

# NORTH MAC HIGH SCHOOL

## 2010-2011 REGISTRATION

### General Instructions

**Course descriptions are provided for your information. If you have any questions concerning any course, prerequisite for a course, or course sequence, talk with the instructor or counselor. Any questions concerning regulations, policies, or laws governing curriculum should be directed to the administration.**

**PREREQUISITES:** Some classes have prerequisites. These are courses or grade requirements necessary before a student may register for a particular class. This is done to prevent a student from taking a class for which he or she is not prepared and consequently would not have the background or experience to draw upon in order to pass the course.

**PARENT SIGNATURE ON REGISTRATION FORM:** A parent/guardian is required to sign the registration form. This will indicate that they have seen the student's choice of classes and agree with the selection. Because many of the classes have a maximum size limitation, registration forms will be numbered as they are received and those returned first will have priority. If there are questions regarding registration, students and/or parents should meet with the counselor or call the counselor office at 217-965-4127 or 217-627-2136.

# REQUIREMENTS FOR GRADUATION

## **Graduation Requirements for Girard students in the Class of 2011 (Seniors) – 20 credits**

- \* 3 Math (one must be Algebra I)
- \* 3 English (2 courses focused in writing)
- \* 2 Science
- \* 3 Social Studies (1 Social Studies, 1 US History, ½ Resource Management / ½ Government)
- \* 1 Elective
- \* 1 Freshman Sequence
- \* Physical Education

## **Graduation Requirements for Virden students in the Class of 2011 (Seniors) – 23 credits**

- \* 3 Math (one must be Algebra I)
- \* 3 ½ English (2 courses focused in writing)
- \* 2 Science
- \* 2 Social Studies
- \* 1 Elective
- \* ½ Business & Tech Concepts
- \* 1 Freshman Sequence (½ Health, ½ Driver's Education)
- \* 3 ½ Physical Education

## **Graduation Requirements for Girard students in the Class of 2012 (Juniors) – 20 credits**

- \* 3 Math (one must be Algebra I)
- \* 4 English (2 courses focused in writing)
- \* 2 Science
- \* 3 Social Studies(1 Social Studies,1 US History,½ Resource Management/ ½ Government)
- \* 1 Elective
- \* 1 Freshmen Sequence
- \* Physical Education

## **Graduation Requirements for Virden students in the Class of 2012 (Juniors) – 24 credits**

- \* 3 Math (one must be Algebra I)
- \* 4 English (2 courses focused in writing)
- \* 2 Science
- \* 2 Social Studies
- \* 1 Elective
- \* ½ Business & Tech Concepts
- \* 1 Freshman Sequence (½ Health, ½ Driver's Education)
- \* 3 ½ Physical Education

### Graduation Requirements for Girard students in the Class of 2013 (Sophomores) – 20 credits

- \* 3 Math (one must be Algebra I)
- \* 4 English (2 courses focused in writing)
- \* 2 Science
- \* 3 Social Studies(1 Social Studies,1 US History,½ Resource Management / ½ Government)
- \* 1 Elective
- \* 1 Freshmen Sequence
- \* Physical Education

### Graduation Requirements for Virden students in the Class of 2013 (Sophomores) – 24 credits

- \* 3 Math (one must be Algebra I)
- \* 4 English (2 courses focused in writing)
- \* 2 Science
- \* 2 Social Studies
- \* 1 Elective
- \* ½ Business & Tech Concepts
- \* 1 Freshman Sequence (½ Health, ½ Driver's Education)
- \* 3 ½ Physical Education

### Graduation Requirements for North Mac students in the Class of 2014 (Freshman) – 24 credits

- \* 3 Math (one must be Algebra I)
- \* 4 English (2 courses focused in writing)
- \* 3 Science
- \* 3 Social Studies (1 Social Studies, 1 US History, ½ Consumer Education / ½ Government)
- \* 1 Elective
- \* 1 Freshman Sequence (½ Health, ½ Driver's Education)
- \* 1 Freshman Seminar
- \* 3 ½ Physical Education

# AGRICULTURE

## **Introduction to the Agriculture Industry**

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

**Prerequisite: None**

**Credit: 1 per year**

This orientation course provides an opportunity for students to learn how the agricultural industry is organized, its major components, and the types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, landscaping, environmental science, natural resources, and agribusiness management will be presented. Participation in Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration and reinforcement of academic concepts. At least 10 students need to be willing to become FFA members for the class to be offered.

