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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.

Prerequisites:

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

Recommendations:

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

Prerequisite: None

Recommendations: Be interested in the world of Agriculture not necessarily to be from a farm.

Duration: 2 semesters

Credit: 1 for the class and 0.5 for their record books

Grade Level: 9, 10, 11, 12

Course Description: This introductory course will provide the students with an opportunity to learn about how the agriculture industry is organized and the types of job opportunities that the agriculture field of study has to offer. Course content will include the following units of study: reading blueprints, basic measurement skills, the making of shop projects out of sheet metal using large metallurgy tools and hand tools; studying how agriculture affects the scope and types of job opportunities in our local community. Also aught is the learning employability skills, the basic concepts in animal and plant science including swine, beef and dairy breed, evaluating animals for judging; using computers to learn the basic concepts of record keeping, agriculture mechanics, the introduction to microcomputer application, ethics, leadership, and the study of the FFA organization.

Agriculture Science

Prerequisite: Introduction to Agriculture

Recommendations: Enjoy agriculture.

Duration: 2 semesters

Credit: 1 for the class and 0.5 for their record books

Grade Level: 10, 11, 12

Course Description: This class will cover the following units of study: soil science, animal science and crop science; mechanical skills for assembling, maintaining, and repairing equipment; introduction to arc, MIG, oxyacetylene welding, and cutting; applied math and computer skills; concepts in leadership, and FFA.

Agriculture Operations

Prerequisite: Introduction to Agriculture & Agriculture Science

Recommendations: None

Duration: 2 semesters

Credit: 1 for the class and 0.5 for their record books

Grade Level: 11, 12

Course Description: In this course students will develop skills related to mechanics. Students will study and work on internal combustion engines and develop mechanical skills in the analysis of an engine and use of tools. Students will also study crop fertilizers and figure fertilizer formulas for specific crops. Additional areas of study include the theory, running and use of electric motors; study of electricity, drawing schematics, wiring circuits using switches, lights and outlets; students will be taught surveying skills in which they will use survey equipment and perform differential and profile surveys, take notes and solve survey problems; students will also be taught about legal land description, how to read a Platt book figure land acreage.

Agriculture Business Management

Prerequisite: Introduction to Agriculture

Recommendations: Desire to learn financial topics.

Duration: 2 semesters

Credit: 1 for the class and 0.5 for their record books

Grade Level: 12 (Dual Credit Agreement with Kaskaskia College for 1 credit hour)

Course Description: This final 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 Power Mechanics I

Prerequisite: None

Recommendations: Enjoy working with hands and have good hand eye coordination.

Duration: 1 semester

Credit: 0.5

Grade Level: 12

Course Description: This course focuses on small engine power mechanics as well as agribusiness management skills. Major units of study include: all theories of engine operation; careers exploration of this agriculture power field; major engine overhaul procedures including knowledge of tools used in the process; proper engine maintenance and troubleshooting will be discussed. Student is responsible for bringing in at least one motor to work on in the class.

Agriculture Power Mechanics II

Prerequisite: None

Recommendations: Enjoy working with hands and have good hand eye coordination.

Duration: 1 semester

Credit: 0.5

Grade Level: 12 (Or special permission from the instructor)

Course Description: This course will focus on power mechanics for automobiles. Major units of study will include: power transfer systems; cylinder engine overhaul; engine repairs tools and careers in this Ag mechanic related field; all major theories of engine operation will be taught along with proper maintenance and problem trouble shooting of motors and vehicle parts. After completion of course, students should have a good understanding of working conditions, employability skills needed, earning potential, and job opportunities in this career field.

Agriculture Mechanics & Technology (Welding)

Prerequisite: None

Recommendations: Like working with hands in an Ag shop environment.

Duration: 2 semesters

Credit: 1

Grade Level: 11, 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.

Business

Keyboarding & Introduction to Business

Prerequisite: None

Recommendations: None

Duration: 1 semester

Credit: 0.5

Grade Level: 9, 10, 11, 12

Course Description: This **required** course is designed to develop basic skills in keyboarding techniques, word processing basics, spreadsheet basics, and use of the Internet. Units of study will include: develop touch systems techniques, speed and accuracy of keying, formatting of documents such as memos, letters, reports, and tables integrating features in Microsoft Word 2016, Microsoft Excel 2016, and basic Internet skills. During the second half of the course, major emphasis is placed on an introduction to business. Focus will be on marketing concepts, business types, business management, and computer skills.

