be purchased by the student to use in the class. ***Limited seats.***

## **► VETERINARY SCIENCE**

**Prerequisite(s):** Introduction to Agriculture (Or teacher Approval)

**Recommendation(s):** Plan to pursue a career in Veterinary Science

**Duration:** 1 semester (Spring)

**Credit(s):** 1/2

**Grade Level(s):** 10, 11, 12

**Cross Curriculum:** Science and Math

**Course Description:** In this course, students will be introduced to the world of veterinary and animal science. Topics to be covered include the various animal systems such as the skeletal system, digestive system, muscular system, reproductive system, circulatory system, and the integumentary system of various animal species. Along with the various animal systems, students will learn about meat science including animal processing and food safety.

# ***BUSINESS***

## **► COMPUTER CONCEPTS I**

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**Prerequisite(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5 (Requirement for CCHS graduation)

**Grade level(s):** 9, 10, 11, 12

**Course Description:** This required course (starting 2022-23) is an orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing and management. Students will apply problem-solving skills to hands-on, real life situations using a variety of software applications such as Microsoft Windows, Microsoft Word 2021, Microsoft Excel 2021, Microsoft PowerPoint 2021 and integration of the applications. Students will use Microsoft Office as a tool to complete lab applications.

## **► MARKETING**

---

**Prerequisite(s):** Computer Concepts I

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5 (Dual Credit agreement with Kaskaskia College for 3 credit hours)

**Grade Level(s):** 10, 11, 12

**Course Description:** *Name change from Sports & Entertainment Marketing taught in previous years.* Ever see the SuperBowl Commercials and wonder how they came up with such a great idea? This class is for you! We will be studying the essentials of marketing management with emphasis on the four strategies of marketing decision making: product, distribution, promotion, and pricing. This class will be more of a project-based class and will emphasize creativeness and graphic design. This will be a prerequisite for the Sports & Entertainment Marketing Class for 2024-25.



# ***BUSINESS***

## ▶ **BUSINESS LAW**

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**Prerequisite(s):** Computer Concepts I

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade Level(s):** 10, 11, 12

**Course Description:** This class will allow students to explore the foundations of business law, while introducing some personal law topics that effect students. Instruction will include topics such as contracts, criminal law, consumer protection, will/estates, property law, unions, commercial paper and credit obligations. Case studies will be analyzed and researched to correspond with topics discussed in class.

## ▶ **ADOBE SUITE**

---

**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade Level(s):** 9, 10, 11, 12

**Course Description:** The tight integration between different Adobe CC applications makes it easier than ever to create professional design for print. This course provides a solid foundation in the three most popular software applications - Photoshop, Illustrator and InDesign. The projects in this course are designed to represent a range of jobs a student would likely encounter during a career in graphic design

# ***BUSINESS***

## **► INTRODUCTION TO CODING**

---

**Prerequisite(s):** None

**Recommendation(s):** Strong desire to want to understand computer science

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade Level(s):** 9, 10, 11, 12

**Course Description:** This course is designed to be the first computer science course for students who have never programmed before. Students will focus on three tracks with the CodeRED curriculum. Students will learn to create mobile apps on an Android system. They will explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Students will explore game design using Scratch programming. Beyond learning the fundamentals of programming, student will build computational thinking skills by applying computer science to collaboration tools, modeling and simulation and data analysis.

## **► SPORTS MARKETING**

---

**Prerequisite(s):** Sports & Entertainment Marketing or Marketing

**Recommendation(s):** None

**Duration:** 2 semesters

**Credit(s):** 1

**Grade Level(s):** 11, 12

**Course Description:** In today's world of Big Money NIL(Name, Image, and Likeness) deals, Sports Marketing for individuals and teams has become an extremely exciting area of opportunity. This course offers an introduction to the emerging field of sports marketing and its role in society. The subject includes: marketing through sport sponsorships, endorsements, naming rights, licensing, video production, marketing and management, product distribution decisions, pricing, promotion, and ethical issues in sports marketing. Students in the course will also be given real-world, hands-on Sports Marketing projects that involve the athletes and teams at Central High School. Not only that, individuals from the Sports Marketing Class may be employed to become In-Game Directors for the Video Boards on the Football Field and in Eagleson Gym. If you are interested in the arts, business, video production, or graphic design, then this class is for you. This is a repeatable course. Application and teacher recommendation required.

# ***BUSINESS***

## **► PERSONAL FINANCE**

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**Prerequisite(s):** Computer Concepts I

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5 (Dual Credit agreement with Kaskaskia College for 3 credit hours)

**Grade level(s):** 12

**Course Description:** This course is designed to develop skills in a consumer's money management. Subjects that will be covered are taxes, savings plans, credit scores, selecting and financing a house, shopping for insurance, and investing in stocks, mutual funds, and retirement. *This course does meet one of Central's options for the state graduation requirement for Consumer's Ed.*

## **► COMPUTER CONCEPTS II (INFORMATION PROCESSING IA)**

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**Prerequisite(s):** Computer Concepts I

**Recommendation(s):** Should have received a C or better in Computer Concepts I

**Duration:** 1 semester

**Credit(s):** 0.5 (Dual Credit agreement with Kaskaskia College for 4 transferrable credit hours)

**Grade level(s):** 9, 10, 11, 12

**Course Description:** Computer Concepts II 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. This course provides advanced instruction and offers an in-depth presentation to Microsoft Access 2021, Microsoft PowerPoint 2021 and Microsoft 2021 Integration. Students will use Microsoft Office as a tool to complete lab applications.

# ***BUSINESS***

## ► **WEB DESIGN I (INFORMATION PROCESSING IB)**

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**Prerequisite(s):** Computer Concepts I

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5 (Dual Credit agreement with Kaskaskia College for 3 credit hours)

**Grade level(s):** 10, 11, 12

**Course Description:** This course provides an overview of planning, designing, creating, editing and publishing web-based pages and entire web sites. Students will begin learning the basics of HTML and how to use Cascade Style Sheets (CSS) to format these pages. XHTML rules will be used throughout the course to maintain consistent coding. A critical-thinking, problem-solving approach will be used in all projects to fully prepare students for applications in real-life situations.

## ► **WEB DESIGN II (INFORMATION PROCESSING IIB)**

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**Prerequisite(s):** Computer Concepts I, Web Design I

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5 (Dual Credit agreement with Kaskaskia College for 3 credit hours)

**Grade level(s):** 10, 11, 12

**Course Description:** Students will create, build and manage web sites and Internet applications using Dreamweaver. Dreamweaver is an industry-standard webpage authoring program. Students will learn to perform standard maintenance operations such as viewing, opening and moving files, transferring files between local and remote sites and designing site navigation with the Site Map. Students will create simple to complex Web Sites based off of real-life scenarios incorporating Cascading Style Sheets into the design.

# ***BUSINESS***

## **► ACCOUNTING I**

---

**Prerequisite(s):** Computer Concepts I

**Recommendation(s):** None

**Duration:** 1 Year

**Credit(s):** 1 (Dual Credit agreement with Kaskaskia College for 3 credit hours)

**Grade level(s):** 10, 11, 12

**Course Description:** Accounting I is a skill level course that is of value to all students pursuing a strong background in business, marketing and management. This course includes planned learning experiences that develop initial and basic skills using systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including paying and receiving 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 will be integrated throughout the course. In addition to stressing basic fundamentals and terminology of accounting, instruction will 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. Practice sets with business papers may be used to emphasize actual business records management.

## **► ACCOUNTING II**

---

**Prerequisite(s):** Computer Concepts I & C or better in Accounting I

**Recommendation(s):** Planning on pursuing a career in Accounting

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 11, 12

**Course Description:** This semester year course builds on skills learned in Accounting I. It is designed to help students develop a deeper knowledge of the principles of accounting and advanced accounting skills. Students will study cost accounting, tax accounting, payroll accounting, business organizations (partnerships, corporations and branches), managerial accounting, preparing financial reports and budget. Students will use computers and accounting software to learn to utilize a computerized accounting system.

# ***BUSINESS***

## ► **TECHNICAL SUPPORT INTERNSHIP (TSI)**

**Prerequisite(s):** (Completion or concurrent enrollment computer coursework along with submittal of an application.) Computer Applications, Computer Concepts I or II, Business Law, Sports and Entertainment Marketing, Web Design I or II, Accounting, OR Introduction to Coding. Participation requires Business instructor approval

**Recommendation(s):** None

**Duration:** 1 Year

**Credit(s):** 1

**Grade Level(s):** 11, 12

**Course Description:** The Technical Support Internship is a student-run help desk that prepares students to provide first-line technical support to students, support staff and teachers. Students are trained to listen, observe and assess general end-user issues. The hands-on classroom environment gives students the opportunity to learn how to troubleshoot hardware, software and network problems, as well as process service tickets and inventory stock. Students have individualized career pathways of study that include customer service and leadership, coding in JAVA or Python, Apps, CompTIA A+, MOS (Microsoft Office Specialist) and Google Apps. A summer boot camp is a course requirement – dates will be announced prior to the end of the school year. This course may be repeated and is open to students in grades 11 and 12.