# **BUSINESS**

## **Keyboarding and Document Formatting I** **Recommended for all FRESHMEN**

**Grade: 9, 10, 11, 12**  
**Credit: 1 per year**

Students will learn to operate the letter, figure, symbol, and service keys by touch; to type words, sentences, and paragraphs with speed, accuracy, and good technique; and to type from printed, handwritten, and corrected copy. Students will learn to format personal and business letters, outlines, reports, and tables. Microsoft Office Suite will be utilized. A final project will be completed to receive credit.

## **Keyboarding and Document Formatting II** **Prerequisite: Keyboarding I**

**Grade: 10, 11, 12**  
**Credit: 1 per year**

Students will increase in speed while maintaining high accuracy. They will increase skill in typing from scripts and rough drafts. They will learn to apply their higher skills to common business jobs—interoffice correspondence, news releases, letters, e-mail, reports, memos, and letters containing tables. Students will add to their ability to type figures and symbols and will grow still more in knowledge, understanding, and work habits which are needed for success in the modern business office with respect to Microsoft Office applications. Upon completion of this course, students will be strong, more knowledgeable and more competent to ready themselves for business employment. Microsoft Office Suite will be utilized.

## **Desktop Publishing**

**Prerequisite: Keyboarding I or 35 wpm / 2 errors**

**Grade: 10, 11, 12**  
**Credit: ½ per semester**

Students will demonstrate entry-level and intermediate skills in using a variety of hardware and software products to produce documents incorporating the basic elements of layout and design. Desktop Publishing principles will be applied to produce professional documents using Microsoft work and Microsoft Publisher. Professional documents such as flyers, brochures, and newsletters for both personal and business use.

## **Video Production**

**Prerequisite: Keyboarding I or 35 wpm / 2 errors**

**Grade: 11, 12**  
**Credit: ½ per semester**

This course introduces students to the creation and manipulation of digital videos using the video editing software program called Adobe Premiere Elements 3.0. Sophisticated and professional video presentations will be developed throughout the semester. The course is designed to provide hands-on experience in editing and filming. By the end of the semester, students will be familiar with video editing and will be able to create short videos utilizing basic capture and editing techniques. Students will experience real world work conditions such as meeting deadlines and working cooperatively in teams to prepare, record, and present video projects. Students will also be required to film various school events as well as film outside of school.

**Computer Programming****Grade: 11, 12****Prerequisite: Keyboarding I or 35 wpm / 2 errors****Credit: ½ per semester**

Students will be introduced to the fundamental skills of problem solving and programming. The class provides an introduction to writing instructions that direct the activity of computers. The course uses the programming language, Visual Basic. Visual Basic streamlines the development of applications for Windows based computers. Concepts studied are structured programming, debugging, and the use of numeric and string functions.

**Advanced Computer Applications****Grade: 11, 12****Prerequisite: Keyboarding I or 35 wpm / 2 errors****Credit: 1 per year**

The focus of this course will be the extensive study of Microsoft Word, Microsoft Excel, Microsoft Access, and Microsoft Power Point. This course includes the study of commands, formulas, and basic functions of spreadsheets as well as an introduction to database management concepts and the various methods of organizing data. This hands-on course will provide numerous activities and applications for students enhancing learning and providing them with tools for personal, school, and career projects.

**Web Design****Grade: 11, 12****Prerequisite: Keyboarding I or 35 wpm / 2 errors****Credit: ½ per semester**

The purpose of this class is to learn the elements of design as they apply to web pages. As students progress they will learn various software programs as web design tools. Students will design and maintain web pages for projects and explore the use of web design while learning various aspects of the Internet.