Sports & Entertainment Marketing

Prerequisite: Keyboarding & Introduction to Business

Recommendations: None

Duration: 1 semester

Credit: 0.5

Grade Level: 9, 10, 11, 12

Course Description: This course will help develop an understanding of the marketing concepts and theories that apply to sports and entertainment events. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. Students will obtain practical experience through the experience of hands-on projects and in-class simulations, which allow students to apply the principles of marketing.

Business Law

Prerequisite: Keyboarding & Introduction to Business

Recommendations: None

Duration: 1 semester

Credit: 0.5

Grade Level: 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: Keyboarding & Introduction to Business

Recommendations: None

Duration: 1 semester

Credit: 0.5

Grade Level: 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.

Introduction to Coding

Prerequisite: Keyboarding & Introduction to Business

Recommendations: Strong desire to want to understand computer science.

Duration: 1 semester

Credit: 0.5

Grade Level: 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.

Entrepreneurship

Prerequisite: Keyboarding & Introduction to Business

Recommendations: None

Duration: 1 semester

Credit: 0.5

Grade Level: 11, 12

Course Description: Students today realize that becoming a business owner is a career option. This course provides students with the knowledge needed to realistically evaluate their potential as a business owner. This course encourages students to examine all the major steps involved in starting a new business: Ownership, Strategy, Finance, and Marketing. Students will develop a business plan and learn what it takes to get an entrepreneurial venture off to a good start. Market research, budgeting, selecting a business location, and financing the business are covered using real-life examples that students can relate to. Information on online research and online business planning is also included.

Computer Concepts I

Prerequisite: Keyboarding & Introduction to Business

Recommendations: Should have received a “C” or better in Keyboarding & Introduction to Business

Duration: 1 semester

Credit: 0.5 (Dual Credit agreement with Kaskaskia College if CCII is complete)

Grade level: 9, 10, 11, 12

Course Description: Computer Concepts I 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 7, Microsoft Word 2016, Microsoft Excel 2016, and integration of the applications. Students will use Microsoft Office as a tool to complete lab applications.

Computer Concepts II (Information Processing IA)

Prerequisite: Keyboarding & Introduction to Business, Computer Concepts I

Recommendations: Should have received a “C” or better in Keyboarding & Introduction to Business

Duration: 1 semester

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

Grade level: 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 2016, Microsoft PowerPoint 2016, and Microsoft 2016 Integration. Students will use Microsoft Office as a tool to complete lab applications.

Web Design I (Information Processing IB)

Prerequisite: Keyboarding & Introduction to Business, Computer Concepts I

Recommendations: None

Duration: 1 semester

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

Grade level: 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)

Prerequisite: Keyboarding & Introduction to Business, Computer Concepts I, Web Design I

Recommendations: None

Duration: 1 semester

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

Grade level: 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.

Accounting I

Prerequisite: Keyboarding & Introduction to Business, Computer Concepts I

Recommendations: None

Duration: 2 semesters

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

Grade level: 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: Keyboarding & Introduction to Business, Computer Concepts I, Accounting I

Recommendations: None

Duration: 2 semesters

Credit: 1

Grade level: 12

Course Description: This full 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.

DRIVER EDUCATION

Driver Education

Duration: 1 Quarter

Credits: 1/2

Class 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.

Recommendations: None

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

FINE ARTS

Principles of Movement

Duration: 1 quarter

Credit: 1/4

Class Description: This course is a study of different historical dance periods and how they reflect societies past and present. The student will also perform several different dances and prepare a dance project to teach to the class.

Prerequisites: None

Recommendations: None

Cross Curriculum: Music, History, & P.E.

Introduction to Literature

Duration: 1 quarter

Credits: 1/4

Class Description: This class introduces freshmen to the world of theater. The class explores the development of drama in Europe and America through history and takes a look at selections from various eras, studying Antigone, Romeo and Juliet and a modern piece. Students consider the various elements of good dramatic writing--exposition, character, plot, and theme. Students look at the people and work involved in the staging of a play, requiring directors, actors, and designers who design sets/scenery, costumes, hair/make-up, lighting and sound.

Prerequisites: None

Recommendations: None

Cross Curriculum: English, History, and Art

Music

Duration: 1 quarter

Credits: 1/4

Class Description: Students have the opportunity to explore various facets of music including music literacy, formal analysis, and music history. This class introduces freshmen to the role and importance of music in our lives. The overall goals of the course are to assist all students: to respond emotionally and intelligently to a wide range of music representative of many styles and cultures; to understand the social uses of music and to value music accordingly; to recognize music as an important marker of its time and culture; to develop knowledge and understanding of and respect for superlative human musical achievements; and to acquire an overview of their own musical heritage and why music is an essential ingredient of all human cultures. Students will acquire the technical understanding necessary, including acquisitions of basic musical concepts and vocabulary, knowledge of music theory and history, and development of skills in analysis, listening, performing, creating, and critiquing. These knowledge and skills are both ends and means. They serve the larger purpose of helping students gain an understanding of, and respect for, the role and importance of music in their lives.