## ► **CREATING ENTREPRENEURIAL OPPORTUNITIES (CEO)**

**Prerequisite(s):** Computer Concepts

**Recommendation(s):** None

**Duration:** 1 Year

**Credit(s):** 2 (2 hour course off campus that starts at 7:30 am)

**Grade Level(s):** 12 (Application required)

**Course Description:** Entrepreneurship education seeks to prepare people, especially youth, to be responsible, enterprising individuals who become entrepreneurs or entrepreneurial thinkers and contribute to economic development and sustainable communities. The CEO program is much more than a textbook course. Rather, students are immersed in real life learning experiences with the opportunity to take risks, manage the results, and learn from the outcomes. This program requires an application for acceptance and only 5 students per county high school are accepted. *Recommendations from teachers is a required part of the online application.*

# ***DRIVER EDUCATION***

## **► DRIVER EDUCATION**

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**Recommendation(s):** None

**Duration:** 1 Quarter

**Credit(s):** 0.5

**Cross Curriculum:** Auto Mechanics, Math, Geography, Consumer Education

**Course Description:** This class is designed to provide the student with the basic knowledge of vehicle operation, traffic laws and basic maintenance of the vehicle. Vehicle operation will include maneuvering skills as well as skills in cooperating with other drivers. Vehicle maintenance includes service checks normally performed during service station stops. Driving phase of the program will provide students a minimum of six hours of instruction to include highway, expressway and city driving. The rules of the Road and the Illinois Vehicle Code Manual are used as supplements to the traffic law curriculum.

# ***FOREIGN LANGUAGE***

## **► SPANISH I**

---

**Prerequisite(s):** None

**Recommendation(s):** Grade of C or better in English class

**Duration:** 1 Year

**Credit(s):** 1

**Grade level(s):** 9, 10, 11

**Cross Curriculum:** History, Geography, Music

**Course Description:** Spanish I is an introductory course designed for students with little to no experience in the Spanish language. Students will be introduced to the teaching method of TPRS (Teaching Proficiency Through Reading and Storytelling) while learning to communicate with others in the target language along with telling a story in the present and past tenses to talk about others. Introductory conversation skills will also be developed, along with beginning information including greetings, questions, numbers, time telling, weather, talking about going different places, food, classes and school and what they plan to do at various times. Cultural studies and novels in the target language (90% or more in class each day) will also be used in this course. Music, introductory readings in the target language and videos will be supplements to the course.

## **► SPANISH II**

---

**Prerequisite(s):** Grade of C or better in Spanish I

**Recommendation(s):** None

**Duration:** 1 Year

**Credit(s):** 1

**Grade level(s):** 10, 11, 12

**Cross Curriculum:** History, Geography, Music

**Course Description:** Spanish II is a continuation and growth of skills and abilities in reading, writing, listening and speaking in Spanish. Using the TPRS method and 90% or more of the class conducted in the target language, Spanish II builds upon and recycles previously learned structures and enhances students' ability to communicate further with opinions, descriptions and more detailed questions. Units will include birthday celebrations/ Quinceañera, family, daily routine, sports and hobbies, inviting others to various places, going to a restaurant/food, shopping, Spanish-speaking countries and nationalities and vacation and travel. More extended cultural studies and a novel will also be used in Spanish II, along with more extended readings in the target language, podcasts, videos, a Spanish soap opera, commercials and music.



# ***FOREIGN LANGUAGE***

## **► SPANISH III**

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**Prerequisite(s):** Grade of C or better in Spanish II

**Recommendation(s):** None

**Duration:** 1 Year

**Credit(s):** 1

**Grade level(s):** 11, 12

**Cross Curriculum:** History, Geography, Music

**Course Description:** Spanish III is the third level of Spanish offered and is a course set deep in communication, questioning techniques in conversation in both formal and informal dialogue, along with more in-depth cultural studies, listening activities in the target language and readings. Students will develop the ability to converse beyond just answering questions, but be able to provide additional dialogue, opinions, descriptions and initiate and continue more complicated conversations. A more challenging novel in the target language is also used. Units in this course include more advanced verb structures, personal profiles, home, daily routines and chores, helping in the community and abroad, directions and travel, shopping/bargaining, childhood memories and events of the past. More advanced cultural studies will be used in the course, along with music, cultural readings, commercials and short films and videos.

## **► SPANISH IV**

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**Prerequisite(s):** Grade of C or better in Spanish III

**Recommendation(s):** None

**Duration:** 1 Year

**Credit(s):** 1

**Grade level(s):** 12

**Cross Curriculum:** History, Geography, Music

**Course Description:** Spanish IV is the final level of Spanish offered and is a course focusing on very in-depth communication, questioning techniques in conversation of both formal and informal dialogue, along with more in-depth cultural studies, listening activities in the target language and readings. Students will develop the ability to converse beyond just answering questions, but be able to provide additional dialogue, opinions, descriptions and initiate and continue more complicated conversations. The ability to ask questions in both informal and formal settings will be studied along with being able to present extensive projects in the target language. A more challenging novel, a Spanish soap opera and numerous cultural readings in the target language are also used. Units in this course include describing and telling about past events, things one would do, plans for the future, sports and games, movies and cinema, news and current events, medicine and health in the target language, the science in the target language (the life cycle of the monarch butterfly) and plans for traveling abroad in the future.

# ***HEALTH SCIENCE TECHNOLOGY***

## **► ORIENTATION TO HEALTHCARE CONCEPTS**

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**Prerequisite(s):** Have completed a basic science course with C or higher

**Recommendation(s):** None

**Duration:** 2 semesters

**Credit(s):** 1 (Dual credit agreement with Kaskaskia College)

**Grade level(s):** 9, 10, 11, 12

**Course Description:** Students will be introduced to healthcare related aspects that are common in many or all healthcare careers. Topics will include basic history of healthcare, types of facilities and agencies, healthcare coverage options, safety and infection control, legal and ethical concerns, communication skills, employability skills and basic medical math as well as discussion of the many healthcare related careers. Students will also complete a career assessment. A student planning to take Health Science Technology I in their senior year must complete this course and maintain at least a “B” average or higher to be eligible.

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# ***HEALTH SCIENCE TECHNOLOGY***

## **► ADVANCED HEALTHCARE CONCEPTS**

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**Prerequisite(s):** Complete Orientation to Healthcare Concepts and maintained a “C” average or higher

**Recommendation(s):** None

**Duration:** 2 semesters

**Credit(s):** 1 (Dual credit agreement with Kaskaskia College)

**Grade level(s):** 10, 11, 12

**Course Description:** Instruction on medical terminology and abbreviations, anatomy of all systems, and common diseases and disorders associated with all systems. A student wanting to take Health Science Technology I in their senior year must complete this course and maintain at least a “B” average or higher to be eligible.

## **► HEALTH SCIENCE TECHNOLOGY I**

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**Prerequisite(s):** Complete Orientation to Healthcare and Advanced Healthcare Concepts and maintained a B average or higher for both. Fewer than 10 excused absences and no unexcused absences during junior year.

**Recommendation(s):** None

**Duration:** 2 semesters (2 class hours each day)

**Credit(s):** 2 (Dual credit agreement with Kaskaskia College for 7 credit hours if student obtains an 80% or higher)

**Grade level:** 12

**Course Description:** Instruction provided will include necessary information and skills needed to work as a Certified Nurse Assistant (CNA) per the guidelines of the Illinois Department of Public Health. If completed successfully, the student would be eligible to take the Illinois state certification exam to achieve CNA status. Students may incur additional fees due to required immunizations, purchase of personal equipment, testing fees and other expenses as required.

# HEALTH SCIENCE TECHNOLOGY

## ► PRINCIPLES OF BIOMEDICAL SCIENCE - (PLTW-PBS)

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**Prerequisite:** Due to the frequent hands-on activities and group work, students can have had no more than 8 absences in the prior school year.

**Recommendations:** Maintain a B in previous year Science coursework.

**Duration:** 2 semesters

**Credit:** 1

**Grade Level:** 9, 10, 11, 12

**Course Description:** Project Lead the Way (PLTW) is a STEM program which includes a Biomedical Science component. This is the first of four potential classes available where students can learn about microbiology, genetics, human medicine, physiology, and public health. The class uses a hands-on approach and fictitious scenarios to teach students about real world situations. Activities can include investigating a crime scene, diagnosing a patient's condition and suggesting appropriate treatment, identifying a hospital outbreak and how to contain it, and working on emergency situations. ***Students who can complete this course with a "B" or higher will be eligible to take additional PLTW courses as they are added.***

## ► HUMAN BODY SYSTEMS - (PLTW-HBS)

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**Prerequisite:** Due to the frequent hands-on activities and group work, students can have had no more than 8 absences in the prior school year.

**Recommendations:** Maintain a B in previous year Science coursework.

**Duration:** 2 semesters

**Credit:** 1

**Grade Level:** 10, 11, 12

**Course Description:** Project Lead the Way (PLTW) is a STEM program which includes a Biomedical Science component. This is the second of four potential classes available in the program. As stated on the PLTW website, in this course students examine the interactions of human body systems as they explore identity, power, movement, protection and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal mannequin; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. Although this course is open to all students, students who have taken PLTW-PBS and maintained a "B" or higher, will get priority selection for admittance into the course.