**Accounting I****Grade: 11, 12****Prerequisite: None****Credit: 1 per year**

This course presents the double-entry bookkeeping system. Students will learn the full accounting cycle, and in doing so, analyze and record business transactions, use journals and ledgers in order to prepare financial statements. Students will be introduced to the automated accounting system.

**Accounting II****Grade: 12****Prerequisite: Accounting I****Credit: 1 per year**

A continuation of Accounting I as an advanced course emphasizes accounting for a merchandising business as a corporation with adjustments and valuation. Additional accounting procedures are also incorporated.

**Basic Business****Grade: 9, 10, 11, 12****Prerequisite: None****Credit: 1 per year**

This course will give the student a thorough background in the basic record keeping skills used in business. The skills presented in this course will also serve as a sound background for employment and basic life skills. Students must take this class the first semester in order to participate in the business simulation that is presented in the second semester. There must be a minimum of 16 students enrolled in this class from the first semester in order to operate the business simulation.

MEAN JEANS MANUFACTURING CO. is a modified, flow-of work, business community simulation based on the operations of a small business community that includes 16 different businesses. All 16 businesses interact by doing business with each other and with businesses and individuals outside the model business community.

**Personal and Business Law****Grade: 10, 11, 12****Prerequisite: None****Credit: ½ per semester**

Topics include contracts, our legal system (crimes, torts, law enforcement, and the court system), bailment, employee-employer relationships, buying and selling goods, real and personal property, wills and estate planning, product liability and warranties, debtor and creditor rights, and bankruptcy. The course content will enable the students to be knowledgeable about law as it affects citizens.

**Sports and Entertainment Marketing****Grade: 11, 12****Prerequisite: None****Credit: ½ per semester**

This course covers the foundations and functions of marketing. It approaches marketing as an integrated set of tasks (functions), built on a solid set of foundations (economics, finance, career preparation). Students will learn about the various functions of marketing as it related to sports and entertainment, but also discover how each function fits with the others. The projects and activities cover a wide variety of teams and artists. Topics covered will include college and amateur sports, professional sports, marketing products and services through sports, public images, sports marketing, entertainment industry, marketing entertainment, recreation marketing, marketing plans, legal issues for sports and entertainment.

**Consumer Education****Grade: 11 and/or 12****Graduation Requirement****Credit: ½ per semester**

This required semester course is designed for those entering the job market and those purchasing products and services provided by others. Career opportunities and responsibilities based on individual interests will be explored. Other topics included the importance of technology, consumer protection, taxes, budgeting, banking services, saving, investing, credit, insurance, advertising, comparison shopping, and managing a checking account. Students will use computers and the internet. Projects will be included throughout the semester, like resume/cover letters, tax forms, and checking accounts.

# CAPITAL AREA CAREER CENTER (CACC)

**Capital Area Career Center [CACC]**

**Grade: 11, 12**

**Prerequisite: be accepted through the application process  
year**

**Credit: 3 per**

**and pass required classes at North Mac**

Capital Area Career Center gives students the opportunity to pursue career options, enhance employability skills, transition into employment and prepare for life long learning. College credit is available in many of the programs. Application is made second semester of sophomore year.

## **CAREER PROGRAMS**

### **Agricultural and Industrial Mechanics**

**CACC**

The AIM program has an emphasis on employable skills in several mechanical fields. All components of agricultural, industrial and construction equipment will be covered during the two-year program with both repair and operational experiences available to the student. Students will also have the opportunity to utilize new technological developments in this industry. Prior experience or classes in mechanics would be helpful in this program. Students successfully completing this program will have the opportunity to receive LLCC college credits and may earn NCCER recognition.

