

**BOND COUNTY COMMUNITY UNIT #2 HIGH SCHOOL
2013-2014 COURSE DESCRIPTIONS**

AGRICULTURAL OCCUPATIONS

(AG01) Introduction to the Agriculture Industry-(18001A001)

Course Length: 1 year

Course Credit: 2 credits

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

(AG03) Agriculture Science (18003A001)

Course Length: 1 year

Course Credit: 2 credits

Course Description: This orientation course builds on basic skills and knowledge gained in the Introduction to the Agricultural Industry course. Major units of instruction include agricultural research, soil science, advanced plant science, biotechnology, advanced animal science. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. Meets course requirements for science for graduation.

(AG04) Agribusiness Sales & Marketing (18202A001)

Course Length: 1 year

Course Credit: 2 credits

Course Description: This course is designed to develop student knowledge and skills in Agricultural Sales, Agribusiness Marketing, and Commodity Marketing. Instructional units include: agricultural economic principles, marketing and advertising, product development, sales techniques and strategies, communicating with employees and customers, managing risk, international agribusiness, and studying various agricultural companies and career opportunities. Computer software applications and the Internet will be integrated through data management, inventories, and accounting. Student skills will be enhanced in math, reading comprehension, communications, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

(AG06) Agriculture Business Management (18201A001)

Course Length: 1 year

Course Credit: 2 credits

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

(AG08) Basic Agricultural Mechanics (18401A001)

Course Length: 1 year

Course Credit: 2 credits

Course Description: In this course, theory and hands-on experiences provide opportunities for students to develop basic knowledge and skills in agricultural mechanics. Instructional areas include the basic fundamentals of welding, construction, cold metal work, and operating agricultural equipment safely. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

(AG09)

Biological Science Applications in Agriculture (Plant and Animal Science) (18051A002)

Course Length: 1 year

Course Credit: 2 credits

Prerequisite: Biology I or Adv. Biology I and Algebra I

Course Description: This is a course designed to reinforce and extend a student's understanding of science by associating scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of plant growth and management decisions. Students will examine major phases of animal agriculture and specific biological concepts that govern management decisions in the animal industry. Each semester topic will deepen the understanding of science as content and as a process through the use of numerous laboratory exercises and experiments. In this course students will apply knowledge of biology to management decisions and practices in agriculture. Counts as a science credit for graduation and a lab science for college.

(AG14)

Horticulture Production and Floral Design (18051A001)

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course focuses on the greenhouse management, floral design and related segments of the horticulture industry. Major units of study include floriculture plant identification, greenhouse structures, and the culture of greenhouse crops. Also included are care and handling of cut flowers, principles of art applied to floral design, and the mechanics of floral design. Agribusiness units will be introduced in merchandising, advertising, sales, and operating a retail floral business. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

(AG15)

Landscaping and Turf Management (18054A001)

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This advanced course focuses on the landscaping, nursery, and turf segments of the horticulture industry. Units of student instruction include: identifying landscape plants, designing landscape plans, hardscape construction techniques, and installing landscape plants. Also included are nursery production, turfgrass production, small engine repair, and maintenance of existing landscapes. Agribusiness units will cover calculating prices for work, managing a horticulture business, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

ART

(950) Introduction to Art (05154A000)

Course Length: 1 year

Course Credit: 2 credits

Course Description: This is an art fundamentals course, and must be taken before selecting advanced art classes. This course is primarily for students in the 9th grade, but may be taken at any grade level. Tenth grade students may have the option of Introduction to Art or an advanced class. However, Introduction to Art is highly recommended before taking an advanced class. The course utilizes a variety of materials and techniques, including both two and three-dimensional art experiences. Color theory and design principles and elements are emphasized throughout the various assignments. Major project units include basic drawing, painting, lettering, sculpture, ceramics, printing and art history.

(960) Drawing/Painting I (05155A000)

Prerequisite: Introduction to Art

Course Length: 1 semester

Course Credit: 1 credit

Course Description: Drawing experiences include still-life compositions, contour and gesture drawing, one and two point perspective, and landscape and/or architectural drawing. Drawing media will include inks, pencil, colored pencil, conte, chalk, washes, and mixed media. Painting experiences will use such media as watercolors, tempera and acrylics as students explore basic painting techniques and fundamentals.

(961) Drawing/Painting II (05155A000)

Prerequisite: Drawing/Painting I

Course Length: 1 semester

Course Credit: 1 credit

Course Description: Students taking this course will work on more advanced drawing and painting aspects, such as color theory, advanced composition studies, figure studies, as well as be encouraged to develop their own personal drawing and painting styles.

(962) Drawing/Painting III/IV (05155A000)

Prerequisite: Drawing/Painting I and II

Course Length: 1 semester

Course Credit: 1 credit

Course Description: Students in this course will be able to work in depth on drawing and painting projects that both the students and instructor agree upon.

(965) Ceramics I (05159A000)

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course provides basic experience in both hand-building and wheel throwing. Students interested in hand-building will be working with two basic methods of slab and coil construction. Various problems and projects will be assigned by the instructor. Students will also be expected to be proficient in the basic ceramic vocabulary by the end of the course. Freshmen may not take this course.

(966) Ceramics II (05159A000)

Prerequisite: Ceramics I

Course Length: 1 semester

Course Credit: 1 credit

Course Description: Students at this level will be expected to expand upon the basic ceramic vocabulary learned at level I, and to familiarize themselves with pottery of other cultures. They will also be familiar with contemporary ceramic trends and artists. Students doing wheel work will spend time working toward continued refinement in pottery shapes, and will learn to make lids, spouts, and handles.

(967) Ceramics III (05159A000)

Prerequisite: Ceramics II

Course Length: 1 semester

Course Credit: 1 credit

Course Description: Students taking the course at this level may concentrate on their particular ceramic strengths, and will be expected to produce a prescribed number of projects for the semester in accordance with their skills as determined by the instructor.

(975) Crafts I 3-D Multicultural Design (05165A000)

Prerequisite: Introduction to Art

Course Length: 1 semester

Course Credit: 1 credit

Course Description: Design elements and principles, as well as craftsmanship will be emphasized in the project units of this course. Though students will be working in project units, a great variety of techniques can be employed to achieve the final product. Students will be working with wood, paper, papier mache, fabric, etc. Multicultural art units will be part of this course.

(976) Crafts II 3-D Multicultural Design (05165A000)

Prerequisite: Crafts I

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course involves the enhancement of skills in Crafts I. Students may choose from a variety of teacher recommended projects.