# ***FAMILY AND CONSUMER SCIENCES***

## **► ORIENTATION TO FAMILY AND CONSUMER SCIENCE**

---

**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 9, 10, 11, 12

**Course Description:** This is the suggested course for all Family and Consumer Science programs. It is designed to teach students about all of the occupational areas related to F.A.C.S.; Consumer Management, Foods, Nutrition, Food Service Occupations, Housing, Interior Design, Human Development, Interpersonal and family relationships, the world of duo roles of homemaker and worker, child development, adult care occupations, employability skills and problem solving. The study of personality development will be interlaced with qualities sought by an employer in a prospective employee. Areas of study will include how to apply for a job, get it and keep it.

## **► FOODS AND NUTRITION**

---

**Recommendation(s):** Orientation to F.A.C.S.

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 9, 10, 11, 12

**Course Description:** The class will provide students with classroom and laboratory experiences needed to know and understand basic food principals and applied nutrition concepts for people of all ages. Some of the ideas to be presented in the class are as follows: proper safety and sanitation measures when preparing food, basic principles of cookery, cooking equipment, cooking terms and preparation techniques to produce meals, proper serving techniques and use of resources when planning, preparing and serving food.

# ***FAMILY AND CONSUMER SCIENCES***

## **► CLOTHING AND TEXTILES**

---

**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 9, 10, 11, 12

**Course Description:** This course is designed to help students develop knowledge, understanding and experiences in fabric and textiles, their classification qualities and characteristics. The students will develop competencies in the following areas: caring for clothing products, selecting clothing and textiles, pattern alteration, layout, marking, pinning, cutting and construction techniques, repairing job and career using competencies related to clothing and textiles.

## **► CHILD DEVELOPMENT**

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**Recommendation(s):** Orientation to F.A.C.S.

**Duration:** 1 semester

**Credit(s):** 0.5 (Dual credit agreement with Kaskaskia College for 3 credit hours)

**Grade level(s):** 10, 11, 12

**Course Description:** Child Development is geared toward helping students gain an understanding of children's physical, intellectual and social development from the prenatal stage through the school-age years. The areas of study will include the following: children in today's world, prenatal development and the newborn, infants, toddlers, preschoolers, guiding and caring for children and special concerns or problems with today's children.

# ***FAMILY AND CONSUMER SCIENCES***

## **► LIVING ENVIRONMENTS**

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**Prerequisite(s):** Orientation to F.A.C.S. or permission of the instructor and the administrator

**Recommendation(s):** Drafting

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 11, 12

**Course Description:** Living Environment introduces students to the world of planning, building, decorating and landscaping a home. Some of the ideas presented are as follows: housing options available; explanation of the living, sleeping and service areas of the home; selection of materials, furniture and treatments for the home; systems and elements of residential structures, climate control, exteriors, remodeling, landscaping and job opportunities in the field of housing.

## **► PARENTING**

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**Prerequisite(s):** Orientation to F.A.C.S. or permission of the instructor and the administrator

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 10, 11, 12

**Course Description:** This course is designed to expose students to the responsibilities, problems and satisfactions of parenthood. Stress prevention and management and the work of many community agencies that help parents deal with the various types of parenting crisis will be emphasized. Special emphasis will be placed on recognition of values, goals, standards, resources and the development of the ability to seek solutions to parental and economic problems.

## **► ADULT LIVING**

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**Prerequisite(s):** Orientation to F.A.C.S. or permission of the instructor and the administrator

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 10, 11, 12

**Course Description:** Adult Living is designed to help the student explore all aspects of life: personal development, decisions affecting their future, lifestyles options and consequences, relationships with family and friends, marriage, parenting, balancing family and work, dealing with family crisis and managing family living.

# ***FAMILY AND CONSUMER SCIENCES***

## **► CHILD CARE I**

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**Prerequisite(s):** Child Development, or permission of the instructor and counselor

**Recommendation(s):** Completed Child Development with at least a C

**Duration:** 2 semesters

**Credit(s):** 1 (Dual credit agreement with Kaskaskia College for 3 credit hours)

**Grade level(s):** 11, 12

**Course Description:** This class is a comprehensive course with lab practicum to make the student's competent early childhood caregivers and teachers. This course will stress the competencies, qualities and knowledge that are needed to help care for the young child. It is designed to provide students interested in child care occupations with information and experiences used in caring for children. The curriculum will cover the following topics: the children and you, creating a safe and healthy environment, guiding children, learning experiences for children and characteristics of good child care programs. Students will gain an understanding of working with children by participation in the preschool lab at school.

## **► CHILD CARE II**

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**Prerequisite(s):** Child Development, Child Care I or permission of the instructor and the counselor

**Recommendation(s):** Completed Child Care I with at least a C

**Duration:** 2 semesters (2 class hours each day)

**Credit(s):** 2

**Grade level(s):** 12

**Course Description:** This course is designed to be a continuation of the Child Care I class. The emphasis will be placed on administration of a child care facility. Upon completion of the course, the student should be able to: work with young children, create a safe and healthy environment, discipline and guide young children, arrange space and activities areas, plan snacks and meals, plan and execute program activities for a child care centers curriculum, communicate to children, parents and classroom teacher and describe various types of early childhood programs available.



# ***FAMILY AND CONSUMER SCIENCES***

## **► FOODS I (FOOD SERVICE OCCUPATIONS I)**

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**Prerequisite(s):** C or better in Foods and Nutrition, or permission from the instructor and counselor

**Recommendation(s):** None

**Duration:** 2 semesters

**Credit(s):** 1

**Grade level(s):** 10, 11, 12

**Course Description:** This course is designed to provide students interested in careers in food services with information and practical experiences needed for the development of food service job related competencies. Units of study will include: following safety procedures, cleaning and sanitation, arranging service and serving guests, preparing garnishes, toppings and fillings, preparing and serving food in quantity, preparing vegetable and sandwiches, preparing meats, poultry and fish, good work habits, cake decorating and measuring techniques.

## **► FOODS II (FOOD SERVICE OCCUPATIONS II)**

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**Prerequisite(s):** C or better in Foods and Nutrition, Foods I, or permission from the instructor and counselor

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 11, 12

**Course Description:** This advanced course in Food Service will continue developing the knowledge and skills begun in Foods I. Additional units of study will include: advanced safety procedures, cost control, preparing various food products, serving guest, management skills, human relations, canning and jelly-making.

# ***FAMILY AND CONSUMER SCIENCES***

## **► DESSERTS**

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**Prerequisite(s):** C or better in Foods and Nutrition, Foods I

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 11, 12

**Course Description:** Information for this class will include a variety of desserts such as different kinds of cakes and frostings, pies, puddings, frozen desserts, cheesecakes, phyllo desserts and puff pastry. Desserts is designed to be mainly a hands on class with a lot of baking experience relying on basic measuring techniques, sanitation and equivalents learned in foods I.

## **► MANAGEMENT OF RESOURCES**

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**Prerequisite(s):** None

**Recommendation(s):** Completed an introductory business course

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 12

**Course Description:** This course is designed to teach students how to manage their personal resources by making informed choices in the marketplace. Units to be covered will include: consumer's role in the economy, money management, banking services, investments, use of credit cards, types of insurance, understanding taxes, buying practices and problems related to specific goods and services such as transportation, clothing, food and housing. *This course does meet one of Central's options for the state graduation requirement for Consumer's Ed.*

# INDUSTRIAL EDUCATION

## ► INTRODUCTION TO MILLWORK

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**Prerequisite(s):** None

**Recommendation(s):** Basic math is necessary

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 9, 10, 11, 12

**Course Description:** The purpose of the course is to teach students direct use of machine tools and those processes used to construct cabinets and furniture. The proper and safe use of primary woodworking power tools and accessories is taught by students doing individual and group activities. The academic purpose of this course is for students to experience the construction of a multi-stepped project which is completed throughout the semester. By completing this project, students will understand how larger complex projects are completed one step at a time. Each student builds each part of a small furniture project or cabinet. The material for this project is paid for by the student and the project becomes their property.

## ► MILLWORK I

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**Prerequisite(s):** Introduction to Millwork or Introduction to Construction with a grade of C or better

**Recommendation(s):** An interest in working with tools

**Duration:** 2 semesters

**Credit(s):** 1

**Grade level(s):** 10, 11, 12

**Course Description:** In this course, students take the basic skills they learned in Introduction to Millwork and apply them to an individual project rather than a group project. Students choose a project based on their own wishes and, if approved, construct that project during the duration of the course. Acceptable projects may be two or three simple ones or one long-term project. Students learn and practice more advanced skills and practices in order to continue to grow more skillful in this craft.

# **INDUSTRIAL EDUCATION**

## **► MILLWORK II**

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**Prerequisite(s):** Millwork I with a grade of C or better

**Recommendation(s):** An interest in working with their hands

**Duration:** 2 semesters (2 class hours each day)

**Credit(s):** 2

**Grade level(s):** 11, 12

**Course Description:** The individual projects must be more complex than Millwork I, therefore challenging to the student. Second, a large unit in manufacturing is implemented during the first semester. The purpose of this unit is to allow students to exercise their previously learned skills and learn about developing, marketing and selling mass produced products. Students learn about business, manufacturing, engineering, management, quality control and many other related activities.