### **Collision Repair Technology**

**CACC**

The CRT program is designed to provide students with entry level skills in the automotive collision repair industry. Students will have the opportunity to become experienced with state-of-the-art equipment and machines such as down draft paint booths and drying heaters, computerized frame alignment machines and other recent developments in the industry. Graduates from this program are employed at or own many of the collision repair shops in the Springfield area. Students completing the CRT program qualify for LLCC credits.

### **Auto Technology/Serviceing**

**CACC**

The ATS program offers entry level training and experiences to students interested in careers in the automotive repair and maintenance industry. This program involves a mix of both classroom and lab time to provide a well-rounded education for the students. All components of the automobile will be covered during the two-year program. Students have the opportunity to specialize in either the more technical areas of auto repair or the more general servicing area. Students would benefit from prior mechanical experience prior to taking the ATS program. Students successfully completing the ATS program qualify for LLCC credits.

## **Building Trades**

**CACC**

The Building Trades program trains students in the skills and knowledge required to become employed in the construction trades as a carpenter. During their time in this program students will have the opportunity to complete several smaller building projects, but will also build a home from the foundation to completion. This program offers excellent employment opportunities for those wishing to become carpenters.

## **Microsoft Office Academy**

**CACC**

The Microsoft Office Academy integrates business needs and higher education expectations with the technical tools provided in the Microsoft Office programs. Students will learn to navigate through and utilize the features of the latest Windows Operating system and allows students to gain hands-on experience using Word, Excel, Access, PowerPoint, Outlook, and Publisher. MOA students have the opportunity to become certified through the Microsoft Office Specialist (MOS) certification track, which gives students an appealing edge in the employment market. In addition to the available certifications, after the successful completion of this two year program students will obtain 30 college credits, which makes it possible for students to reach their college goals before most of their peers.

## **Communications and Media**

**CACC**

The Com/Media department is composed of four separate programs offering numerous opportunities to those students electing to pursue careers in those fields. The areas offered at CACC are as follows: Radio/TV, Photography, Multi-Medial, and Graphic Arts.

The Radio/TV students have the opportunity to work on the CACC 24- hour radio station WQNA with a broadcast area covering the radius of about 20 miles. Students learn all aspects of the broadcast industry and have the opportunity to work in all aspects of the station's operation from the technical side to the broadcasting of programs. Advanced students also become involved in program production and preparation for television.

Photography students have experiences in all areas of photography from black and white to color, digital to the conventional 35 mm, as well as photo production. Photo layout and production for the various printing needs are also taught. Current darkroom photo processes to the newest in computer generated and enhanced photography are covered. Students complete this area with a portfolio of their work.

Multi-Media students utilize the latest in computer technology combined with standard audio and visual auditing techniques to produce a wide variety of products. These products may include editing home videos to professional quality promotional products. This class is predominately a hands-on class comprising several student projects.

Graphic Arts students have the opportunity to use several different procedures and pieces of equipment to produce student projects throughout the year. They have available for their use production quality printing equipment. They also have the opportunity to use state-of-the-art computer hardware and programs to develop and modify individual projects such as web pages,

note pads, silk-screened shirts, etc. throughout the year. Students enjoy this class because they have the opportunity to make things they normally would buy.

### **Information Technology/CISCO Academy**

**CACC**

The CISCO course offers each student the opportunity to proceed through the CISCO program at their own pace. They learn the operational procedures of computer operations and networking through a combination of instruction and hands-on lab exercises. This class is very demanding, but also is found by most students to be very rewarding and financially benefits their future. Upon completion of this program students should be prepared to take the national CCNA certification test.

### **Cosmetology**

**CACC**

The cosmetology program offered by CACC is approved by the Illinois Department of Professional Standards and allows high school the student to begin or complete the licensing process to become an approved cosmetology technician. The first year is held at CACC and involves the introductory phases of cosmetology. The second year is completed at the University of Spa and Cosmetology Arts located on West White Oaks Drive. This program offers the students an excellent opportunity for a professional career when they complete high school.

