

## **LANGUAGE ARTS**

English classes are taken in sequence unless dual enrollment is permitted because of the failure of the previous course

### **English I**

English I is an introduction to world literature stressing the basic elements of fiction, non-fiction, drama, and poetry. English I also covers an intensive study of grammar beginning with parts of speech, parts of the sentence, phrases and clauses. Usage and mechanics are also studied. Vocabulary composition and a study of the novel complete the course of study for English I.

### **Spanish I**

Spanish I is the introduction of the first level of study. The students will learn basic vocabulary, cognate usage for reading and understanding, basic speaking and listening, and structure of grammar. Culture awareness of similarities and differences is introduced. Must be a strong English student.

## **MATHEMATICS**

*(Teacher Recommendation)*

### **Algebra I**

**Prerequisite: "C" average or above in Pre-Algebra**

Reviews basic algebra concepts covered in pre-algebra and builds on those concepts. Concepts include working with data; operating with signed numbers; solving equations and inequalities in one and two variables; solving systems of equations; writing and graphing equations; using and factoring polynomials; using proportions and rational equations; and problem solving using each concept.

### **Algebra II**

**Prerequisite: "C" average or above in Algebra I**

Reviews concepts covered in Algebra I and expands on those topics. Includes solving and graphing inequalities, and quadratic equations; operating on matrices; solving systems of equations using matrices and Kramer's rule; using and solving functions, relations, powers, roots, and radicals, exponential functions, logarithmic functions, polynomials, polynomial functions, and rational functions.

### **Geometry**

**Prerequisite: "C" average or above in Algebra II**

This year long class will cover definitions and postulates needed for formal geometric proofs. Formal proof in the following areas will be covered: congruent triangles, perpendicular and parallel lines, polygons, the Pythagorean theorem, circles, and areas.

## **SCIENCE**

*(Teacher Recommendation)*

### **Life Science**

These courses provide students with a basic understanding of living things. Topics covered may include ecology and environmental problems such as overpopulation and pollution as well as cells, types of organisms, evolutionary behavior, and inheritance.

### **Physical Science**

Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

### **Biology**

This course utilizes the inquiry approach to learning about living things. During the year, Ecology, diversity among living things, Cellular Morphology and Physiology, Organismic Morphology and Physiology, and student's place in the world will be covered.

### **Chemistry**

#### **Prerequisite: Algebra I**

This course is designed to encourage students to learn problem-solving techniques, to learn and use the chemistry vocabulary, and to accumulate a body of chemistry knowledge. Laboratory work will be used in achieving these aims.

## **SOCIAL SCIENCES**

### **World History**

This one-semester course is a study of the world beginning with the rise of the Medieval Europe and continuing through the age of Imperialism.

### **U. S. Women's History**

U.S. Women's History courses examine the history, politics, economics, and/or culture of gender in U.S. society. These courses may focus primarily on gender relations or may take a more comprehensive approach to studying the contemporary issues related to gender.

### **Modern Wars**

This one-semester course is designed to give students an in-depth study of the early wars and conflicts of the twentieth century. The class will study World War 1, the Russian Revolution, time between wars, the Holocaust, and World War 2. Emphasis will be placed on the causes, connection, and results these events.

### **Southern Illinois History**

Southern IL History courses examine the history, politics, economics, society, and/or cultures of one state in the United States. This course may focus primarily on the history of that state or may take an interdisciplinary approach to the contemporary issues affecting it.

## **FINE ARTS**

### **Prerequisite: Junior High Band**

#### **Band**

Band members learn teamwork, cooperation and pride through making music together. The same kind of commitment and dedication to creating a winning athletic team is required for building a successful band.

Band members are evaluated on 1) Participation – attending all required performances and rehearsals; 2) Attitude and discipline – reflecting respect and pride in the band, school and community; and 3) Proficiency – striving to perform on their instruments to the best of their ability.

During the fall, the band functions primarily as a marching band, participating in local and competitive parades. During the rest of the year, the band turns to concert band music, featuring a Christmas concert, a spring concert and state band contest. The band plays an especially important role in the athletic program, performing at all home varsity football games, all home varsity boys' basketball games, and the final home girls' varsity game of each season.

One-half credit will be given. Four years of band will also meet minimum college fine arts admission requirements for Illinois colleges.

#### **Chorus**

All students may elect chorus if they qualify musically and vocally. The group must have an ability to blend voices. Criteria for election of chorus should be a good ear, ability to carry a tune, quality of voice that blends, the ability and willingness to work and share with others, and a love of music. One half-academic credit will be given. Four years of chorus will also meet minimum fine arts college admission requirements for Illinois colleges.

#### **Music Appreciation**

A goal of Music Appreciation is for students to gain an understanding of the elements that make up music. Topics to be studied include vocal music, instrumental music, musical theater, music history from ancient to modern times, and more contemporary forms of music, including jazz and rock.

Another goal is to expose students to as much of a variety of music as possible, where students will analyze and describe their unique responses to music. To enhance the course, students are encouraged to share recorded music and videos from their own collections.

## **AGRICULTURAL & CAREER EDUCATION**

#### **Ag Science**

This 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.

## **Basic Ag Careers**

In this one-semester 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 maintaining and repairing small gasoline engines, basic electricity, 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.

## **Orientation to Transportation**

Orientation to Transportation will be a class room environment. It will be one semester in length for one class period per day. Studies will consist of a very basic study of the following: Types of transportation, automotive history, basic automotive and identification of hand tools, shop equipment and the safe and proper use of the shop area.