## **► INTRODUCTION TO CONSTRUCTION**

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**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 semester (2 class hours each day)

**Credit(s):** 1 (Dual Credit agreement with Kaskaskia College)

**Grade level(s):** 10, 11, 12

**Course Description:** Introduction to construction is an introductory level course where students will have several intense weeks of study. Lessons taught on the principles of framing light construction, brick and block masonry, concrete form and placement, exterior siding, window installation, roofing and plumbing structures. Students will familiarize themselves with terms associated to construction and building trades; along with learning how to construct students will be taught concepts in job estimation and creating a bill of materials.

# INDUSTRIAL EDUCATION

## ► INTRODUCTION TO DRAFTING

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**Prerequisite(s):** None

**Recommendation(s):** It is critical that the student can use all of the basic math skills

**Duration:** 1 semester

**Credit(s):** 0.5 (Dual Credit agreement with Kaskaskia College)

**Grade level(s):** 9, 10, 11, 12

**Course Description:** This class introduces the students to the fundamental concepts of drafting (mechanical drawing). Students will spend most of their time working on problems which are designed to be solved by graphic means. General areas of investigation are: line types, sketching, geometric construction, lettering, multi view drawings and pictorial drawings. The end goal is for students to understand how to visualize three-dimensional objects and then communicate them on paper using industry standard techniques. Computer Aided Drafting (CAD) is introduced and used to some degree.

## ► MECHANICAL DRAFTING

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**Prerequisite(s):** C or better in Introduction to Drafting or approval from the instructor

**Recommendation(s):** A grade of C or better in Introduction to Drafting, Math/Algebra knowledge and basic computer operation (Windows)

**Duration:** 1 semesters

**Credit(s):** 0.5 (Dual Credit agreement with Kaskaskia College)

**Grade level(s):** 10, 11, 12

**Course Description:** Mechanical Drafting continues to add skills and knowledge gained in the Introduction to drafting course. Students will gain a more complete and thorough understanding of CAD principles related to the Mechanical Engineering Fields. Students will practice techniques of Section, Auxiliary and Isometric views of mechanical and machined parts. Emphasis will be added to threading, boring and finishing marks as applied to machined finishes. Students will be exposed to inventor and how to create 3-D models using the parametric design process. Emphasis on the 3-D modeling will shift to assembly modeling of parts and creating working prototypes in 3-D Printing.

# ***INDUSTRIAL EDUCATION***

## **► ARCHITECTURAL DRAFTING**

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**Prerequisite(s):** C or better in Introduction to Drafting or approval from the instructor

**Recommendation(s):** A grade of C or better in Introduction to Drafting and Drafting I.

A strong knowledge of computer software Windows is important.

**Duration:** 1 semesters

**Credit(s):** 0.5 (Dual Credit agreement with Kaskaskia College)

**Grade level(s):** 10, 11, 12

**Course Description:** Architectural Drafting will continue to add skills and knowledge students gained in the introduction to drafting course. Students will be exposed to CAD principles related to Commercial and residential architectural structures. Students will practice techniques of creating Walls, floors and ceilings in architectural spaces. Students will be exposed to foundation blueprinting and schedules used for bidding and the BIM process. Students will learn the Revit Architecture Program and design structures using 3-D Modeling. Students will create renderings and prints of their structures. Drafting (CAD) is introduced and used to some degree.

# LANGUAGE ARTS

## ► ENGLISH I

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**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** History

**Course Description:** Open to freshmen and students repeating the course. This full-year course focuses on a survey of literature in order to provide students with a variety of selections illustrating elements of short story, drama, poetry, non-fiction and novel. Written and oral communication will be addressed through the study of sentence, paragraph and essay structure. Students will be expected to respond to a variety of prompts in writing and in oral communication (small and large group) and will be expected to use PowerPoint during oral presentations. Grammar activities and vocabulary practice will be interspersed throughout the year. Students will also read essays pertaining to literature, honing critical reading and thinking skills.

## ► HONORS ENGLISH I

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**Prerequisite(s):** Test scores and teacher recommendations from 8th grade

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** History

**Course Description:** Open to freshmen. This full-year course will focus on a survey of literature in order to provide students with a variety of selections illustrating elements of a short story, drama, poetry, non-fiction and the novel. Writing assignments, grammar activities and vocabulary practice will be interspersed throughout the year. Composition assignments will provide students an opportunity to practice the development of clear, well-organized writing. Students will also read essays pertaining to literature, honing critical reading and thinking skills and report quarterly on books including fiction, non-fiction and biography. More reading and writing assignments will be assigned at this level and more focus will be placed on critical and analytical thought.

# LANGUAGE ARTS

## ► ENGLISH II

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**Prerequisite(s):** English I

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** History and Speech

**Course Description:** This sophomore level course includes a broad survey of world literature, ranging from the classical to the contemporary as well as historical and current event non-fiction works. Students will study the holocaust through personal narratives of survivors along with other short readings. Students will be actively engaged in the writing process through the creation of narrative, expository and persuasive papers, including a short research project. In addition to reading and writing, students will also make oral presentations throughout the year, complementing their reading and writing assignments. Students will also review grammar and work on vocabulary development utilizing different assignments and techniques.

## ► HONORS ENGLISH II

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**Prerequisite(s):** Honors English I or an A in English I with teacher recommendation

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** History and Speech

**Course Description:** This sophomore level honors course, includes a broad survey of multicultural world literature ranging from classical to contemporary. Students will study short stories, plays, poems and novels in addition to a variety of non-fiction pieces – both historical and current – which connect to key themes in their literature studies. Vocabulary acquisition strategies will also be emphasized within reading comprehension units. Students will be actively engaged in the writing process through the creation of narrative, expository and persuasive papers, including an MLA formatted research project based on Holocaust studies. Grammar and punctuation exercises will be integrated into writing units throughout the year. Additionally, students will complement their reading and writing with oral presentations throughout the year. Through reading, writing and speaking, students will explore how their individual lives connect with the local community and the world at large. More reading and writing assignments will be assigned at this level and more focus will be placed on critical and analytical thought.



# LANGUAGE ARTS

## ► ENGLISH III

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**Prerequisite(s):** English II

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** American History and Business

**Course Description:** This junior level course studies American literature from its earliest origins to the modern and contemporary eras. The literature study focuses on the historical and philosophical development of literature in America through the study of various authors, genres and literary techniques. The writing process is the second major component of this course. Students will write narrative and argumentative pieces; they will also write in various expository modes, such as comparison/contrast, character analysis and process analysis. A study of the research process will also be completed, concluding with the composition of an MLA style research paper. Grammar concepts will be covered as they are deemed necessary with special attention paid to sentence structure, word usage and punctuation. Vocabulary study will be emphasized and strategies for defining words will be taught. SAT and ACT preparation are included as well.

## ► HONORS ENGLISH III

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**Prerequisite(s):** Honors English II or an A grade in English II with teacher recommendation

**Recommendation(s):** A or B in Honors English II or an A in English II

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** History and Speech

**Course Description:** This sophomore level honors course, includes a broad survey of multicultural world literature ranging from classical to contemporary. Students will study short stories, plays, poems and novels in addition to a variety of non-fiction pieces – both historical and current – which connect to key themes in their literature studies. Vocabulary acquisition strategies will also be emphasized within reading comprehension units. Students will be actively engaged in the writing process through the creation of narrative, expository and persuasive papers, including an MLA formatted research project based on Holocaust studies. Grammar and punctuation exercises will be integrated into writing units throughout the year. Additionally, students will complement their reading and writing with oral presentations throughout the year. Through reading, writing and speaking, students will explore how their individual lives connect with the local community and the world at large. More reading and writing assignments will be assigned at this level and more focus will be placed on critical and analytical thought.

# LANGUAGE ARTS

## ► BRITISH LITERATURE I

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**Prerequisite(s):** Seniors – Honors English III or English III (with a final grade of A or B)  
Juniors – Honors English II and concurrent enrollment in Honors English III (with a final grade of A or B in Honors English II)

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Cross Curriculum:** World History

**Course Description:** This semester-length course will focus on a survey of British literature from the Anglo-Saxon period through the Renaissance. Emphasis will be placed on cultural, historical, literary analysis of a variety of works from epics to poetry to drama. A novel study will also be included. Several critical analyses will be completed through written work and through oral presentation. Research will be used in writing and presenting.

## ► PUBLIC SPEAKING

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**Prerequisite(s):** English III Juniors – English II and concurrent enrollment in English III

**Recommendation(s):** A, B or C in English or Honors English

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade:** 11, 12

**Course Description:** This semester-length course will focus on the introduction and application of the process of communication, as well as the organization, preparation and presentation of speeches. Students will be required to deliver a variety of oral presentations, both planned and impromptu. Students will utilize various methods for planning, writing and delivering speeches, as well as techniques for participating in group discussions and debates. Focus will also be placed on the art of listening and evaluating spoken communication and techniques for overcoming stage fright will be addressed.

# LANGUAGE ARTS

## ► COMPOSITION

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**Prerequisite(s):** Seniors – English III

Juniors – English II and concurrent enrollment in English III

**Recommendation(s):** A or B in English or Honors English

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 11, 12

**Course Description:** Open to juniors and seniors. This semester-length course will focus on the various rhetorical modes of writing, including narrative, research and creative writing. Emphasis will be placed on improving grammar, punctuation and sentence creation as well as organization and word choice skills.