977) Crafts III 3-D (05165A000)

Prerequisite: Crafts II

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course involves the enhancement of skills in Crafts I and II. Students may choose from a variety of teacher recommended projects.

(978) Crafts IV Multicultural Design (05165A000)

Prerequisite: Crafts III

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course involves the enhancement of skills in Crafts I, II and III. Students may choose from a variety of teacher recommended projects.

(985) Design/Graphics I (05162A000)

Prerequisite: Introduction to Art

Course Length: 1 semester

Course Credit: 1 credit

Course Description: Several specific design projects will be required by the instructor; however, students will also be able to select additional projects from various units as time permits.

Commercial Design: This is an extensive area, which includes such design projects as logos, graphic posters, illustration work, record or book jackets, musical or theater programs, etc.

Fabric and Paper Design: design paper products, such as plates, wrapping paper, cards, and designing fabrics, etc.

Three-Dimensional Design: using paper, cardboard, wood, etc.

Costume or Fashion Design: Interior/Industrial Design

(986) Design/Graphics II (05162A000)

Prerequisite: Design/Graphics I

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course is a continuation of Design/Graphics I. In the design phase students taking this course a second time may pick up design units they were unable to find time for in the basic course.

(987) Design/Graphics III (05162A000)

Prerequisite: Design/Graphics II

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course is a continuation of Design/Graphics II. In the design phase students taking this course a second time may pick up design units they were unable to find time for in the basic course.

(990) Photography (05167A000)

Prerequisite: None

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course will cover both photography techniques as well as technical aspects/camera settings. Students will create a variety of projects using computers, digital image software, as well as cutting and arranging prints. Topics/projects include: portraiture, silhouettes, action/high speed photography, landscapes, panoramas, optical illusions, photo journalism, etc.

BUSINESS DEPARTMENT

(BE01) Business Concepts (12001A001)

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course helps to unlock the mysteries of what businesses are, how they work, and what impact they have on a student's everyday life. Topics concerning consumer rights and responsibilities, investing, banking services, credit, budgeting, insurance, and personal taxes will be covered. Students also explore steps they can take to prepare for future careers that interest them. **This course meets the graduation requirement of Consumer Economics.**

(BE02) Keyboarding (12005A001)

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course will introduce students to the world of computer technology. Major emphasis is placed on keyboarding techniques, proofreading, correcting errors, and formatting memos, letters, and reports. Production of materials that meet business standards is stressed.

(BE03) Computer Concepts (10004A001)

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course will introduce students to the world of careers using computer technology. It will have units on careers, computer concepts, and computer projects, which include Microsoft Office, voice input, graphic tablets, Adobe Visual Communicator and HyperStudeo. An important component of this course involves developing an individualized four-year education and career plan using Career Crusing software along with materials and resources from the guidance department. The students will conduct a career search and identify career pathways. It will include sections on self-awareness, career and college research, workplace expectations, and job awareness. By offering this course in the first and second year, students will establish goals that will be used to determine their course selection for the remainder of their high school career.

(BE05) Information Processing/Software Suites (10005A001)

Course Length: 1 year

Course Credit: 2 credits

Prerequisite: Keyboarding

Course Description: Instruction in this course focuses specifically on the use of Office 2007. Software included in this package is Word, Excel, Access, Outlook, Publisher, and PowerPoint. This is a skill-level course designed to allow students to become proficient with all aspects of the computer application software. MOS (Microsoft Office User Specialist) certification requirements will be covered. College-bound students will find this course useful for personal use and for use in their academic pursuits. Vocational students planning to enter the work force should enroll in this course. Internet applications will be incorporated into this course. Numerous field trips and guest speakers are included in this course.

(BE06) Sports and Entertainment Marketing (12163A000)

Course Length: 1 semester

Course Credit: 1 credit

Prerequisite: Junior/Senior Status

Course Description: This is an introductory course for students who are interested in developing an understanding of the marketing concepts and theories that apply to sports and entertainment events. The areas this course will cover include basic marketing, distribution, pricing, promotion, selling and service management, target marketing and segmentation, sponsorships, event marketing, promotions, sponsorship proposals, fundraising, and marketing plans. This course provides practical, usable knowledge from which the students can benefit if they choose to move into the business world.

(BE07) Resource/Business Management (22210A001)

Course Length: 1 semester

Course Credit: 1 credit

Prerequisite: Junior/Senior Status

Course Description: This course is designed to help students make important financial and economic decisions with assurance and competence. The class is structured based on knowledge and skills needed for work life and family life. The course includes the major concepts of individual and family resources including topics of food, clothing, shelter, health care, insurance, housing, recreation, transportation and job skills including resume writing. Students will learn to analyze policies that support consumer rights and responsibilities and analyze interrelationships between the economic system and consumer actions. After completing this course students will demonstrate management of financial resources to meet the goals of individuals and families across the life span. **This course meets the graduation requirement of Consumer Economics.**

(BE12) Accounting(12104A001)

Course Length: 1 year

Course Credit: 2 credits

Course Description: Accounting is a skill-level course that is of value to all students pursuing any business-related area. Computer applications will be integrated throughout the course. It is an essential course for the college-bound students who plan to pursue business degrees. Office workers, small business owners, as well as college business majors, need to understand and communicate in that language.

(BE15) Electronic Desktop Publishing I (10201A001)

Course Length: 1 semesters

Course Credit: 1 credit

Prerequisite: Software Suites

Course Description: Instruction on web page editing/publishing software will be included in this course. Students will be using Adobe Dreamweaver CS3 software. Other units instructed in this course will include CS3, Audacity, Podcasting, Photo Story, HTML and JavaScript programming. Students will be in charge of the web sites for all schools.

(BE16) Electronic Desktop Publishing II (10201A002)

Course Length: 1 semester

Course Credit: 1 credit

Prerequisite: Software Suites and Electronic Desktop Publishing I

Course Description: This course will utilize the Microsoft Expression Web Designer to teach students how to create web pages and web sites. The students will learn the basics of the Expression Web Designer interface. Students will also learn to create useful website navigation using links, create tables, insert graphics and images, create forms to capture data, use Cascade Style Sheets to format pages consistently, and also learn to publish websites to web servers. Students will be in charge of the web sites for all schools.

CONSUMER AND FAMILY SCIENCES**(HE01) Introduction to Home Economics/Clothing (22201A001)**

Prerequisite: Freshman/Sophomore only

Course Length: 1 year

Course Credit: 2 credits

Course Description: This course is designed to present basic subject matter in six areas: clothing and textiles; foods and nutrition; housing, furnishings and equipment; child development and care; interpersonal and family relationships; and introduction to the world of work.