## **Orientation to Communication Technology**

This course is designed to allow students to develop knowledge of concepts in the major industrial communication tool-drafting. This class will prove to be valuable if you are considering entering the field of architecture, interior design, landscaping, engineering, surveyor or computer aided drafting. There are many technical drawing professions. A skill designer depends on graphic communications as a tool for selling ideas. Technical drawing skills can be the basis for all successful graphic presentations and technical documents. This course will cover lettering, one view, and three view drawings. Students will also learn the various drafting tools used to complete the drafting projects. During the course we will discuss many professions or careers directly related to drafting.

## **Orientation to Energy Technology**

This course is designed to allow students to develop knowledge of concepts in the distribution, conservation, and utilization of concepts that support energy systems. The extraction, processing, and conversion of our energy resources that product electricity will also be studied. General electrical safety with conductors and insulators will be covered. Applied learning activities of residential wiring methods covering outlets, GFCI, switches, and breakers will also be taught.

## **BUSINESS EDUCATION**

### **Business & Technology Concepts**

Business & Technology Concepts is a one-semester course designed for freshman and sophomore grade students. The main objective of the course is to enable students to understand our economic society and to prepare them for intelligent participation in our free enterprise society. The course also enables the student to develop the concept of wise consumership including the facts that as consumers there are certain rights and responsibilities. Another objective is to give students an understanding of the need for well-trained workers and an appreciation for the necessity of choosing a career in which each individual can make the

greatest contribution to society. (This course meets the consumer education requirement as per the Illinois School Code.)

### **Keyboarding**

### **Teacher Recommendation**

Keyboarding is a one-semester course planned to develop basic skills in keyboarding technique for computer keyboards. Major emphasis is placed on keyboarding technique, proofreading and developing speed. During this course, emphasis is also placed on basic word processing using MS Word, including inputting, storing, editing, correcting and printing documents. In addition, students will improve necessary language skills such as capitalization, punctuation and word usage. Students will be taught to format letters and reports according to business and educational standards.

### **Word Processing**

### **Teacher Recommendation**

Word Processing is a one-semester course planned to develop basic word processing skills using MS Word, including inputting, storing, editing, correcting and printing documents. Major emphasis is placed on report and letter formats, and proofreading. Instruction will include improving necessary language skills such as capitalization, punctuation and word usage. Students will also learn to format tables, newsletter and flyers.

### **Computer Applications**

### **Teacher Recommendation**

This one –semester course will teach you how to effectively set up and use Gmail, Google Calendar, Drive, Slides and Docs in the first quarter. The second quarter will cover computer basics such as: What is a Computer? Operating Systems, Applications, the Cloud, Hardware, Mobile Devices, Setting up and Using Your Computer, the Internet, Safety and Maintenance and Basic Troubleshooting.

### **Computer Concepts & Software Applications I**

### **Teacher Recommendation**

Computer Concepts I is a one-semester course that introduces students to applications in computers and computer technology. This course will build students computer literacy skills by providing them with information related to the basic components of a computer. Students will learn general information about the history of computers and the use of Windows 98, word processing, spreadsheet, database, Power Point and Internet skills that will prepare them for college level computer courses and entry-level job requirements using MS Office. They will have the opportunity to explore general computer use and apply their skills across the high school curriculum.

### **Computer Concepts II**

### **Teacher Recommendation**

Computer Concepts II is a one-semester course that builds upon the skills learned in Computer Concepts I. Students will learn Access, Word Perfect, Power Point and Internet usage. This class is composed of several units of computer-related topics, group projects and practical applications.

## **HOME ECONOMICS OCCUPATIONS**

### **Child Development**

A semester course which concentrates on helping students gain knowledge and understanding of the growth and development of children from birth through age 12. Included will be an introduction to quality childcare practices and information on a variety of career opportunities within the child care services field. Observation and experiences with young children at the Preschool will facilitate an understanding of application of child development principles in relationship to caring for children. Special emphasis will be spent upon health and safety regulations and practices in childcare.

### **Introduction to Clothing**

Topics include: clothing history, fabrics and fibers, grain lines, cutting, hand sewing, use and care of sewing machine.

### **Foods and Nutrition**

This 2-hour one semester course includes classroom and laboratory experiences needed to develop knowledge and understanding of food principles and applied nutrition for people of all ages. Emphasis includes meal planning for families meeting nutritional and budgetary needs, management techniques, sanitation, safety, and skills useful for the homemaker and/or wage earner in food services. Areas such as cake decorating, garnishing, yeast breads and meat preparation are also covered.

## **PHYSICAL EDUCATION**

### **Physical Education**

Physical Education attempts to provide instruction and practice in a variety of sports activities and to develop strength and endurance in each student. Activities provide opportunities to appreciate and develop qualities of good sportsmanship and a desirable standard of conduct, which will carry over into the student's life after leaving the school setting. It includes a program of physical fitness in order to attain optimum health for every student.

### **Health**

Health is a one-semester course designed for ninth or tenth grade students. The course consists of a study of the individual's total health including the physical, mental, emotional, and social aspects. Topics of study include the teamwork within the body system, personality, emotions, environment, first aid, human sexuality, and the dangers of tobacco, alcohol, and drug use.

### **Driver Education**

***Scheduled by Mrs. Lueke***

Driver Education is taught in two parts. The first part is a nine-week comprehensive study of the responsible driving textbook and the Illinois Rules of the Road handbook. Students are taught specific rules of safe driving and are acquainted with the different systems of an automobile. The behind the wheel driving, the second phase, begins after the classroom instruction. Students receive six hours of driving experience. Enrollment is based on birthdate.

**Athletics**

Some athletics meet during 8<sup>th</sup> hour as a PE credit. It is very important to inform Mrs. Lueke if you plan to participate in a sport at any point in the school year. It could affect your schedule.