Prerequisites: None

Recommendations: None

Cross Curriculum: History, Geography, Drama, Dance, Band, Chorus, Technology, and English

Visual Art

Duration: 1 quarter

Credits: 1/4

Class Description: This course will introduce and cover the basic elements, formal qualities, and technical skills of visual art. The use of various tools and media in the creation of Art, will be presented. Significant works of art from major historical periods will be discussed and used to re-enforce student learning. Students will be required to demonstrate hands-on proficiency in the following areas: drawing, painting, sculpture, collage/montage, and printmaking.

Prerequisites: None

Recommendations: None

Cross Curriculum: History, Geometry, and Life Sciences

FOREIGN LANGUAGE

Spanish I

Duration: 1 Year

Credits: 1

Grade level: 9, 10

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.

Prerequisites: None

Recommendations: Grade of C or better in English class.

Cross-Curricular: History, Geography, Music

Spanish II

Duration: 1 Year

Credits: 1

Grade level: 10, 11, 12

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 family, inviting others to various places, going to a restaurant/food, shopping, countries and nationalities, and vacation and travel. More extended cultural studies and novels will also be used in Spanish II, along with more extended readings in the target language, podcasts, videos, commercials, and music.

Prerequisites: Grade of C or better in Spanish I

Recommendations: None

Cross-Curricular: History, Geography, Music

Spanish III

Duration: 1 Year

Credits: 1

Grade level: 11, 12

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.

More challenging novels in the target language are 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, a soap opera, and podcasts.

Prerequisites: Grade of C or better in Spanish II

Recommendations: None

Cross-Curricular: History, Geography, Music

Spanish IV

Duration: 1 Year

Credits: 1

Grade level: 12

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. More challenging novels in the target language are also used. Units in this course include describing and telling about past events, news and weather in the target language, preparing food, history, art, films, health care in the target language, culture of Cuba and Argentina, travel, and geography.

Prerequisites: Grade of C or better in Spanish III

Recommendations: None

Cross-Curricular: History, Geography, Music

HEALTH OCCUPATIONS

Orientation to Health Science Technology

Prerequisite: Have completed a basic science course with C or higher

Recommendations: None

Duration: 2 semesters

Credit: 1 (Dual credit agreement with Kaskaskia College for 1 credit hour)

Grade Level: 11, 12

Course Description: This course consists of classroom instruction, possible community presentations, and field trip(s). Units of instruction will provide information about various allied health careers, safety and infection control, emergency preparedness, medical terminology, anatomy and physiology, disease and disorders, growth and development, nutrition, legal aspects, and communication skills. Students who complete the course successfully can earn 1 credit from Kaskaskia College for Medical Terminology.

Health Science Technology I

Prerequisite: Completion of or currently enrolled in Orientation of Health Science Technology

Recommendations: None

Duration: 2 semesters

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

Grade Level: 12

Course Description: This course consists of lecture, on-campus skill lab work, and off-campus clinical experiences in healthcare setting(s). Instruction will include review of information presented in Orientation to Health Science Technology class as well as advanced instruction on these topics in relation to providing care to patients and residents, Alzheimers, and direction on state required basic nurse assistant skills. The program will require a minimum of 80 hours of lecture/lab and 40 hours of clinicals. Students who obtain a C or higher in both classroom and clinical experiences of this program will allow for the student to be eligible for the state CNA exam. Passing this state test will then identify the student as a Certified Nurse Assistant with the Illinois Department of Public Health. Due to the nature of this course, students may incur fees in relation to obtaining uniform(s), TB testing, background checks, flu shots, state exam fee, and any other fees as required.

Health Occupations Internship

Prerequisite: Orientation to Health Science Technology

Recommendations: None

Duration: 1 semester

Credit: 0.5

Grade Level: 11, 12

Course Description: This course enables the student to experience firsthand what the chosen health occupation involves in addition to the areas of instruction taught in the prerequisites course. The emphasis will be placed on communication, job seeking skills, and work ethics. If the students schedule allows, he/she may receive release time from the regular school day to participate in the course. In addition, participation may be on weekends, in evenings, and/or on holidays to yield a true school to work experience. An application will be completed prior to entry into the course. A written training agreement will be completed by the students, parents or guardians, teacher/coordinator, and the employer providing the internship.