## ► ADVANCED COMPOSITION

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**Prerequisite(s):** Seniors – English III

**Recommendation(s):** A or B in English or Honors English

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level:** 12

**Course Description:** This semester – length course will focus on the various rhetorical modes of composition, research planning, writing and creative writing. Students will write on a daily basis, both formally and informally. Students will write essays that prepare them for the types of writing they will encounter in college. An MLA style research paper will be completed. Emphasis will be placed on advanced composition skills such as style, voice, tone and audience. The steps of the writing process will be emphasized and a variety of essay planning strategies will be taught. Students will be expected to use various revision techniques. Weekly grammar and vocabulary lessons will be studied throughout the semester.

# LANGUAGE ARTS

## ► ADVANCED COMPOSITION 101

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**Prerequisite(s):** Honors English I, II & III

**Recommendation(s):** GPA, Class Rank, PSAT10, Honors English III grades and teacher recommendation. Must meet SAT/ACT/KC test score requirement.

**Duration:** 1 semester

**Credit(s):** 0.5 (dual credit agreement with Kaskaskia College for 3 credit hours, must meet test score requirements)

**Course Description:** Open to seniors. (IAI C1 900) This writing course (1) develops awareness of the writing process; (2) provides inventional, organizational and editorial strategies; (3) stresses the variety of uses for writing; and (4) emphasizes critical skills in reading, thinking and writing. (IAI C1 901 R) During this semester-length course, students will produce college-level writing in the areas of descriptive, narrative and expository writing. Enrollment will be limited to no more than 30 students and will be based on: GPA, Class Rank, PSAT10, Honors English III grades and teacher recommendation. Must meet SAT/ACT/KC test score requirement.

## ► ADVANCED COMPOSITION 102

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**Prerequisite(s):** B or higher in Advanced Composition 101

**Recommendation(s):** GPA, Class Rank, PSAT10, Honors English III grades and teacher rank. Must meet SAT/ACT/KC test score requirement.

**Duration:** 1 semester

**Credit(s):** 0.5 (dual credit agreement with Kaskaskia College for 3 credit hours, must meet test score requirements)

**Course Description:** This writing course (1) develops awareness of the writing process; (2) provides inventional, organizational and editorial strategies; (3) stresses the variety of uses for writing; and (4) emphasizes critical skills in reading, thinking and writing. The writing course sequence must include production of documented, multi-source writing in one or two papers for a combined total of at least 2500 words in final version.

# LANGUAGE ARTS

## ► CONTEMPORARY LITERATURE

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**Prerequisite(s):** Seniors must have earned credit for English I, II, and III. Juniors must have earned credit for English I and II and be concurrently enrolled in English III.

**Recommendation(s):** A or B in English or Honors English

**Duration:** 1 semester

**Credit(s):** 0.5

**Cross Curriculum:** Sociology

**Grade level(s):** 11, 12

**Course Description:** This semester-length course will focus on a survey of literature by twenty-first century authors. Students will connect themes in those works to issues and trends within contemporary society. Emphasis will be placed on analysis of literature through discussion, written work, formal essays, and oral presentations.

## ► THEMES IN LITERATURE

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**Prerequisite(s):** Seniors – Honors English III (with a final grade of A or B) or English III (with a final grade of A or B) Juniors – Honors English II and concurrent enrollment in Honors English III (with a final grade of A or B)

**Recommendation(s):** A or B in English or Honors English

**Duration:** 1 semester

**Credit(s):** 0.5

**Cross Curriculum:** Social Studies

**Grade level(s):** 11, 12

**Course Description:** Open to juniors or seniors. This semester-length course will focus on a survey of poetry, fiction and non-fiction generated by authors of the twentieth and twenty-first centuries. Emphasis will be placed on analysis of literature through discussion and written work. The focus will be on making connections between issues and ideas presented in the literature and the issues and philosophies of life in the twentieth and twenty-first centuries. Critical analysis of literature will be the focus for the class and students will complete several written critical analyses of literature and oral presentations.

# LANGUAGE ARTS

## ► WORKPLACE COMMUNICATIONS I

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**Prerequisite(s):** English III and Keyboarding/CC1

**Recommendation(s):** Computer Concepts I

**Duration:** 1 semester

**Credit(s):** 0.5

**Cross Curriculum:** Business

**Grade level:** 12

**Course Description:** This course will reinforce grammar and communication skills. Through portfolio work, students will work with letters, memos and other documents relating to real work experience. Students will complete a research project utilizing PowerPoint. Emphasis for the project is based on analyzing and researching business topics using different types of technology. Students will read a variety of short stories and essays. To reinforce clear, concise writing, students will complete a unit covering instruction writing, utilizing robots.

## ► WORKPLACE COMMUNICATIONS II

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**Prerequisite(s):** English III and Keyboarding/CC1

**Recommendation(s):** Computer Concepts I

**Duration:** 1 semester

**Credit(s):** 0.5

**Cross Curriculum:** Business

**Grade level:** 12

**Class Description:** Workplace Communications II will continue with various forms of communication, including written and oral communication, that take place in real-world settings. Students will strengthen their skills as they work to compose formal and informal documents for workplace scenarios. Emphasis in this course will focus on appropriate interviews, customer service dialogues, and formal business reports, and other structured writing assignments. Students will present information to classmates in formal oral presentations that will utilize graphics and multimedia elements. Small group communication will be an essential part of the classroom structure. Students will be asked to use technology extensively throughout the class to create, revise, and publish workplace documents.

# ***LANGUAGE ARTS***

## **► TITLE I ENGLISH**

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**Prerequisite(s):** Placement is assigned based on national reading comprehension level norms

**Recommendation(s):** None

**Duration:** Title English I: 1 year; Title English II: 1 year; Title English III: 1 year

**Credit(s):** Title English I: 1; Title English II: 1; Title English III: 1

**Cross Curriculum:** Speech, Business, Social Studies

**Course Description:** The curriculum for Title I English will be the same as English I, II and III English courses. However, there will be fewer reading selections in order to focus on learning different reading strategies which will increase students' comprehension ability. Also, the majority of assignments and reading will be done in class in order to offer one-on-one instruction.

# MATHEMATICS

## ► PRE-ALGEBRA

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**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** English, Science, Business, Industrial Arts and Home Economics

**Course Description:** Pre-Algebra is a one-year course designed to brush up on grade school math and transition into the algebraic content so they can be successful in Algebra I the following year. Students in this class will experience a wide variety of topics including: Problem Solving, Simplifying Variables, Graphs and Equations, Multiple way to represent ideas, Systems of Equations, Transformation and Similarity, Slopes and Associations, Exponents and Functions, Angles and the Pythagorean Theorem and Surface Area and Volume. Students will need to be able to read the content and translate into an Algebraic approach to solve while working together in groups

## ► ALGEBRA I

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**Prerequisite(s):** Pass Pre-Algebra

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** Business, Industrial Arts, Science, English and Home Economics

**Course Description:** Algebra I is a one-year course designed to teach students the fundamental ideas of algebra. Students in this class will experience a wide variety of topics including: functions, linear relationships (using multiple representations for linear situations, investigating slope, graphing lines and finding the equations of lines), simplifying and solving (simplifying expressions, distributive property, multiplying polynomials, solving one-variable equations), solving systems of equations, modeling two-variable data (lines of best fit), exponential functions (using multiple representations for exponential situations, exponential growth and decay and modeling), quadratic functions (using multiple representations for quadratic situations and factoring), solving quadratics and inequalities.



# MATHEMATICS

## ► ADVANCED ALGEBRA I

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**Prerequisite(s):** A or B in 8th grade math or an A in Pre-Algebra with teacher rec.

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** Art, Drafting, English, Industrial Arts and Science

**Course Description:** Algebra I is a one-year course designed to teach students the fundamental ideas of algebra. Students in this class will experience a wide variety of topics including: functions, linear relationships (using multiple representations for linear situations, investigating slope, graphing lines and finding the equations of lines), simplifying and solving (simplifying expressions, distributive property, multiplying polynomials, solving one-variable equations), solving systems of equations, arithmetic and geometric sequences, modeling two-variable data (lines of best fit, residuals, correlation coefficients, and upper and lower bounds), exponential functions (using multiple representations for exponential situations, exponential growth and decay, and modeling), quadratic functions (using multiple representations for quadratic situations, factoring and completing the square), solving quadratics and inequalities, and solving complex equations.

## ► PLANE GEOMETRY

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**Prerequisite(s):** Pass Algebra I or Advanced Algebra I

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** Art, Drafting, English, Industrial Arts and Science

**Course Description:** Plane Geometry is a course that helps students develop logical reasoning. In order to develop this reasoning, topics such as inductive reasoning, coordinate geometry, angles, parallel lines, polygons, proportions, similarity, circles, surface area, volumes and trigonometry are introduced. Many definitions and theorems are presented. Students are not only expected to learn the geometry concepts, but also apply them to real work settings and projects.