### **Culinary Arts**

**CACC**

The culinary arts program offers students the opportunity to experience the food services industry from the prospective of the chef or manager. They do not spend much time on the fast food industry. The class operates a catering business within the school doing nearly \$40,000 in business each year providing everything from breakfasts and snacks to fine dinners and desserts. Students also have the opportunity to intern at the finer dining establishments in the area.

### **Early Childhood Care and Education**

**CACC**

The ECCE program offers students the experience of working in a pre-school setting with 3 to 5 year old children in an actual pre-school at CACC. Students learn the skills required for this in class and then rotate into the pre-school every other week throughout the school year. This provides them with an experience to which a price is impossible to attach.

### **Electrical/Heating, Ventilating, & Air Conditioning**

**CACC**

This program offers the student the chance to become skilled as either a residential electrician or a HVAC installer or technician. The class includes both classroom time and hands-on lab time with the majority of the time being in the lab. Students participate in the construction of smaller projects as well as the building of a home.

**Health Occupations** **CACC**

**[Prerequisite – Helpful high school courses include science, biology, health, anatomy, physiology, and speech. Students enrolling in Health Occupations should have good communication skills and a definite desire to care for sick people. Students will have to pass a criminal background check.]**

The health occupations program offers the students the opportunity to earn their CNA certification and receive actual work experience in the health care field. Students spend time in both the classroom and in clinical settings both within CACC and at outside facilities.

**Law Enforcement/Emergency Response Services** **CACC**

The LE program prepares students to enter several of the emergency response careers through the teaching of appropriate response practices in a variety of settings. Students also learn basic law facts and how to correctly file reports. This class involves time both in the classroom and in actual lab settings. Activities such as traffic stops, suspect restraint procedure, etc. to name just a few are covered.

**Power Equipment Technology** **CACC**

The PET program emphasizes employable skills in the agricultural, industrial, and construction equipment industry. All components of the equipment will be covered during this program with an emphasis on repair and understanding each area. During the two-year program both operation and repair of the equipment will be discussed. Students will have the opportunity to experience the latest technology during this program and have the opportunity to operate several types of equipment. Prior mechanical experience would be helpful in this course. Student successfully completing this program can earn LLCC credits and may earn NCCER recognition.

**Welding** **CACC**

The welding program allows each student to experience and weld with a wide variety of welders and materials. During this class they spend much of their time in actual hands-on activities in the shop welding and constructing individual projects.

**Fire Science/Emergency Services** **CACC**

The Fire Science and Emergency Services program will teach students the proper fire fighting procedures and how to perform back emergency medical treatment. Students can earn up to 17 hours of college credit at Lincoln Land Community College.

**Landscape Design and Turf Management** **CACC**

The newest program at CACC this year, students will learn how to design landscaping plans and how to work with existing landscape projects.

# DRIVER EDUCATION

## **Driver Education**

**Prerequisite: Birthday before June 1, 1996 and Must successfully complete the previous two (2) semesters of school work prior to eligibility for enrollment**

**Grade: 9, 10, 11, 12  
Credit: ½ per semester**

Students must receive a passing grade in at least eight (8) courses during the previous two (2) semesters prior to enrolling in a driver education course.

If a student does not meet the requirements of the class, that student may not retake the class until the next calendar year unless permitted by administrator.

The fee for Driver Education will be paid each time a student takes the class.

Open to: All residents of school district #34 who are acquiring or hold a current valid drivers license during the term of the course and who are at least 15 years old but have not reached 21 years of age.

Included in this course are guidelines set / required by the Illinois Secretary of State for acquiring a driving permit and to learn phases needed to obtain an Illinois State Drivers License. This class also provides a variety of learning experiences for the purpose of helping students learn to use motor vehicles safely and efficiently.

This includes classroom and lab experiences.

## **FAMILY and CONSUMER SCIENCE**

### **Orientation to Family and Consumer Science**

**Grade: 9, 10**

**Prerequisite: None**

**Credit: 1 per year**

A course designed to introduce students to all areas of Family and Consumer Science and serve as a background for Family and Consumer Science Education programs. This composite course is designed to present basic subject matter in six areas: clothing and textiles, resource management, foods and nutrition, design and housing, family and human development, and the world of work.