Orientation to Family & Consumer Science

Prerequisite: None

Recommendations: None

Duration: 1 semester

Credit: 0.5

Grade Level: 9, 10, 11, 12

Course Description: This is the suggested course for all Family & 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 dual 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 & Nutrition

Prerequisite: Orientation to F.A.C.S. or the permission of the instructor and administration.

Recommendations: None

Duration: 1 semester

Credit: 0.5

Grade Level: 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.

Clothing & Textiles

Prerequisite: None

Recommendations: None

Duration: 1 semester

Credit: 0.5

Grade Level: 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

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

Recommendations: None

Duration: 1 semester

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

Grade Level: 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.

Living Environments

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

Recommendations: Drafting would be useful.

Duration: 1 semester
Credit: 0.5
Grade Level: 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

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

Recommendations: None

Duration: 1 semester
Credit: 0.5
Grade Level: 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

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

Recommendations: None

Duration: 1 semester
Credit: 0.5
Grade Level: 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.

Child Care I

Prerequisite: Orientation to F.A.C.S., Child Development, or permission of the instructor and the administrator.

Recommendations: Completed Child Development with at least a “C”.

Duration: 2 semesters
Credit: 1 (Dual credit agreement with Kaskaskia College for 3 credit hours)
Grade Level: 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

Prerequisite: Orientation to F.A.C.S., Child Development, Child Care I or permission of the instructor and the administrator.

Recommendations: Completed Child Care I with at least a “C”.

Duration: 2 semesters

Credit: 1

Grade Level: 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.

Child Care Supervision

Prerequisite: Child Care or currently enrolled in a Child Care I or II class.

Recommendations: None

Duration: 2 semesters

Credit: 0.5

Grade Level: 11, 12

Course Description: This class is designed to coincide with the Child Care class. Students will supervise and plan activities with the preschool children. Students will also keep various records, sanitize, and do research on various child care topics.

Foods I (Food Service Occupations I)

Prerequisite: Orientation to F.A.C.S., Foods and Nutrition, or permission from the instructor and administrator.

Recommendations: None

Duration: 2 semesters
Credit: 1
Grade Level: 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)

Prerequisite: Orientation to F.A.C.S., Foods and Nutrition, Foods I, or permission from the instructor and administrator.

Recommendations: None

Duration: 1 semester
Credit: 0.5
Grade Level: 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.

Desserts

Prerequisite: Orientation to F.A.C.S., Foods and Nutrition, Foods I

Recommendations: None

Duration: 1 semester
Credit: 0.5
Grade Level: 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

Prerequisite: None

Recommendations: Completed an introductory business course.

Duration: 1 semester

Credit: 0.5

Grade Level: 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.

Careers

Duration: 1 semester

Credits: .5

Class Description: This course is a semester course designed to assist young adults to successfully transition from school to career. Main topics include: career development; career awareness; job attainment; job survival; work ethics; and personal skills. Students are also required to participate in community service hours or projects throughout the year.

Prerequisite: None. Open to juniors and seniors.

Cross Curriculum: English, Mathematics, Psychology, and Management of Resources.

INDUSTRIAL EDUCATION

Introduction to Millwork

Prerequisite: None

Recommendations: Basic math is necessary

Duration: 1 semester

Credit: 0.5

Grade Level: 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

Prerequisite: Introduction to Millwork or Introduction to Construction with a grade of “C” or better.

Recommendations: An interest in working with tools.

Duration: 2 semesters

Credit: 1

Grade Level: 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.

Millwork II

Prerequisite: Millwork I with a grade of “C” or better.

Recommendations: An interest in working with their hands.

Duration: 2 semesters (2 class hours each day)

Credit: 2

Grade Level: 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

Prerequisite: None

Recommendations: None

Duration: 1 semester

Credit: 0.5

Grade Level: 9, 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.

Introduction to Drafting

Prerequisite: None

Recommendations: It is critical that the student can use all of the basic math skills.

Duration: 1 semester

Credit: 0.5

Grade Level: 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

Prerequisite: Introduction to Drafting or approval from the instructor

Recommendations: A grade of “C” or better in Introduction to Drafting, Math/Algebra knowledge, and basic computer operation (Windows)

Duration: 2 semesters

Credit: 1 (Dual Credit agreement with Kaskaskia College for 7 credit hours)

Grade Level: 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.

Architectural Drafting

Prerequisite: Introduction to Drafting, Drafting I, or approval from the instructor

Recommendations: A grade of “C” or better in Introduction to Drafting and Drafting I. A strong knowledge of computer software Windows is important.