# MATHEMATICS

## ► ADVANCED PLANE GEOMETRY

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**Prerequisite(s):** Pass Algebra I, Adv. Algebra I, or take Math Academy Summer Course & pass exit exam

**Recommendation(s):** An A average in Algebra I, or a C or better in Adv. Algebra I

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** Writing, Industrial Arts, English and Science

**Course Description:** Adv. Plane Geometry is a course that aims to formalize and extend the geometry that students have learned in previous courses. It does this by focusing on establishing triangle congruence criteria using rigid motions and formal constructions and building a formal understanding of similarity based on dilations and proportional reasoning. It also helps students develop the concepts of formal proof, explore the properties of two- and three-dimensional objects, work within the rectangular coordinate system to verify geometric relationships and prove basic theorems about circles. Students also use the language of set theory to compute and interpret probabilities for compound events.

## ► ADVANCED MATH APPLICATIONS

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**Prerequisite(s):** Pass Plane Geometry or Adv. Plane Geometry

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Course Description:** This course will expand topics covered in Algebra I. It is designed to give students a solid Algebra foundation, which will allow them to be successful in Algebra II/College Algebra or in a senior level math class such as Statistics. This course will include several Algebra topics such as: Solving linear and Quadratic Equations, Solving Inequalities, Proportions, Solving Systems of Equations and Functions. Several Geometry topics including: Measure of Volume, Area and Capacity, Points, Lines, Planes, Angles, Polygons and Surface Area and Transformations. Other topics covered include: Sets, Numeration Systems, Sequences, Consumer Math, Right Triangle Trigonometry, the Fundamental Counting Principle, Logic, Probability, Permutations, Combinations, the Binomial Distribution and the Graph Theory. This class is designed for the students to apply the topics to multiple real world settings.

# MATHEMATICS

## ► ALGEBRA II

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**Prerequisite(s):** Pass Plane Geometry, Adv. Plane Geometry, or if doubling up as a Sophomore, pass Adv. Algebra 1

**Recommendation(s):** Pass Plane Geometry with an A, pass Adv. Algebra I with a C or better

**Duration:** 1 year (Dual credit agreement with Kaskaskia College for 3 credit hours, must meet test score requirement)

**Credit(s):** 1

**Cross Curriculum:** English, Business and Science

**Course Description:** This course is designed for the student who did very well in Algebra I as well as Advanced Plane Geometry. Students should be able to pass College Algebra at the University or college level if they earn a C or better in this class. Algebra II is essential for Trigonometry and Calculus. Course topics will include: review of some Algebra I concepts, investigation and modeling functions, parabolas and transformation of parent graphs, rational functions, solving equations and finding points of intersection, inverse functions and logarithms, 3D graphing and logarithms, trigonometric functions, polynomial functions, surveys to make inferences, series, probability and variability and analytic trigonometry. Time permitting, we will also go through sequences, exponential functions and comparing single variable data.

## ► COLLEGE PREP MATH

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**Prerequisite(s):** Pass Plane Geometry or Adv. Plane Geometry

**Recommendation(s):** Pass Algebra I with a C or better

**Duration:** 1 year

**Credit(s):** 1 (If a student receives a 70% or higher for their year long grade, this class fulfills their transitional math credit at any Illinois community college)

**Course Description:** Math course framework designed to prepare and transition students directly into college and career pathways requiring general education college level math competencies in quantitative literacy and statistics. The competencies within each domain should include but are not limited to: numeracy (operation sense, estimation, measurement, quantitative reasoning, basic statistics, and mathematical summaries), application based algebraic topics, and functions and modeling. Upon completion students should be able to: demonstrate proficiency and understanding in basic numeracy competencies in whole numbers, integers, fractions, and decimals, use estimation and explain/justify estimates, apply quantitative reasoning to solve problems involving quantities or rates, use mathematical summaries of data such as mean, median, and mode, use and apply algebraic reasoning as one of multiple problem-solving tools, and use functions and modeling processes. Course to be delivered through authentic application, problem-based instruction designed to build mathematical conceptual understanding and critical thinking skills.

# MATHEMATICS

## ► STATISTICS

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**Prerequisite(s):** Pass Algebra II or pass Adv. Geometry and be enrolled in Algebra II

**Recommendation(s):** C or better in Algebra II

**Duration:** 1 semester

**Credit(s):** 0.5 (Dual credit agreement with Kaskaskia College for 4 credit hours, must meet test score requirement)

**Cross Curriculum:** Science, History, Business and English

**Course Description:** Students will learn methods of collecting data, analyzing data and making logical decisions based on the data while focusing on mathematical reasoning and the solving of real-life problems, rather than on routine skills and appreciation. Topics that will be covered include: describe methods (frequency distributions, graphing, and measures of location and variation), basic probability theory (sample spaces, counting, factorials, combinations, permutations and probability laws), probability distributions (normal distributions, normal curve, binomial distribution, random samples and sampling techniques), statistical inference (estimate confidence intervals, hypothesis testing, t-test and chi-square test, and errors), correlation, regression, and analysis of variance.

## ► TRIGONOMETRY

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**Prerequisite(s):** Pass Advanced Plane Geometry and Algebra II or currently enrolled in Algebra II

**Recommendation(s):** B or better in Adv. Plane Geometry (and Algebra II)

**Duration:** 1 semester

**Credit(s):** .5 (Dual credit agreement with Kaskaskia College for 3 credit hours, must meet test score requirement)

**Cross Curriculum:** Industrial Arts and English

**Course Description:** This course will focus on definitions, properties, and graphical characteristics of the six trigonometric functions, radian measure, trigonometric identities and equations, solutions of oblique and right triangles, inverse trigonometric functions, and powers and roots of complex numbers. Further topics taught may include polar coordinates and vectors.

# ***MATHEMATICS***

## **► CALCULUS**

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**Prerequisite(s):** Pass or currently enrolled in Trigonometry

**Recommendation(s):** High B student in Algebra II or Trigonometry

**Duration:** 1 year

**Credit(s):** (Dual credit agreement with Kaskaskia College for 5 credit hours, must meet test score requirement or C or better in dual credit Trig)

**Cross Curriculum:** Science, English and Business

**Course Description:** This class is taught as a college Calculus I course. Students are expected to be able to learn some material on their own. The Texas Instrument Calculators (TI-83) will be used almost every day in this course. Students need to have high levels of maturity and responsibility. Topics of discussion will include: basic review of Algebra II and Trigonometry that will apply to Calculus, limits and their properties, differentiation and derivatives, applications of differentiations, integration, logarithmic functions, exponential functions and other transcendental functions. This course should give every student the ability to excel in their future college Calculus course or even start their college careers by taking Calculus II.

# MUSIC

## ► ROCK BAND

---

**Prerequisite(s):** None

**Recommendation(s):** Experience with guitar, bass, percussion, piano, or singing

**Duration:** 1 year

**Credit(s):** 0.5

**Grade level(s):** 9, 10, 11, 12

**Cross Curriculum:** Math

**Course Description:** Rock band explores musicianship in an ensemble setting performing a broad range of Rock & Roll music. Students will focus on one primary instrument but are welcome to practice another as a secondary. From instrument set up and care, to performing new and classic rock tunes, understanding stage etiquette, and working behind the scenes to prepare for a successful show, there's much to be covered. The band will perform 1-2 formal concerts each semester as well as various local events. ***This course does not exempt a student from Physical Education.***

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# MUSIC

## ► BAND OR PERCUSSION BAND

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**Prerequisite(s):** Grade School Band or instructor permission

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 0.5

**Grade level(s):** 9, 10, 11, 12

**Cross Curriculum:** Math

**Course Description:** The Central Band explores musicianship in an ensemble setting performing a broad range of repertoire. During the summer and fall, the Central Band performs as the Cougar Marching Band, bringing entertainment and excitement to community and athletic events. Following the end of the football season, the band moves indoors to emphasize concert band repertoire and an exciting catalog of pep band music to perform at boys' and girls' basketball games. The Central Band performs 1-2 formal concerts per semester and participates in various festivals and IHSA events. Students are given the opportunity to explore chamber music and vernacular music extracurricularly. Students participating in Band are exempt from PE all semesters but the semester they take Driver's Ed.

## ► CHORUS

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**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 semester or 1 year

**Credit(s):** 0.25 credit per semester

**Grade level(s):** 9, 10, 11, 12

**Course Description:** Students explore the skill of singing as an ensemble. The CCHS Chorus presents 2 concerts per semester showcasing a broad range of repertoire from the Renaissance to the 21st Century. The CCHS Chorus participates in various festivals and IHSA events. Students are given the opportunity to explore solo repertoire in the second semester.

# MUSIC

## ► MUSIC APPRECIATION

---

**Prerequisite(s):** None

**Recommendation(s):** A solid foundation in essay style

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 9, 10, 11, 12

**Cross Curriculum:** Band, Chorus, History, Geography, Sociology

**Course Description:** This course serves as an introduction to representative music masterpieces through perceptive listening. Emphasis is placed on the elements of music, various musical forms and historical periods and great composers and performers.

## ► MUSIC FUNDAMENTALS

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**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 9, 10, 11, 12

**Cross Curriculum:** Band, Chorus, Mathematics

**Course Description:** This course is a foundational music theory class that exposes students to the basic concepts of rhythm, notation, music reading, keyboard literacy and musical form.