### **Fashion Merchandising**

**Grade: 10, 11, 12**

**Prerequisite: None**

**Credit: ½ per semester**

**Offered: Even Years (2010-2011)**

This course is planned to provide students opportunities to develop knowledge and understanding of textiles, fabrics, and fashions and to assist them in meeting the fashion product needs of themselves, families and/or general public. The course content centers around developing student competencies in the following areas: selecting clothing and textile products, meeting social, physical, psychological and economical needs through clothing and textiles, communicating intended clothing image to others and exploration of careers related to fashion merchandising.

### **Child Development**

**Grade: 10, 11, 12**

**Prerequisite: None**

**Credit: ½ per semester**

This course emphasizes learning experiences which help students gain knowledge and understanding of the intellectual, physical, social and emotional development of children from conception through age six. The course content centers around the following areas: promoting child development by applying physical, social, intellectual, and emotional principles, providing experiences which encourage children to maximize resources, and exploration of careers related to child development.

### **Food and Nutrition I**

**Grade: 11, 12**

**Prerequisite: None**

**Credit: ½ per semester**

This course includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applied nutrition to people of all ages. The course content centers around the following 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 foods, maximizing resources when planning / preparing / serving food, and exploration of careers related to foods and nutrition.

**Food and Nutrition II****Grade: 11, 12****Prerequisite: Foods and Nutrition I****Credit: ½ per semester**

In this second level of foods and nutrition, more attention is paid to food selection and storage of special circumstances and dietary needs. Laboratory sessions are devoted to preparation of foods with specific characteristics. Course content include the following areas: influences on food customs, diet and health, food purchasing, conservation in providing food, advanced food preparation techniques, and exploration of careers related to foods and nutrition.

**Clothing and Textiles****Grade: 10, 11, 12****Prerequisite: None****Credit: ½ per semester****Offered: Odd Years (2011-2012)**

This course provides classroom and laboratory experiences in the areas of pattern and fabric selection as well as construction techniques. Students will purchase their own supplies to make two garments.

**Housing and Interior Design****Grade: 11, 12****Prerequisite: None****Credit: ½ per semester****Offered: Odd Years (2011-2012)**

Learning experiences are designed to provide students with basic knowledge and skills needed to select, acquire, maintain, and manage living environments that meet the needs of the occupants. The course content includes the following areas: locating and managing housing, evaluating living space to meet basic needs, exploration of careers related to housing and interior design. Students will design the floor plan for a new house and decorate one room of that house.

**Adult Living****Grade: 11, 12****Prerequisite: None****Credit: ½ per semester**

This course is designed to assist students in achieving life satisfaction through responsible participation as adults in the home, community, and workplace. Emphasis is placed on the development of prevention strategies which will assist individuals in responding to situations in terms of their identified values and goals. The course content includes: developing short and long-range plans, demonstrating goal-setting and decision making skills, evaluating and adapting basic needs to assume roles and responsibilities, recognizing and following health practices that assist in coping, electing and using resources to enhance individual growth and development, developing effective relationships to promote communication with others, and evaluating family and career changes as they impact individuals.

**Parenting****Prerequisite: None****Offered: Even Years (2010-2011)****Grade: 11, 12****Credit: ½ per semester**

This course is designed to help students think through the responsibilities, satisfactions, and stresses of parenthood by examining many types of parenting situations. Stress prevention and management and the work of community agencies that help parents deal with various types of parenting crises are emphasized. The course content includes: managing and organizing parenting by applying decision-making and goal-setting skills, applying the basic principals of the parenting process, practicing health and safety standards are related to parenting, providing experiences which encourage parents and child to maximize resources, encouraging human relations skills in child/adolescents, and evaluating the impact of parenting on family and career changes.