Duration: 2 semesters

Credit: 1 (Dual Credit agreement with Kaskaskia College for 4 credit hours)

Grade Level: 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.

LANGUAGE ARTS

English I

Duration: 1 year

Credits: 1

Class 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.

Prerequisites: None

Recommendations: None

Cross Curriculum: Fine Arts

Honors English I

Duration: 1 year

Credits: 1

Class 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.

Prerequisites: Test scores and teacher recommendations from 8th grade.

Recommendations: None

Cross Curriculum: Fine Arts

English II

Duration: 1 year

Credits: 1

Class 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.

Prerequisites: English I

Recommendations: None

Cross Curriculum: Fine Arts and Speech

Honors English II

Duration: 1 year

Credits: 1

Class 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.

Prerequisites: Honors English I or an A in English I

Recommendations: None

Cross Curriculum: Fine Arts and Speech

English III

Duration: 1 year

Credits: 1

Class 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. ACT and PSAE preparation are included as well.

Prerequisites: English II

Recommendations: None

Cross Curriculum: American History and Business.

Honors English III

Duration: 1 year

Credits: 1

Class 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. Several novels and longer works will be studied. Frequent papers and projects over literary topics and historical connections will be assigned. The composition study will focus on the various rhetorical modes (with an emphasis in literary analysis), and an MLA style research paper will be completed. In all areas of composition, special attention will be paid to author's tone and style, as well as critical and analytical thought. Students will utilize a variety of writing techniques and tools. 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. ACT and PSAE preparation are included as well.

Prerequisites: Honors English II or an A grade in English II

Recommendations: A or B in Honors English II or an A in Eng II

Cross Curriculum: Business and American History

Workplace Communications

Duration: 1 semester

Credits: 1/2

Class 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.

Prerequisites: English III and Keyboarding.

Recommendations: Computer Concepts I

Cross Curriculum: Business

British Literature 1

Duration: 1 Semester

Credits: 1/2

Class 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.

Prerequisites: 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)

Cross Curriculum: None

British Literature II

Duration: 1 semester

Credits: 1/2

Class Description: This semester-length course will focus on a survey of British literature from

the Restoration through the Renaissance to the Modern World. Emphasis will be placed on cultural, historical, literary analysis of a variety of works from drama to poetry to short fiction and non-fiction. 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.

Prerequisites: 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)

Cross Curriculum: N/A

Advanced Composition

Duration: 1 semester

Credits: 1/2

Class Description: Open to Juniors or seniors. Prerequisites: Seniors must have earned credit for English III; juniors must be concurrently enrolled in English III. 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.

Prerequisites: Seniors – English III
Juniors – English II and concurrent enrollment in English III

Recommendations: An A or B in English or Honors English

Cross Curriculum: Business, Fine Arts, and Social Studies

Communications

Duration: 1 semester

Credits: 1/2

Class 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.

Prerequisites: Seniors – English III
Juniors – English II and concurrent enrollment in English III

Recommendations: An A,B, or C in English or Honors English

Cross Curriculum: Business

Themes in Literature

Duration: 1 semester

Credit: ½

Class Description: Open to juniors or seniors. Prerequisites: seniors must have earned credit for English III; juniors must be concurrently enrolled in English III. 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.

Prerequisites: 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)

Recommendations: An A, B, in English or Honors English

Cross Curriculum: Fine Arts and Social Studies

Pop Culture in Literature and Media Today

Duration: 1 semester

Credits: 1/2

Course Description: Open to juniors and seniors. Prerequisites: 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. This semester-length course will focus on a survey of issues and trends within our current society through the study of young adult novels, non-fiction essays,

music, movies, poetry, news stories, and T.V. (commercials and shows). Analysis of trends in our popular culture will occur through discussion, written work, and oral presentations.

Prerequisites: Seniors—English III

Juniors—English II and concurrent enrollment in English III

Recommendations: An A or B in English or Honors English

Cross Curriculum: N/A

Journalism

Duration: One year

Credit: 1

Course Description: Journalism will focus on the history of journalism, the roles and responsibilities of journalists, news, newsgathering, writing, and other aspects of scholastic journalism. Students will work together to publish a school newsletter. Students will learn to work with digital and film cameras, desktop publishing, word processing programs, and the Internet.

Prerequisites: English I and can be taken concurrently with English II & Keyboarding I

Recommendations: Computer Concepts I

Cross Curriculum: Business

Composition

Duration: 1 Semester

Credits: 1/2

Description: Open to juniors and seniors. Prerequisites: Seniors must have successfully completed English I, II, and III. Juniors must have successfully completed English I and English II and be concurrently enrolled in English III. 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.