Learning experiences assist students in understanding themselves, their roles in today's society and the nature of homemaking and other home economics related careers. If a student has completed Foods I, Foods II or Child Development they cannot enroll in Orientation to Home Economics.

(HE02) Child Development (19052A001)

Prerequisite: grade 10, 11, 12

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course helps students gain knowledge and understanding of the intellectual, physical, social and emotional development of children from conception through adolescence. The course content will center around the following duty areas: managing and organizing child development by applying safety standards for children; providing experiences which encourage children to maximize resources; encouraging human relations skills in children; and evaluating family and career changes in relation to impact on children. Information related to careers in childcare is incorporated throughout the course.

(HE04) Food and Nutrition I (16054A001)

Prerequisite: grade 10, 11, 12

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applied nutrition for all ages. The course content centers around the following duty areas: promoting food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health and safety needs in planning, preparing and serving food; maximizing resources when planning/ preparing/ serving food; promoting hospitality in food practices; and analyzing individual and family nutritional needs in relation to change. Information related to careers in food and nutrition is incorporated throughout the course.

(HE05) Food and Nutrition II (16054A002)

Prerequisite: grade 10, 11, 12

Course Length: 1 semester

Course Credit: 1 credit

Course Description: In this second orientation level foods course, more attention is paid to food selection and preparation for special circumstances and dietary needs. Laboratory sessions are devoted to preparation of foods with specific emphasis: careers in foods and nutrition, influences on food customs, diet and health, current nutritional issues, planning for special food needs, food purchasing, prevention of food-borne illness, conservation of proving food, and cake decorating. The application of the above-mentioned areas of emphasis to food service occupations is stressed. The course provides an introduction to commercial food service preparation and management.

(HE06) Living Environments (22211A001)

Prerequisite: grade 10, 11, 12

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course is designed to provide students with the basic knowledge and skills needed to select, acquire, maintain and manage living environments that meet the needs of the occupants. The selection and care of housing and furnishings are related to factors such as social-economics conditions, individual tastes, psychological effects, aesthetic values, safety, sanitation and energy conservation. The course content includes the following duty areas: locating and managing housing using goal-setting and decision-making skills; evaluating living space to meet basic needs; creating and maintaining living environment; ensuring health and safety; selecting appropriate resources in creating living environments; determining the impact of the individual and/or group on living environments; applying housing and home management choices relating to changing family/individual and career patterns. Emphasis will be placed in the application of basic management principles as they relate to the environment.

(HEO8) Parenting (22204A001)

Prerequisite: grade 10, 11, 12

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course is designed to help students think through the responsibilities, satisfactions, and stresses of parenthood. Many types of parenting situations are examined. Areas covered include: information on stress prevention and management and the work of community agencies that can help parents deal with various types of parenting by applying decision-making and goal-setting skills; applying the basic principles of parenting; providing experiences which encourage parents and children to maximize resources; encouraging human relations skills in children/adolescents; and evaluating impact on parenting of family and career changes. Special attention is given to the needs of teenage parents and the importance of readiness of parenthood.

(HEO9) Adult Living (22207A001)

Course Length: 1 semester

Course Credit: 1 credit

Prerequisite: Junior/Senior status

Course Description: This course focuses on the roles, responsibilities and functions of young adulthood. Students will learn decision-making, management, problem-solving, communication and coping skills. Emphasis is placed on the individuals and families, the development and socialization of individual and meeting the needs of individuals and family members.

Family financial planning is addressed in the course. Students will study economic systems, use of credit, budgets, savings, investing and banking. They will prepare a project to demonstrate their ability to purchase an automobile and insurance. Investigate career choices, health insurance and plan clothing and food purchases.

DRIVER EDUCATION

(900) Driver Education (08152A000) Driving (08151A000) Classroom

Course Length: 1 semester

Credit: 1 credit

Course Description: The purpose of driver education is to teach students to operate a vehicle safely and economically upon our highways. Students must have at least 30 “clock hours” of classroom instruction and 6 “clock hours” of “behind the wheel” instruction.

Upon completion of the classroom phase, students will be offered the opportunity to take “behind the wheel” instruction with oldest students given first opportunity. There will be a fee for students taking “behind the wheel” instruction.

Classroom instruction will be offered to all students who have passed at least eight (8) course credits in the previous two semesters with four 4 course credits earned at the high school

ENGLISH

(111) Regular English IA - Grammar I/Short Story (01001A000)

Prerequisite: Recommendation from the Junior High School.

Course Length: 1 semester

Course Credit: 1 credit

Course Description: Grammar I provides a thorough review of the essentials of grammar and word usage, including definition of and recognition of the parts of speech, sentence patterns, and compounding of the skeletal elements of sentences. The nine-week study of the short story will acquaint the student with the purpose and recognition of the elements of fiction used to create a short story - plot, character, theme, setting, point of view, symbol, and irony, among others. The student will read well-known British and American stories that are examples of the prominence of these elements. Several short papers as well as a mini research paper will be written during the semester.

(112) Regular English I B- Drama/Novel (01001A000)

Prerequisite: Recommendation from the Junior High School.

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course will acquaint the freshman student with two other genres of literature -- the play and the novel. Topics will include the elements of drama, the history of the theater, and dramatic techniques. The Shakespearean play, *Romeo and Juliet*, will be read, as will others of various lengths, if time permits. Novel study will teach students to organize thoughts in reading book-length fiction and to develop standards in the selection of reading material. One novel will be studied as a class, and, as time permits, remaining novels will be selected by the student from a given reading list. Theme writing, essay tests, and objective tests will be an essential part of the course.

(120) Advanced English II (01002A000)

Prerequisite: The student must have attained an A or B grade at the Freshman level and/or received the recommendation of the English I teacher.

Course Length: 1 year

Course Credit: 2 credits

Description: This course will allow the student to gain continued practice and mastery of the material taught in English I and will introduce higher-level language skills and concepts. The study of grammar will concentrate on the proper usage of punctuation, parts of speech, verbals, compound and complex sentences. Composition exercises will include the development of vocabulary skills, structuring of paragraphs, personal narrative, expository writings, and short reports. This work will be pursued at an accelerated rate. The literature aspect will proceed beyond the mere understanding of literary work to the interpretation of the psychological, sociological, and ethical content of human experience. Also, students will be expected to relate the literary work to their own life and to extend its meaning to the world in which they live. Literary types studied will include drama, poetry, mythology, and a variety of contemporary literature.