# ***PHYSICAL EDUCATION/HEALTH***

## **► P.E.**

---

**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 0.25

**Cross Curriculum:** Health

**Course Description:** This course is designed to provide students with basic knowledge and understanding of the rules and skills needed to participate in team and individual activities that promote a physically fit lifestyle. An emphasis will be placed on the development of health related fitness and its importance for the maintenance of a healthy lifestyle.

## **► CONDITIONING P.E.**

**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 0.25

**Cross Curriculum:** Health

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**Course Description:** This course is geared towards students who are motivated to routinely participate in strength training and physical fitness activities. An emphasis will be placed on the development of proper weightlifting technique and safety measures. Students participating in this course will also be exposed to and expected to understand, the individual and team sports and activities being practiced in the traditional physical education classes.

## **► HEALTH**

**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Cross Curriculum:** P.E., Biology and Physical Science with Earth Science

**Course Description:** This required course will be a general overview of human health. Included with this course of study will be mental, physical, emotional, social & environment health integration. Topics of exercise, nutrition, diet, human sexuality, chemical use, alcohol, & tobacco will be reviewed.

# SCIENCE

## ► GENERAL SCIENCE

---

**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** Math and English

**Course Description:** General science is a freshman level year-length course, which will blend together physics, chemistry, and earth sciences. General science provides a hands-on learning experience that will allow students to apply general scientific concepts to everyday life.

## ► LIFE SCIENCE

---

**Prerequisite(s):** General Science

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** Math and English

**Course Description:** Life Science is offered to sophomores that have successfully completed General Science. This year-length course is designed to introduce the student to the basic biological principals of life. The class covers the cell, kingdoms of life and the human body.

## ► BIOLOGY I

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**Prerequisite(s):** None

**Recommendation(s):** See counselor

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** Math and English

**Course Description:** Biology I is an introductory scientific class designed to provide university bound students with a fundamental understanding of life science and develop a foundation for scientific reasoning skills. Students will explore biological science as a process, the structure of the cell and how these structures function, classification of life and diversity of living organisms as well as an introduction to animal structure and function. Throughout the year this course provides an opportunity for students to develop scientific process skills, laboratory techniques and an understanding of the fundamental principles of living organisms.

# SCIENCE

## ► CHEMISTRY I

---

**Prerequisite(s):** Biology I

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** Algebra and Geometry

**Course Description:** Chemistry I is an introductory high school chemistry course designed for university bound students which provides an in depth coverage of chemistry concepts and develops students' higher-order thinking skills.

## ► BIOLOGY II

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**Prerequisite(s):** Biology I and Chemistry I

**Recommendation(s):** This course is suggested for students wanting an additional science credit for college, without the speed and rigor of the college-level honors biology 2. Teacher recommendation only.

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** Biology I, Algebra and English

**Course Description:** Biology II is a junior or senior-level laboratory science course in which students engage in an in-depth study of the principles of biology introduced during Biology I. This course is designed to provide an interactive approach to developing a better biological understanding of the classification of life, the ecological connections to all living things, and how genetics plays a role in evolutionary tendencies.

# SCIENCE

## ► CHEMISTRY II

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**Prerequisite(s):** Biology I and Chemistry I, in addition to having completed or be concurrently enrolled in Algebra II

**Recommendation(s):** A or B in Chemistry I

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** Health Occupations, Biology I and II, Algebra, Geometry and English

**Course Description:** Chemistry II is a laboratory science course designed to build on topics introduced in Chemistry I. This course investigates chemical bonding and how the kinetic molecular theory and intermolecular forces explain the physical and chemical characteristics of matter. Students will explore chemistry concepts such as solutions, acids and bases thermochemistry, organic chemistry and biochemistry and its relationship to forensic sciences.

## ► ANATOMY AND PHYSIOLOGY

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**Prerequisite(s):** Biology I and Chemistry I

**Recommendation(s):** Students interested in the Biological/Medical fields and A or B in Biology I

**Duration:** 1 year

**Credit(s):** 1 (Dual Credit agreement with Kaskaskia College pending 24-25 school year)

**Cross Curriculum:** Health Occupations, Biology I and Biology II and Biochemistry

**Course Description:** Anatomy and Physiology is a junior/senior survey course covering the structure and function of the human body. The course requires both individual critical thinking skills and an understanding of human body terminology. Students will use dissections of the fetal pig and sheep heart as a comparison to the human body.

# SCIENCE

## ► PHYSICS

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**Science Prerequisite(s):** Biology I, Chemistry I and Chemistry II or Teacher Rec.

**Other Prerequisite(s):** Trigonometry and Algebra II, basic computer skills in word processing, spreadsheets, graphics and internet use

**Recommendation(s):** Teacher recommendation if taking Honors Biology II. Basic computer skills are essential. Students seeking college education in science and/or engineering. Suggested to be currently enrolled in Calculus.

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** World History, English, Algebra II and Calculus

**Course Description:** Physics is a senior survey course covering mechanics, optics, magnetism, electronics and waves. The course requires both individual creative critical thinking and team activities. Students should have excellent math skills including a firm foundation in trigonometry.

## ► HONORS BIOLOGY II

---

**Prerequisite(s):** Biology I and Chemistry I

**Recommendation(s):** This course is suggested for students who are prepared for the rigorous coursework of a college class. This class is taught with the speed and difficulty of a college-level biology course. Teacher Recommendation Only

**Duration:** 1 year

**Credit(s):** 1 (Dual Credit agreement with Kaskaskia College)

**Cross Curriculum:** Biology I, Algebra and English

**Course Description:** Honors Biology II is a junior or senior-level dual-credit course that offers students 8 college credit hours upon successful completion. Students will receive 4 credit hours for Biology 101, which is an introduction to biochemistry, molecular genetics, cell structure and function, cell processes, and evolution. Students will receive an additional 4 credit hours for Biology 102, which is a course designed to provide a foundation in organismal biology and ecology. With an introduction to the structure and function of microorganisms, fungi, animals, and plants, and an emphasis on evolutionary relationships and ecological principles. **This class will be capped at 50 students and will be offered to seniors first.**

# ***SOCIAL SCIENCE***

## **► WESTERN CIVILIZATIONS**

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**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5 (Requirement for CCHS graduation)

**Grade level(s):** 9, 10

**Course Description:** Western Civilizations is a required semester course providing students with foundational knowledge for all other social studies courses at Central High School. The course will provide students with an introduction to world geography, including physical and human geography. Physical geography examines the physical processes that shape patterns in the physical environment including the characteristics of major landforms, climates, and ecosystems, and the interrelationships among them. The study of human geography provides students with an understanding of culture, population patterns, history, political and economic systems, and urbanization. Students will analyze how the components of physical and human geography have shaped Western civilizations (the Western hemisphere) in the past and present. Students will also study maps of the regions of the Western hemisphere, enhancing spatial skills while also gaining an understanding of important locations throughout the world.

## **► EASTERN CIVILIZATIONS**

---

**Prerequisite(s):** Western Civilizations

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 9, 10, 11, 12 (If you have taken Geography previously, you can not take this course)

**Course Description:** Eastern Civilizations is a semester course that pairs with Western Civilizations. Although Eastern Civilizations is not required for graduation, students are strongly encouraged to complete their study of the world by enrolling in Eastern Civilizations. Taken together, students will gain a strong foundation in world geography, cultures, and history. Students will continue to analyze how the components of physical and human geography have shaped Eastern civilizations (the Eastern hemisphere) in the past and present. Students will also study maps of the regions of the Eastern hemisphere including Europe, Asia, Africa, the Middle East, and the Pacific, enhancing spatial skills while also gaining an understanding of important locations throughout the world.

# ***SOCIAL SCIENCE***

## **► AMERICAN HISTORY**

---

**Prerequisite(s):** None

**Recommendation(s):** Sophomore or Junior

**Duration:** 1 year

**Credit(s):** 1 (required for graduation)

**Course Description:** Students investigate important American issues, analyze a variety of perspectives and form their own answers to the enduring questions that have shaped our country. American History offers students an in depth study of people, events, court decisions, themes and outside influences that have all impacted the history of America. Students will analyze primary sources, understand cause and effect and develop an understanding of how our past influences the U.S. today. Curriculum will include lectures, power points, worksheets, tests, essays, readings and a class project. The main period of focus will be from (but not limited to) Colonization to World War II. This course is structured to the Illinois Learning Standards.

## **► CIVICS**

---

**Prerequisite(s):** None

**Recommendation(s):** Junior or Senior

**Duration:** 1 semester

**Credit(s):** 0.5

**Course Description:** Civics focuses on the principles and the basic organization and operation of government at the local, state and national level. Students learn about the six basic principles of the constitution and how its flexibility has enabled it to be successful for over 200 years. Course Content examines the rights and responsibilities of citizenship in our current system, the political process and state and local governments. Class discussions include weekly reviews of a newspaper in which students must connect the articles at a local, state and national level. Students must pass both the Illinois and U.S. Constitution tests as required by the state. Students will also analyze the U.S. court system through a research based project and presentation. In addition, students will explore local government through village/city hall meetings or a research paper on local government. The one-semester course is designed to prepare students to be active participants in the democratic process.

# ***SOCIAL SCIENCE***

## **► HONORS AMERICAN HISTORY**

---

**Prerequisite(s):** This course is for college bound students and will include intensive writing and reading. This course fulfills the American History requirements and can be taken as an additional Social Science credit.