Prerequisites: Seniors – English III

Juniors – English II and concurrent enrollment in English III

Recommendations: An A or B in English or Honors English

Cross Curriculum: N/A

Title I English

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

Credits: Title English I: 1
Title English II: 1
Title English III: 1

Class 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.

Prerequisites: Placement is assigned based on national reading comprehension level norms.

Recommendations: None

Cross Curriculum:

Title English I:	Fine Arts
Title English II:	Fine Arts & Speech
Title English III:	American History & Business

MATHEMATICS

Algebra A

Duration: 1 year

Credits: 1

Class Description: This course will include the first half of Algebra I spread out through the entire year. This gives the students more time to master the concepts that are being taught at a quicker pace and in more depth than Algebra I. Course topics will include: The language of Algebra, Integers, Addition and Subtraction Equations, Multiplication and Division Equations, Proportional Reasoning and Probability, Functions and Graphs, Linear Equations, Powers and Roots. Applying these concepts to real world problems and situations will be necessary in this class.

Prerequisites: None

Recommendations: None

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

Algebra B

Duration: 1 year

Credits: 1

Class Description: This course is the second half of Algebra I spread out throughout the entire year. This will give the students more time to master the concepts that are being taught at a quicker pace and in more depth in Algebra I. Course topics will include: Review of Algebra A concepts, Powers and Roots, Polynomials, Factoring, Quadratic & Exponential Functions, Inequalities, Systems and Equations & Inequalities, Radical Expressions, and Rational Expressions & Equations. Applying these concepts to real world problems and situations will be necessary in this class.

Prerequisites: Pass Algebra A

Recommendations: None

Cross Curriculum: English, Science, Home Economics, Business, & Industrial Arts.

Algebra I

Duration: 1 year

Credits: 1

Class 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: signed numbers, evaluation of expressions, linear relationships and functions, exponential expressions and functions, quadratic functions, solving equations in one unknown, solving and graphing systems of equations and inequalities, factoring, operations with polynomials, and complex equations. Students will also solve a wide range of word problems involving ideas such as uniform motion, mixtures, percents, and number value.

Prerequisites: None

Recommendations: A or B in 8th grade math.

Cross Curriculum: Business, Industrial Arts, Science, English, & Home Economics.

Plane Geometry

Duration: 1 year

Credits: 1

Class 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.

Prerequisites: Pass either Algebra A-B or Algebra I.

Recommendations: None

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

Advanced Plane Geometry

Duration: 1 year

Credits: 1

Class Description: Advanced Plane Geometry is a course that applies algebra to relationships found in plane figures. The students study points, lines, planes, angles, and solids. Topics include transformations and symmetry, relationships between figures in terms of rigid motions and similarity transformations, measurements of plane figures and three dimensional shapes, geometric theorems, modeling with geometry, geometric construction, review of algebra topics, and probability.

Prerequisites: Pass Algebra I or pass both Algebra A & Algebra B

Recommendations: An “A” average in Algebra A-B or a “C” or better in Algebra I

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

Advanced Math Applications

Duration: 1 year

Credits: 1

Class Description: This course will expand topics covered in Algebra I. It is designed to give students 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 Principal, 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 setting.

Prerequisites: Pass either Algebra A-B series or Algebra I and pass Plane Geometry or Advanced Plane Geometry..

Recommendations: None

Algebra II

Duration: 1 year

Credits: 1

Class 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.

Prerequisites: Passed Advanced Plane Geometry and Algebra I; if doubling up as Sophomore (not recommended) then have passed Algebra I.

Recommendations: Passed Algebra I with a "C" or better,

Cross Curriculum: English, Business, and Science

Statistics

Duration: 1 semester

Credits: 1/2

Class Description: Statistics is taught as a college statistics course, but at a slower pace. Not all topics covered in a college statistics course can be completed. Students will learn methods of collecting data, analyzing data, and making logical decisions based on the data. Students will also learn concepts of probability. Students will see many of the concepts applied to real world situations. The student will need to read the textbook to have a complete understanding of the concepts. Good mathematical reasoning skills are also necessary. The Texas Instrument calculators and an expanded version of Excel are used extensively in this course. This course can give a student an excellent preparation for a college statistics course.

Prerequisites: Pass at least two years of math.

Recommendations: “B” or better in Algebra A-B, “C” or better in Algebra I.