(121) Regular English IIA - Grammar II/Drama/Poetry (01002A000)

Prerequisite: Regular English I

Course Length: 1 semester

Course Credit: 1 credit

Course Description: Grammar II emphasizes the writing of the elements recognized in Grammar I. Students will work towards using compound sentences, complex sentences, and verbals in their writing and speaking. The drama unit will contain *Antigone* and *Julius Caesar*. A persuasive mini research paper will follow the readings. A unit of poetry will be included to help students understand, appreciate, and evaluate poetry as a literary medium. Several short writings will be assigned. Outside readings of one or more books will be required.

(122) Regular English IIB - Literature/Mythology (01002A000)

Prerequisite: Regular English I

Course Length: 1 semester

Course Credit: 1 credit

Course Description: Students will learn names, functions, and symbols for Greek, Roman, and Norse gods and goddesses in mythology. This will help students relate to many allusions used in the English language today. The grammar in this unit will consist of vocabulary, synonyms, antonyms, analogies, Latin/Greek roots, and prefixes/suffixes. At least two novels will be read in class. Outside reading and book reports will be encouraged.

(130) Advanced English III (01054A000)

Prerequisite: The student must have attained A or B at the first two levels of high school English, scored 20 or above on the Plan test or has received the recommendation of the English II teacher.

Course Length: 1 year

Course Credit: 2 credits

Course Description: This course provides a chronological study of American literature. Two classical American novels will be read in addition to short stories, novels, and dramas in the text. Students in this section will write on a daily basis. Writing assignments will include journals, in-class critical thinking writings, creative writing assignments, a research paper, and a persuasive paper.

(131) English III - American Literature and Composition (01054A000)

Prerequisite: Regular English II

Course Length: 1 year

Course Credit: 2 credits

Course Description: This course provides a chronological study of American literature. Two or more novels will be read in addition to short stories, novels, and plays in the text. A major emphasis will be placed on both formal and informal writing, including a research paper. Grammar units will be interwoven.

(140) AP English IV (01056A000)

Prerequisite: A or B grades in the first three years of English or teacher recommendation.

Course Length: 1 year
Course Credit: 2 credits

Course Description: The purpose of this course is to give college-bound students a final, intensified practice in theme-writing and literature analysis. This course combines a chronological study of British history and literature with a graduated program of grammar, vocabulary, and writing. Additional novels are also included. Composition will include themes organized around major rhetorical modes (narrative, persuasive, comparison-contrast, etc.) Essay tests, and a research paper are also included. Students will be given the opportunity to take the College Board Advanced Placement test for possible college credit. The test is fee based.

(141) English IV (01056A000)

Prerequisite: English III

Course Length: 1 year
Course Credit: 2 credits

Course Description: This course combines a chronological study of British history and literature with a graduated program of grammar, vocabulary, and writing. Compositions, essay tests, a research paper, and two independent novels are also included.

(142) Speech 01151A000

Prerequisite: Seniors only

Course Length: 1 semester
Course Credit: 1 credit

Course Description: This course is designed to prepare students to meet public speaking situations. Students will learn the steps toward speech preparation and presentation, and be given the opportunity to present speeches in the classroom. It is intended not just for those who have the ability to speak, but also for those who would like to acquire the ability.

(146) English Composition (01102A000)

Prerequisite: Senior status and successful completion of three years of English.

Course Length: 1 semester
Course Credit: 1 credit

Course Description: Students review the writing of paragraphs and proceed to the writing of various types of full-length themes. Such areas as pre-planning, sentence combining, choosing the correct word, using transitions, and revising are part of the course, as well. A major thrust is learning and applying the steps of writing a research/term paper.

(119, 129, 139, 149) Journalism I, II, III, IV (Yearbook)

Prerequisite: Experience in photography would be helpful. Grade of A, B, or C in the Regular or Advanced English sequence.

Course Length: 1 year
Course Credit: 2 credits

Course Description: The purpose of this class is to produce the Graduate, the school yearbook. This course will teach creative journalistic writing, layout design, picture taking and printing. Students will be required to promote yearbook sales. As the student moves from Journalism I through IV, his responsibility for page completion will increase. This course does not substitute for regular English course requirements.

FOREIGN LANGUAGE

(370) Spanish I (06101A000)

Prerequisite: Students are recommended to have a good background in English.

Course Length: 1 year
Credit: 2 credits

Course Description: This course is designed to acquaint students with Spanish-speaking peoples and customs, as well as to build a basic vocabulary and elementary grammatical patterns.

(380) Spanish II (06102A000)

Prerequisite: Spanish I

Course Length: 1 year
Credit: 2 credits

Course Description: This course develops more intensely into Spanish grammar patterns and vocabulary enlargement. Students are encouraged to develop and demonstrate their knowledge and mastery of Spanish through listening, speaking, reading and writing.

(390) Spanish III (06103A000)

Prerequisite: Spanish II

Course Length: 1 year

Credit: 2 credits

Course Description: This course develops vocabulary and grammar more fully and students utilize both by writing several themes. Individualized work is made available to the students and Spanish III students are offered the opportunity to examine Spanish literature by reading several famous stories by Spanish writers.

(395) Spanish IV (06104A000)

Prerequisite: Spanish III with a grade no lower than a C

Course Length: 1 year

Credit: 2 credits

Course Description: This course will focus on advanced speaking, reading, and writing skills. Students will use advanced vocabulary in conversational Spanish as well as read and write without the use of a dictionary.

HEALTH (08051A000)

(010) Health Education

Prerequisite: None

Course Length: 1 semester

Credit: 1 credit

Course Description: The increase in knowledge and concern in health science has made Health Education an important part of high school curriculum. Health Education deals with the understanding and development toward health concepts in young people concerning human growth and development, mental health and illness, alcohol, drug abuse, tobacco, and nutrition.

INDUSTRIAL ARTS

(IE01) Production Technology (Metal I – Wood I) (13052A001)

Course Length: 1 semester

Credit: 1 credit

Course Description: This course is designed to foster an awareness and an understanding of manufacturing and construction technology. Through a variety of learning activities, students are exposed to many career opportunities in the production field. Experiences in manufacturing include product design, materials and processes, tools and equipment (including computers), safety procedures, corporate structure, management, research and development, production planning, mass production, marketing and servicing. In construction, students will be exposed to site preparation, foundations, building structures, installation of utilities, and the finishing and servicing of structures.