**Recommendation(s):** College bound student

**Duration:** 1 year

**Credit(s):** 1 (Dual credit agreement with Kaskaskia College for 6 credit hours, must meet test score requirement)

**Course Description:** The Honors American History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. Honors American History prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students will learn to analyze, interpret, provide importance and determine relevance of historical scholarship in American History. Students will be expected to perform intense writing and be able to apply comprehensive reading.

## **► PSYCHOLOGY I**

---

**Prerequisite(s):** None

**Recommendation(s):** Junior or Senior

**Duration:** 1 semester

**Credit(s):** 0.5

**Course Description:** This social science course focuses on the study of the human brain and behavior. Units include an introduction to the field of psychology, famous psychologists and possible future careers in the field. A look into developmental psychology as people transition through childhood, adolescence and adulthood. Then, parts of the human brain and the role they play in shaping behaviors. An in depth look into personalities and the similarities/differences that drive human behavior. Altered states of consciousness will be studied including sleep, dreams, hypnosis, psychoactive drugs, meditation and biofeedback. The class will dive into the world of psychological disorders and cover the categories of dissociative disorders, anxiety disorders, somatoform disorders, mood disorders, personality disorders and schizophrenia. The class will finish up with a unit over stress and its impact on health. This is an excellent introductory class into the field of psychology and can be beneficial in most future careers.



# ***SOCIAL SCIENCE***

## **► PSYCHOLOGY II**

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**Prerequisite(s):** Psychology

**Recommendation(s):** Senior

**Duration:** 1 semester

**Credit(s):** 0.5

**Course Description:** This social science course takes a more in depth look into the study of the brain and behavior. The class will pick up with a unit over memory including types, processes, stages, techniques and improvement. A unit over intelligence will be studied and will include theories, IQ and whether nature vs. nurture plays a more important role in determining intelligence. The class will transition into a unit over social psychology and study topics like perceptions, prejudice, love/attraction, attitudes and aggression. The students will then get to dive into sports psychology and cover topics including motivation, teamwork and leadership. Students will be required to complete a criminal profile as they assume the role of a psychologist and apply the knowledge and skills learned in Psychology I and Psychology II to their project.

## **► ECONOMICS**

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**Prerequisite(s):** None

**Recommendation(s):** Junior or Senior

**Duration:** 1 semester

**Credit(s):** 0.5

**Course Description:** Economics is offered to Juniors and Seniors who are college bound. Those students who plan on pursuing a career in a business field will find the course beneficial. Students will learn about the basic systems of economics in the United States such as the Free Enterprise System. Both Microeconomics and Macroeconomics will be discussed. Microeconomics will focus on important ideas such as supply and demand as well as how businesses operate and how they interact with the labor force. Students will also explore the mechanics of the American banking system and stock market. *This course does meet one of Central's options for the state graduation requirement for Consumer's Ed.*

# ***SOCIAL SCIENCE***

## ► **MODERN WORLD HISTORY (1918 -PRESENT)**

---

**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Course Description:** Modern World History is a survey course, which will focus on world events beginning with World War 1 and the Russian Revolution. Class discussions will center on major world events from the perspective of Europe such as: World War I, World War II, the Cold War and the present conflicts as time allows. Other topics of interest will include ideologies that have shaped our world: nationalism, imperialism and totalitarianism. Along with class discussions, students can expect to engage with primary sources from the time periods, which will allow students to formulate their own opinions about history.

## ► **MODERN U.S. HISTORY (1945-PRESENT)**

---

**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Course Description:** Modern U.S. History is a survey course which will allow students to explore important events in U.S. History beginning with World War II and leading up to current events such as the War in Iraq and other U,S, domestic and foreign affairs. Students will learn about major U.S. conflicts abroad including the Cold War and the Vietnam War. Class discussions will also center on issues on the domestic front: the Civil Rights Movement, the 1960's counterculture, the Nixon presidency, the Reagan presidency and the war on terrorism. Along with class discussions, students can expect to engage with primary sources from the time periods, which will allow students to formulate their own opinions about history.

# ***SOCIAL SCIENCE***

## **► CONTEMPORARY U.S. ISSUES**

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**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 semester

**Credit(s):** 0.5

**Grade level(s):** 10, 11, 12

**Course Description:** This social science course is designed to introduce students to contemporary domestic issues through the perspectives of history and political science. The course will focus on general issues and trends shaping their modern-day world as they enter the media spotlight. This course is researched-based and current events-focused and will require students to develop media literacy and open minds to opposing viewpoints. Within the framework of the course, student input will be taken into account when deciding the topics and issues for study. Upon completion of the course, students will have a deeper understanding of the issues facing their modern world, be better able to engage in fact-based discussion about those issues, and will be better able to navigate the media landscape surrounding them.

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# ***SOCIAL SCIENCE***

## **► SOCIOLOGY I**

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**Prerequisite(s):** Must meet ENG 101 test score requirement for dual credit option

**Recommendation(s):** Junior or Senior

**Duration:** 1 semester

**Credit(s):** 0.5 (Dual Credit agreement with Kaskaskia College for 3 credit hours when SOC II is complete; must take Sociology I/II in consecutive semesters to earn dual credit.)

**Course Description:** Sociology is an introductory course into the study of human social behavior in society. The course will encourage students to view the world through the “sociological perspective.” This ability is important not only for self-discovery and growth, but also as preparation for many career fields including (but not limited to): criminal justice, education, and health care. The first half of the course will focus on the foundations of sociology, which includes research methods, theoretical perspectives, important sociologists, culture, and socialization (development). The focus then shifts to social interaction, social structure, and group membership. Students have the opportunity to explore specific issues in society such as the increasing role of technology and social media in our lives, crime and deviance, and social class and poverty. Topics such as gender and race will be introduced within some of the units.

## **► SOCIOLOGY II**

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**Prerequisite(s):** Sociology I (must meet ENG 101 test score requirement)

**Recommendation(s):** Junior or Senior (Should have received a C or better in Sociology I)

**Duration:** 1 semester

**Credit(s):** 0.5 (Dual Credit agreement with Kaskaskia College for 3 credit hours; must take Sociology I/II in consecutive semesters to earn dual credit.)

**Course Description:** This sociology course takes a more in-depth look into social inequalities and social structure. The course continues the exploration of social stratification by examining global inequality. Students will learn about the social inequalities of race, ethnicity, and gender. The course will also analyze the societal structures of family, marriage, education, religion, government, and economy. The second half of the course will discuss issues in health, population, and the environment. The course concludes with learning about global social change movements. Overall, this course will help students better understand the ever-changing world around them, allowing them to understand periods of crises and change.

# VISUAL ART

## ▶ ART I

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**Prerequisite(s):** None

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** History, Geometry and Life Sciences

**Course Description:** This is an introductory course that exposes students to many techniques and media associated with visual art. Areas of discipline covered include drawing, painting, design, print making and ceramics. Art history and theory are incorporated into each project. Art appreciation and critical thinking will be emphasized. Production of quality work, creative development and a conscientious work ethic is stressed.

## ▶ ART II

---

**Prerequisite(s):** Art I with a grade of a C or better

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** History, Geometry, Life Sciences and English

**Course Description:** This course includes advanced study and execution of drawing, painting, ceramics, print making and design. The techniques of wheel thrown pottery, ceramic sculpture, screen printing, graphic commercial design and airbrush paintings are integrated into the curriculum. Upon completion of the course, students will be able to demonstrate greater proficiency in the basic disciplines and techniques of visual art. Students will be able to employ abstract interpretations, analyze and render the human figure and understand the historical significance of various periods, movements and artists.

# VISUAL ARTS

## ► ADVANCED ART

---

**Prerequisite(s):** Art II with a grade of a C or better

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** History, Geometry, Life Sciences, Computer Science and English

**Grade level(s):** 11-12

**Course Description:** This course is designed for students who are individually motivated and possess a great desire to excel. Within the course students are expected to work in a preapproved thematic series to create a body of artwork that could be showcased in a visual art show and or portfolio based series of work driven by advanced subject matter, techniques, and skills. Students are expected to work on a range of two dimensional and three dimensional media that showcases their basic skills and challenges them to reach their potential in a range of unfamiliar materials. At the end of the course students should walk away with a strong physical and digital portfolio of artwork that could be showcased at an advanced level.

## ► ADVANCED ART PROJECTS

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**Prerequisite(s):** Adv. Art with a grade of a C or better

**Recommendation(s):** None

**Duration:** 1 year

**Credit(s):** 1

**Cross Curriculum:** History, Geometry, Life Sciences, Computer Science and English

**Grade level(s):** 12

**Course Description:** This course is designed for students who are highly motivated and passionate about the creation of art. Students will be expected to build upon their art portfolios from Advanced Art and challenge themselves in a range of two dimensional and three dimensional artwork that will help round out a college ready art portfolio. Students are expected to collaborate in the design of a range of visual artwork through research, media, and various sketches to get a range of advanced multimedia artwork that can be showcased in a large art showcase at the end of the year. Upon completion of the course students should have a large scale visual artwork that showcases their talent, a strong physical and digital portfolio of work, and develop an understanding and appreciation of artwork through investigation of their artistic voice.

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