Cross Curriculum: Science, History, Business, and English

Trigonometry

Duration: 1 semester

Credits: ½ (Dual credit agreement with Kaskaskia College for 3 credit hours, must meet test score requirement)

Class Description: Trigonometry requires a good foundation in algebra and geometry. Topics included in this course are the definitions and relationships of the six trigonometric functions in both degree, and radian measure, simplifying and solving trigonometric equations, solving triangles, and graphing the six functions. The Texas Instrument calculator is used in many of these applications.

Prerequisites: Pass Advanced Plane Geometry and Algebra II or currently enrolled in Advanced Algebra II

Recommendations: “B” or better in Algebra I, Algebra II and Advanced Plane Geometry.

Cross Curriculum: Industrial Arts, and English

Calculus

Duration: 1 year

Credits: 1 (Dual credit agreement with Kaskaskia College for 5 credit hours, must meet test score requirement)

Class 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 & 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.

Prerequisites: Passed or currently enrolled in Trigonometry

Recommendations: An "A" student in Advanced Plane Geometry or a High "B" student in Advanced Algebra II or Trigonometry.

Cross Curriculum: Science, English, and Business.

MUSIC

Band

Duration: 1 year

Credits: 1/2

Class 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.

Prerequisites: Grade School Band or instructor permission

Recommendations: None

Cross Curriculum: Math

Chorus

Duration: 1 semester or 1 year

Credits: ¼ credit per semester

Grade Levels: 9, 10, 11, 12

Class 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 Appreciation (MUSC 107)

Duration: 1 Semester

Credits for the Course: .5, Dual Credit with Kaskaskia College (3 credit hours)

Grade Level: 10, 11, 12

Class 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.

Prerequisites: None

Cross Curriculum: Band, Chorus, History, Geography, Fine Arts Music, Sociology

Music Fundamentals (MUSC 116)

Duration: 1 Semester

Credits for the Course: .5, Dual Credit with Kaskaskia College (3 credit hours)

Grade Level: 10, 11, 12

Class 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.

Prerequisites: None

Recommendations: Successful completion of the Fine Arts Music Component is highly recommended.

Cross Curriculum: Band, Chorus, Mathematics, Fine Arts Music

PHYSICAL EDUCATION

P.E.

Duration: 1 year

Credits: 1/4

Class 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.

Prerequisites: None

Recommendations: None

Cross Curriculum: Health

Conditioning P.E.

Duration: 1 year

Credits: 1/4

Class 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.

Prerequisites: None

Recommendations: None

Cross Curriculum: Health

SCIENCE

General Science

Duration: 1 year

Credits: 1

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

Prerequisites: None

Cross Curriculum: Math & English

Life Science

Duration: 1 year

Credits: 1

Course Description: Life Science is offered to sophomores that have successfully completed Physical 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.

Prerequisites: General Science

Cross Curriculum: Math & English

Biology I

Duration: 1 year

Credits: 1

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.

Prerequisites: None

Recommendations: See counselor

Cross Curriculum: Math & English

Chemistry I

Duration: 1 year

Credits: 1

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.

Prerequisite: Biology I

Cross Curriculum: Algebra I & Geometry

Biology II

Duration: 1 year

Credits: 1

Course Description: Biology II is a 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 develop 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.

Prerequisites: Biology I & Chemistry I

Cross Curriculum: Biology I, Algebra, & English

Chemistry II

Duration: 1 year

Credits: 1

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.

Prerequisites: Biology I & Chemistry I, in addition to having completed or be concurrently enrolled in Algebra II.

Recommendations: A or B in Chemistry I

Cross Curriculum: Health Occupations, Biology I & II, Algebra, Geometry, &

English

Anatomy & Physiology

Duration: 1 year

Credits: 1

Course Description: Anatomy & 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.

Prerequisites: Biology I & Chemistry I

Recommendations: Students interested in the Biological/Medical fields & A or B in Biology I

Cross Curriculum: Health Occupations, Biology I, & Biology II, & Biochemistry

Physics

Duration: 1 year

Credits: 1

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.

Science Prerequisites: Biology I, Chemistry I, & Chemistry II.

Other Prerequisites: Trigonometry & Algebra II, basic computer skills in word processing, spreadsheets, graphics, and Internet use.

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

Cross Curriculum: World History, English, Algebra II, & Calculus

Health

Duration: 1 semester

Credits: 1/2 credit

Class Description: A general overview of human health. Included with this course of study will be mental, physical, emotional, social, and environment health integration. Topics of exercise, nutrition, diet, human sexuality, chemical use, alcohol, and tobacco will be reviewed as well.