(IE02) Transportation Technology (Industrial Orientation) (20001A001)

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course is designed to foster an awareness and understanding of the various transportation customs that make up our mobile society. Through laboratory activities the student will be exposed to the technologies of and career opportunities involved in material handling, atmospheric and space transportation, marine transportation, terrestrial transportation, and computer uses in transportation technology.

(IE04) Energy Utilization Technology (Industrial Orientation) (20101A001)

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course is designed to foster an awareness and understanding of how we use energy in our industrial technological society. Areas of study will include conversion of energy; electrical fundamentals; solar energy resources; alternate energy resources such as wind, water, and geothermal; fossil fuels; nuclear power; energy conservation and computer uses in energy technology. Students will use laboratory experiences to become familiar with current energy technologies

(IE05) Intro. to Technology and Engineering(Industrial). (21052A002)

Course Length: 1 year

Course Credit: 2 credits

Course Description: This full year course is designed to inform students about today's industrial world. It

is designed to expose students to a variety of occupations and provide minimum basic skills development that will enable students to make meaningful decisions about which industrial occupation area to pursue. Through a variety of problem solving activities, students will be exposed to career opportunities in the four systems, transportation, energy utilization, communications, and production.

(IE19) Building Maintenance I (17009A001)

Course Length: 1 year

Course Credit: 2 credits

Prerequisite: Production Technology

Primary Grade Level: 11-12

Course Description: This full year course is broken down into three different areas. The first quarter deals with the occupations, principles, and basic skills in electricity. Areas of study include: science of electricity; sources of electricity; and basic house wiring (terms, conductors, tools, equipment, safety, wiring systems/procedures). The second quarter is an advanced course in cabinet making and mill work. It will include: review of safety and construction procedures; advanced cutting and shaping; advanced machine and tool procedures; wood joints, assembly, fasteners, and finishes. A project of substantial design is required. The last semester will focus on Construction Technology. It is an introductory course that deals with various aspects of the construction trade. Topics covered will include: occupations and training required for employment; architectural drawings (types and comprehension); specifications and contracts; management, material resources, and applications; tools and their safe use; light construction systems; heavy construction systems; and non-structural systems (electrical, plumbing, climate control, interior finishing, and landscaping).

MATHEMATICS

(433) Algebra I A (02053A000)

Prerequisite: None

Course Length: 1 year

Course Credits: 2 credits

Course Description: Algebra I A will take the 1st. semester of regular Algebra I work and extend the course study for one year.

(4331) Algebra I B (02054A000)

Prerequisite: Algebra I A or the completion of semester 1 of Algebra I

Course Length: 1 year

Course Credits: 2 credits

Course Description: Algebra I B will take the 2nd semester of regular Algebra I work and extend the course study for one year.

(434) Algebra I (02052A000)

Prerequisite: Pre-Algebra or Saxon Algebra $\frac{1}{2}$ with teacher recommendation

Course Length: 1 year

Course Credit: 2 credits

Course Description: This course is designed for students who have completed Pre-Algebra or have excelled in Saxon Algebra $\frac{1}{2}$. Students will review variables, exponents, order of operations, equations, and inequalities, tables and graphs. Basic number properties needed for solving equations and inequalities will be introduced. Linear equations and inequalities will be written, solved and graphed. Students will be introduced to exponential, quadratic and polynomial functions. Rational equations and functions as well as radicals and their connections to geometry will be introduced. Students will also learn to solve systems of equations. The lessons in the course are correlated to the Illinois Learning Standards.

(439) Applied Geometry (02071A000)

Prerequisite: Algebra 1 (with teacher recommendation), Algebra 1B

Course Length: 1 year

Course Credit: 2 credits

Course Description: Applied Geometry is a class that covers geometry concepts for the student who is not planning to attend a traditional four-year college. The class begins by going over basic concepts of geometry including points, lines, planes, segments, and angles. Then the class covers parallel and perpendicular lines, triangles, congruency properties of triangles, quadrilaterals, similarity, polygons, surface area and volume of three-dimensional figures, an introduction to right triangles and trigonometry, and circles. A review of concepts from Algebra 1 will be included. Some elements of proof may be included in the class.

(440) Geometry (02072A000)

Prerequisite: Algebra I

Course Length: 1 year

Course Credit: 2 credits

Course Description: This course is designed for the mathematics student who has completed the Algebra I mathematics course. This is a course of study using deductive and inductive reasoning. Students will learn the relationships and properties of geometric figures such as triangles, quadrilaterals, polygons, circles and planes. Students will also learn proofs and constructions of these geometric figures. 3-D figures will also be studied. Geometry will provide a sound base for those students continuing to Algebra II and eventually to the college level.

(456) Algebra II (02056A000)

Prerequisite: Geometry

Course Length: 1 year

Course Credit: 2 credits

Course Description: This course is specifically designed for the student who has successfully completed geometry. Key aspects of Algebra II are working with various kinds of equations, graphing different types of functions, matrices, systems of equations, and applying this knowledge to real-life situations. Topics to be covered in this course include equations and functions of polynomials (linear, quadratic, cubic, quartic), radicals, exponentials, logarithms, trigonometry, and rational functions. Algebra II helps the student better understand how mathematics relates to our world.

(457) Statistics (02201A000)

Prerequisite: Geometry

Course Length: 1 semester

Course Credit: 1 credit

Course Description: Statistics is designed to provide students the tools necessary to be able to work with real data and make decisions using statistical analysis. A series of guided discussions mixed with practice allows the student to grasp the overall concept of statistical analysis. Use of technology, including both the graphing calculator and the computer, will be integrated throughout the lessons. Topics to be covered will include distributions, quantitative variables, surveys and experiments, sampling, probability, inference for proportions and means, chi-squared tests and regressions.

(458) Trigonometry (02103A000)

Prerequisite: Algebra II

Course Length: 1 semester

Course Credit: 1 credit

Course Description: Trigonometry is a college-prep class designed to better prepare a student for entry into college level classes. Students must have successfully completed Algebra II. Topics to be considered will include radian and degree measures, the six trigonometric functions, graphing trigonometric functions, solving trigonometric equations, law of sines, law of cosines, vectors, complex numbers, exponential functions, logarithmic functions and their graphs, conics polar coordinates and analytic geometry.

(463) Pre-calculus/Discrete Mathematics (02110A000)

Prerequisite: Algebra II

Course Length: 1 year

Course Credit: 2 credits

Course Description: This course is designed for students who have completed Algebra II. The first semester is designed to prepare the student to take college calculus by focusing on pre-calculus topics which include analytic geometry, the study of polynomial, rational, radical, logarithmic and exponential functions, and matrices. A unit approach will be utilized to study the following topics during the second semester: right and oblique triangles and their applications to the real world; graphing and solving problems involving sinusoids; conic sections; recursively defined functions; arithmetic and geometric sequences and series; combinatorics problems involving permutations, combinations, k-samples and k-selections; elementary probability theory with emphasis on experimental probability to develop theoretical probability.

(480) AP Calculus (Advanced Placement Calculus AB) (02124A000)

Prerequisite: Pre-calculus/Discrete Mathematics

Course Length: 1 year

Course Credit: 2 credits

Course Description: This course is designed specifically for the mathematics student who has completed the Precalculus/Discrete Mathematics course. The course will cover a full year and will be taught from a college calculus textbook. The course will cover essentially the same material as an initial, one-semester college calculus course. Topics that will be covered include limits, derivatives and integrals of polynomial, rational, exponential, logarithmic, trigonometric and inverse trigonometric functions, and applications of derivatives and integrals of these

families of functions. At the end of the second semester, students will be prepared to take the advanced placement calculus test that may entitle them to receive some college credit in calculus.

MUSIC

(910) Band (05101A000)

Course Length: 1 year

Course Credit: 2 credits

Course Description: Band is for students in Grades 9-12 who have played a band instrument (special permission must be received from instructor for those with no previous band experience). Students have the opportunity to improve personal playing skills and to continue developing the skill of ensemble playing. The band offers a variety of public performance opportunities for students throughout the year, with marching band in the fall and pep band during the winter. Students also participate in IHSA Solo/Ensemble Contest 3rd quarter, and IHSA Organizational Contest 4th quarter. Concerts are given in December and late spring.

(920) Chorus (05110A000)

Course Length: 1 year

Course Credit: 2 credits

Course Description: Chorus is to give the students a chance to use their voices to the best of their abilities and to provide a means for understanding and development of music appreciation through actual participation in a choral group according to interest and ability.

(937) Music Fundamentals (05113A000)

Prerequisite: Junior or Senior Status

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course contains beginning information and study about the fundamentals of music notation, scales, keys, modes, rhythm, melody, transposition, chord progression and harmonization. This is a prerequisite course for music theory at the college level. Grades are given through daily grades, tests, performances, quizzes and attendance.

(938) Music Appreciation (05118A000)

Prerequisite: Junior or Senior Status

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course contains information and music from native American, early folk music, secular and religious. The rise of pop culture in the 1900's with country, rock, jazz, music theater, film, musical, opera and 20th century avant-garde. Grades are given through tests, listening, writing assignments, chapter quizzes, and attendance.

PHYSICAL EDUCATION

(001) Boys Physical Education (08001A000)

(005) Girls Physical Education (08001A000)

Prerequisite: None

Course Length: 1 year

Course Credit: 2 credits

Course Description: Physical Education is designed to help the student develop physical fitness and to provide skills for the wholesome use of leisure time. Recreational activities, rules, and playing techniques of individual and team sports are emphasized. Activities may include but are not limited to the following: archery, badminton, floor hockey, volleyball, flag football, volley tennis, softball, track and field events, gymnastics, pickle ball, aerobics, walking, kitten ball, golf and other lifetime games. Many of these activities are co-educational.

(004) Fitness and Wellness (08005A000)

Prerequisite: 11th and 12th grade students

Course Length: 1 year

Course Credit: 2 credits

Course Description: This course is designed to teach and engage students in basic fitness activities as a means to achieve overall body fitness. Accomplishment of this goal will be done by learning how to set up and use the free-weights and machines, using the cardio-machines, participating in fitness assessment tests, and participating in the different types of fitness activities throughout the course.

SOCIAL STUDIES

(221) Geography (04001A000)

Prerequisite: Freshman status

Course Length: 1 year

Course Credit: 2 credits

Course Description: This freshman level course will allow students the opportunity to become more globally aware of the world in which they live. This will be done by gathering information about the history, culture, and economies of a region and its physical features. Students will also study information on global issues that ultimately affect them. A special emphasis will be placed upon the United States.

(230) World History (04051A000)

Prerequisite: Sophomore or Senior status

Course Length: 1 year or 1 semester

Course Credit: 2 or may be taken for one semester for 1 credit

Course Description: World History is a study of the development of man from the beginning of civilization to the present time. Special emphasis is placed on early civilizations and their contributions to all European cultures.

(240) American History (Required for Graduation) (04103A000)

Prerequisite: Junior status

Course Length: 1 year

Course Credit: 2 credits

Course Description: American History is a state mandated course requiring a specific level of individual competency. The first few weeks will be a review of America history from early exploration through the Civil War. The remainder of the course will be an in-depth study of American history from the election of 1876 to the present. Students will research, analyze and write about the events and accounts of those eras, relating them to today.

(241) American History—AP (04104A000)

Prerequisite: Junior status

Course Length: 1 year

Course Credit: 2 credits

Course Description: The Advanced Placement course is designed for the A/B student who wishes the challenge of a college-level course in American History. It is comprised of an in depth study of U.S. History from colonization through current times and culminates with the advanced placement test in May.

(2501) (2502) World Problems (04064A000)

Prerequisite: Senior status

Course Length: 1 year or 1 semester

Course Credit: 2 or may be taken for one semester for 1 credit

Course Description: World problems deals with current and vital problems that the students of today will have to deal with as citizens of tomorrow. Discussion and activities enhance objective thinking and problem solving on the part of the student.

(255) American Government (Required for Graduation) (04151A000)

Prerequisite: Senior status

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course is a study and comparison of the federal, state and local governments. A comparative analysis of governmental systems is emphasized. International relations including conflicts, negotiations, and agreements will be reviewed using recent events as examples. Students will be allowed to demonstrate knowledge of the U.S. and Illinois constitutions, the Declaration of Independence, and the Flag Code.

(260) Business & Family Law (04164A000)

Course Length: 1 semester

Course Credit: 1 credit

Prerequisite: Junior/Senior Status

Course Description: This course exposes students to legal terminology, concepts, and practices of business law. Also included is family law, which deals with such issues as marriage, relationships between husband and wife, parents and children, and the changing American family. Case studies are used for discussions.

(265) Social Studies IV (04254A000)

Prerequisite: Senior status

Course Length: 1 semester

Course Credit: 1 credit

Course Description: This course is designed to allow the students to understand the causes of individual and group behavior. Fundamental to the study is the assumption that behavior affects our culture, social organizations, social

responsibility, and social changes. A considerable amount of time will be spent in finding out about correct studies in the behavioral sciences.