Prerequisites: None

Recommendations: None

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

SOCIAL SCIENCES

Geography

Duration: 1 year

Credits: 1

Class Description: Geography is a full-credit course covering United States and world geography. This course is designed to prepare students for any career field in the twenty-first century. The typical student will learn physical geography, economics related to geography, as well as places and locations to give the student a complete understanding of his or her changing world.

Prerequisites: None

Recommendations: None

Global Issues

Duration: 1 Semester

Credits: 1/2

Class Description: Global Issues is a study of broad forces that are impacting the world today. Students will read and analyze articles from professional, and recently published, magazines, newspapers, and journals. Political scientists, educators, and researchers on today's most important topics that are shaping the world we live in publish articles that are studied. Students will be required to understand present day key issues, and complete regular quizzes and test. Some examples of key issues presently covered include, but are not limited to, the impact of population on society, Globalization, International Conflict, Poverty, World Governments, AIDS, and Genocide.

Prerequisite: None

Recommendation: None

American History

Duration: 1 year

Credits: 1 (**Required for Graduation**)

Class 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.

Prerequisites: none

Recommendations: Sophomore or Junior

Civics

Duration: 1 semester

Credits: 1/2 (**Required for Graduation**)

Class 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.

Prerequisites: None

Recommendations: Junior or Senior

Honors American History

Duration: 1 year

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

Class Description: The AP 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. AP 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.

Prerequisites: 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.

Recommendations: College Bound Student

Psychology

Duration: 1 Semester

Credits: 1/2

Class Description: Psychology is a half-credit introductory course into the field of human behavior. Students wishing to enter fields of education or business find this course a must. Students will learn developmental psychology (infancy to adulthood) while addressing important topics such as classical and operant conditioning, psychological testing, and personality theory. The final eight weeks introduces the student to psychological disorders from schizophrenia to Charles Manson.

Prerequisites: Senior

Recommendations: None

Economics

Duration: 1 Semester

Credits: 1/2

Class 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.

Prerequisites: None

Recommendations: Juniors and Seniors

Modern World History – (1789-Present)

Duration: 1 Semester

Credits: ½

Class Description: Modern World History is a survey course, which will focus on world events beginning with World War I 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.

Prerequisite: None

Recommendations: Freshman – Senior

Modern U.S. History – (1945-Present)

Duration: 1 Semester

Credits: 1/2

Class 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.

Prerequisites: None

Recommendations: Freshman-Senior

Sociology

Duration: 1 Semester

Credits: 1/2

Class Description: Sociology is an introductory course into the study of human relationships. By examining society and social behavior, students will gain cultural awareness and a better self-understanding. Important themes of study will include: culture, social structure, and individuality. Through discussions students will better understand important issues such as race and gender. This course will also encourage students to explore concepts relative to today's rapidly changing society. Students will be expected to analyze how changes in the economy, politics, education, religion and science affect human behavior patterns.

Prerequisites: None

Recommendations: Freshman-Senior

VISUAL ARTS

Art I

Duration: 1 year

Credits: 1

Class Description: This is an introductory course that exposes students to many techniques and media associated with visual arts. 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.

Prerequisites: None

Recommendations: None

Cross Curriculum: History, Geometry, and Life Sciences.

State Goals: 1.1.A, 2.1.A, 3.1, 4.1, 5.1

Art II

Duration: 1 year

Credits: 1

Class 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.

Prerequisites: Art I with a grade of a "C" or better.

Recommendations: None

Cross Curriculum: History, Geometry, Life Sciences, English

State Goals: 1.1.A, 2.1.A, 3.1, 4.1, 5.1

Advanced Art & Advanced Art Projects

These are two separate classes

Duration: 1 year each

Credits: 1 each

Class Description: This course is designed for students who are individually motivated and possess a great desire to excel. Enhancement and exploration of basic techniques will be stressed throughout the course. The media and techniques of airbrush, advertising art, visual communication, and computer graphics will be introduced to the student. The fourth quarter will consist of independent contractual study. Upon completion of this course the student will be able to demonstrate creative problem solving techniques, demonstrate self-expression, develop an understanding of the historical and current significance of visual art, investigate the vocational and a vocational aspect of the discipline and develop an understanding of the importance of visual art in daily activities.

Prerequisites for Advanced Art: Art II with a grade of a “C” or better.

Prerequisites for Advanced Art Projects: Pass Advanced Art with a grade of a “C” or better.

Recommendations: None

Cross Curriculum: History, Geometry, Life Sciences, Computer Sciences, English.

State Goals: 1.1.A, 2.1.A, 3.1, 4.1, 5.1

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