SCIENCE

(500B) Science I (03201A000)

Status Prerequisite: Freshman or Sophomore

Course Length: 1 year

Course Credit: 2 credits

Course Description: Science I is an introductory science course designed to provide students with a general background in science. The course will emphasize the importance of science in everyday activities. The major focus of the curriculum will be physical science, but other broad topics of science will be considered. Demonstrations, lab activities and projects will be used to increase understanding of scientific principles and motivate student interest in science. Science I is considered to be a lab class for college entrance.

(506) Freshman Biology (03052A000)

Prerequisites: Freshman status. Must have maintained a B+ average in 7th and 8th grade science and completed Algebra I with at least a B average and be concurrently enrolled in Geometry.

Course Length: 1 year

Course Credit: 2 credits

Course Description: Freshman Biology is a course designed for students who have a strong interest in science, have demonstrated a high level of achievement in science, and who intend to pursue a rigorous course of study in science. These students should plan to enroll in courses such as chemistry, physics, and advanced placement biology. Freshman biology follows a similar format to Biology I, but with more self-directed study and more emphasis on critical thinking/problem solving skills.

(510) Biology I (03051A000)

Prerequisite: Sophomore status

Course Length: 1 year

Course Credit: 2 credits

Course Description: Biology I teaches students to apply the scientific method in expanding knowledge and developing understanding. A systematic study of the kingdoms will be made to show the relations of all living things, as well as the great variation of organisms. Students will be given the opportunity to study different plants and animals, stressing the interrelationship of all their organs and life functions so as to emphasize the unity of life. Considerable time will be spent in teacher and student demonstrations, as well as in laboratory study.

(515) Biology II (03053A000)

Prerequisite: Biology I or Freshman Biology with a B average, or consent of instructor, and junior or senior status.

Course Length: 1 year

Course Credit: 2 credits

Course Description: In Biology II, students will build upon skills and techniques learned previously, examining how and why living organisms function as they do. Biochemistry, human physiology and anatomy, botany, zoology, and microbiology will be topics of discussion. Dissection of preserved specimens may be part of the curriculum. Student needs and interests will be considered in emphasizing topics within the curriculum.

(520) Chemistry I (03101A000)

Prerequisite: Biology and Algebra I

Course Length: 1 year

Course Credit: 2 credits

Course Description: Chemistry is an introductory course designed for juniors, seniors and advanced sophomores interested in higher-level science. Students will study the properties of matter and examine chemistry in everyday events. Appropriate skills in abstract reasoning, mathematical manipulation, and reading comprehension are required. Topics studied include theories of the atom, moles, stoichiometry, periodic table, chemical reactions, and properties of commonly used chemicals.

(521) Chemistry II (03102a000)

Prerequisite: Biology I, Chemistry I, Physics (or concurrent enrollment).

Course Length: 1 year

Course Credit: 2 credits

Course Description: Chemistry II is designed for students who demonstrate high interest and ability in chemistry or related fields. Students will build upon and expand upon concepts learned in Chemistry such as atomic theory,

stoichiometry, types of matter, properties of matter, equilibrium, kinetics, thermodynamics, and introduction to organic chemistry. Emphasis will be placed on laboratory techniques, data collection and analysis.

(530) Physics (03151A000)

Prerequisite: Algebra II, and Biology I (Chemistry I is recommended)

Course Length: 1 year

Course Credit: 2 credits

Course Description: Physics, the study of matter and energy, is so basic that it cannot be separated from biology, chemistry, and mathematics. Topics include the application of mathematical concepts to the study of force, motion, heat energy, nuclear energy, sound, light, and electricity. Only students with average or better scholastic achievement should enroll.

(535) Advanced Placement Biology (03056A000)

Prerequisite: Advanced Biology or Biology I and Chemistry with B average or better.

Course Length: 1 year

Course Credit: 2 credits

Course Description: Advanced Placement Biology is designed for the serious student who has exhibited high interest and abilities in science. Students who complete this course are eligible to take the advanced placement test that may allow them to earn college credit in biology. Topics of study will include molecules and cells, genetics and evolution, and organisms and populations. In order to provide students with the conceptual framework, factual knowledge and analytical skills expected of advanced placement students, this course will use college textbooks and laboratory exercises consistent with those in an entry level biology course for biology majors.

**OKAW AREA VOCATION CENTER
VANDALIA, ILLINOIS**

A limited number of juniors/seniors are selected to attend the Area Vocational Center. The criteria used in making the selections are:

- A. Total school citizenship
- B. School attendance
- C. Accumulation of credits toward graduation--at least 22
- D. On track for graduation

(720) Auto Body Repair (20116A001)

Course Length: Two-year program

Course Credit: 6 credits

Course Description: This course includes the name, use, and care of the tools of the trade; skills needed for welding, replacing and repairing parts, and panels, as well as interior and exterior cleanup. Spray gun technique along with care of paint equipment, including types of paint and refinish systems are taught. Another unit is repair estimating.

(721) Building Trades (17002A001)

Course Length: Two-year program

Course Credit: 6 credits

Course Description: This program is aimed at students desiring a career in construction. The class constructs a modern home each year on a lot owned by the Center. On-site construction is accompanied by classroom work that teaches theoretical and technical knowledge of the building trades. The students perform the carpentry, electrical tasks, and observe or assist with the concrete, masonry, sheet metal and/or plumbing installation. The project is completed with painting and landscaping before it is sold.

(722) Food Service (16052A001)

Course Length: Two-year program

Course Credit: 6 credits

Course Description: This is a two-year program for those students who aim for employment in the food industry. Classroom work will include units in food preparations using restaurant equipment such as a bench mixer, deep fryer and grill. Menu planning, serving skill, management practices, nutrition, job interviews and applications will be covered. Field trips will be taken to hotels, bakeries, hospitals, and restaurants. Trained food service personnel are in demand and job opportunities are excellent for the future. On the job experience in food service establishments is mandatory. Opportunity for state certification by providing instruction on the "Applied Food Service Sanitation".

(723) Electronics (17104A001)

Course Length: Two-year program

Course Credit: 6 credits

Course Description: This course is a training program for junior and senior students who desire a career in some field of Electronics or Computer Networking. Both theory and practical experience will be emphasized. Introductory principles ranging from AC-DC circuitry through Networking and Cisco Routers will be taught. Practical skills will include trouble-shooting methods, and reading schematic diagrams and programming at 3 levels. Tools used will include meters, oscilloscopes, power supplies and software. Advanced topics include game design, digital circuits and interfacing. Computer circuitry, repair of computers and LAN cabling is included. Successful completion of the program should enable the student to complete the (A+ certified) computer technician certification, Network+ Certified Network, Administration (N+) certification or other electronic technical certification.

(724) Automotive Mechanics (20104A001)

Course Length: Two-year program

Course Credit: 6 credits

Course Description: This course combines technical background information in the classroom and practical experience in the shop. Training is given on many types of vehicles and engines, using the latest types of equipment. Work and study is done on engine over-haul and tune-up, suspension, brakes, wheel balancing, electrical systems, fuel injection, emission control computer system, air-conditioning, and accessories.

(725) Machine Shop (13203A005)

Course Length: Two-year program

Course Credit: 6 credits

Course Description: Two-year course that provides study of blueprint reading, metallurgy, shop safety, shop mathematics and CNC programming. Emphasis will be placed on operation and set-up of metal cutting, lathes, mills, drills, grinders and saws.

(726) Welding (13207A001)

Course Length: Two-year program

Course Credit: 6 credits

Course Description: The classroom portion of this program provides study in welding safety, basic math, blueprint reading and layout, metallurgy, welding processes, fabrication, and repair. Shop exercises consist of oxy-acetylene welding and cutting, shielded metal arc welding, gas metal arc welding (MIG), and tungsten metal arc welding (TIG) in various positions.

(727) Power Mechanics (18449A001)

Course Length: Two-year program

Course Credit: 6 credits

Course Description: A two-year course that is designed to be vocational in nature and is for those junior and senior students who aim for a career in the repair and assembly of farm machinery. Instruction will be given for all types of mechanical equipment, including diesel motors, and hydraulic and electrical systems.

Diagnostic equipment for engine analysis will be used and advanced welding will be included. Assembly of new equipment, tune up, and complete overhaul of old equipment will be part of the course.

(728) Health Occupations (14051A001)

Course Length: One-year program

Course Credit: 6 credits

Course Description: The purpose of this program is to give young people an opportunity to explore health careers in addition to preparing students for nurse assistant roles. This course meets the requirements for Illinois Department of Public Health Basic Nurse Assistant Training Program. Some of the skills taught in this class include the techniques needed for determining vital signs, bathing and bed making, patient care, disease processes, and care of the aged. CPR training is also offered. The class also visits and/or works in various health related areas. Students receiving an A or B in this class have the opportunity to get college dual credit.

(729) Model Office (10005A002)

Prerequisite: One year of typing is recommended.

Course Length: Two-year program

Course Credit: 6 credits

Course Description: This is a Two-year training program open to juniors and seniors. This course provides practical experience in the tasks performed by office personnel. Areas covered: advanced keyboarding, Microsoft Office Suite (Word, Excel, Access, and Power Point), use of the ten-key office calculator, filing, office grammar and punctuation, proofreading, and office conduct. Various simulations are completed in an office-type setting to stress time management and productivity.

Second-year students expand skills acquired the first year. In addition, students often complete projects as requested by teachers and members of the community. One year of keyboarding is required for this course. Recommend 45 wpm typing speed. College dual credits are available.

(730) Commercial Art (11154A001)

Prerequisite: Art I

Course Length: Two-year program

Course Credit: 6 credits

Course Description: This is a two-year program for junior and senior students interested in a career or a vocation of commercial illustration and advertising. The course covers a wide variety of experiences in art. Students will be given experiences in advertising, computer graphics, paste-up design, sign painting, fashion design, interior design, and display design. The principles and elements of design will be emphasized on each project. Emphasis upon excellence in craftsmanship with a time element is stressed as if employed on the job.

(731) Drafting/Computer-Aided Drafting (21103A001)

Course Length: Two-year program

Course Credit: 6 credits

Course Description: A two year course which provides learning experiences related to the principles, tools, materials, techniques, equipment and processes utilized in the production and reproduction of drawings, layouts, plans and blueprints. Emphasis will be placed on three-dimensional representation using the computer as a drafting tool. Instruction is provided in freehand sketching; theory of projection; relationship of coordinate planes; object position in relation and requirements of dimensioning and understand tolerancing; isometrics of planes and solids; cavalier, cabinets, and general oblique drawing; diametric drawing; and picture plans, points of sight, visual rays, and vanishing points in perspective drawing.

(732) Child Care (19055A001)

Course Length: One-year program

Course Credit: 6 credits

Course Description: This one year program is designed to help students prepare for a career in early childhood care and education. During this program, students will gain an understanding of the physical, intellectual, social, and emotional characteristics of children. They will learn practical techniques to assist in planning and guiding children through a variety of daily experiences in a safe and educational approach. Students will also gain practical knowledge in the areas of curriculum development and writing lesson plans based on whole child development, developing guidance skills, and establishing classroom limits.

Leadership, employability skills, and 60 hours of early childhood observation will be a part of this course. Each student can be certified in CPR/First Aid and have the option to obtain a Level I Certification CDA Credential. Must meet TB test requirements.

(735) Criminal Justice and Corrections (15051A000)

Course Length: One-year program

Course Credit: 6 credits

Primary Grade Level: Seniors only

Course Description: An overview of the Criminal Justice system of the United States with topical consideration of the functional areas of the police, courts, corrections, Nature of Law, and the interrelationships of several components of the systems. Topics such as crime, legal concepts, policing, prosecution, defense, courts, sentencing, corrections, correctional programming institutional operations, counseling, care management, criminal justice reporting internal affairs, the juvenile justice systems and the development of philosophy, theory, and practice at correctional institutions will be discussed. Includes an analysis of police and correctional line operations. Topics such as the specialized functions of crime prevention, vice, drug, communication, police reports, patrol deployment, juvenile work, use of deadly force, implementation of procedural and tactical planning, basic principles of vehicle/traffic control and enforcement, accident investigation and functions of various police operational field units.

Correctional operations will include History of Corrections, Development in the United States, current prison populations, gangs, institutional security, inmate characteristics, employment and careers in corrections. The course will emphasize contemporary/topical issues such as cultural diversity, ethical issues, gangs, crime in the United States, new ways of dealing with offenders and inmates, professional liability, and changes in career development in criminal justice.

This is a Dual Credit course in which students will be receiving credits toward High School graduation as well as Community College credit hours. Students will be expected to pay Community College tuition up to twelve hours received through this course.

The objective of the Criminal Justice and Corrections program is to prepare high school graduates with advanced status in the Administration of Justice program at Kaskaskia Community College or the Corrections/Law Enforcement programs at Lake Land Community College.