# FINE ARTS

## **ART 01**

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

**Prerequisite: None**

**Credit: ½ per semester**

Students will complete a variety of projects in various media including acrylic paint, oil paint, watercolor, chalk, and oil pastels. All classes will do at least one clay project per semester and all classes will complete two still life drawing per semester. This class will also have a unit on art history.

## **ART 02**

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

**Prerequisite: None**

**Credit: ½ per semester**

Students will complete a variety of projects in various media including acrylic paint, oil paint, watercolor, chalk, and oil pastels. All classes will do at least one clay project per semester and all classes will complete two still life drawing per semester. This class will also do a unit on art history.

## **ART 03**

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

**Prerequisite: None**

**Credit: ½ per semester**

Students will complete a variety of projects in various media including acrylic paint, oil paint, watercolor, chalk, and oil pastels. All classes will do at least one clay project per semester and all classes will complete two still life drawing per semester. This class will also do a project on various styles of art.

## **ART 04**

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

**Prerequisite: None**

**Credit: ½ per semester**

Students will complete a variety of projects in various media including acrylic paint, oil paint, watercolor, chalk, and oil pastels. All classes will do at least one clay project per semester and all classes will complete two still life drawing per semester. This class will also do a project on a favorite artist.

## **Adobe Photo Shop**

**Grade: 11, 12**

**Prerequisite: None**

**Credit: ½ per semester**

This course will explore beginning skills and knowledge in the use of Adobe Photoshop CS2. Projects related to creating advertisements, photo editing, and photo manipulation will be the focus. Discussions about possible career opportunities in graphic design will be integrated into the class.

**Advanced Studio****Grade: 11, 12****Prerequisite: successfully passed 4 semester of Art****Credit: ½ per semester**

This class will provide serious art students instruction in black and white photography, digital photography, glass work, silk screen, and pottery wheel. Students will also be allowed time to develop their own interests in more depth with their medium choice. This may be taken concurrently with independent art study.

**Band****Grade: 9, 10, 11, 12****Prerequisites: Previous instrument study and / or consent of director****Credit: 1 per year**

Marching Band performs throughout the year, with the primary focus during September and October. It performs in such events as football games, parades, and other related invitational events. Students are taught basic marching fundamentals including visual and audio commands, posture, physical, and mental coordination, teamwork, and the development of a positive self image.

Concert band is a year-long (2 semester) organization, performing primarily from November through May, and specializes in traditional as well as contemporary band literature. Emphasis is placed on technical, expressive, and artistic selections. The band presents 2-3 major concerts per year; IHSA organizational contest; commencement. When able, the band may perform outside the school environment such as board approved trips. Selected advanced students may elect to perform in various other activities, which include, but are not limited to: solo/ensemble contest, IMEA festivals, and honor band.

Pep Band utilizes all members of the concert band and performs at selected boys' and girls' basketball games.

**Jazz Band****Grade: 9, 10, 11, 12****Prerequisite: Previous instrument study, instrument needs, and / or consent of director****Credit: ¼ per year**

Jazz Band is an elective course, designed to teach students the fundamentals of jazz literature and the correlation with standard classical music. Students enrolled in jazz band are required to be active members of the concert band. Membership will be based on instrument needs and, if necessary an audition process. Rehearsals will be held before school, twice a week, during "0" hour.

**Chorus****Grade: 9, 10, 11, 12****Prerequisite: None****Credit: 1 per year**

Chorus is a full year performing group, and is open to anyone in high school who has interest in singing and can match pitch. It is also beneficial that the student have some prior music/vocal experience, although not mandatory. A student should be able to demonstrate an ability to read music, or have the desire to learn. Students will gain knowledge in the fundamentals of singing as a vocal ensemble, vocal techniques, proper breathing, diction, sight singing, ear training, rhythm and note reading. The chorus will perform at least two major concerts per year and attendance is a requirement for these performances. The chorus also performs at community events. As a group or individually, students may attend performances or workshops intended to build vocal skills and music appreciation. Individual students may elect to participate in other music events, such as IHSA solo/ensemble contest, and IMEA festivals.

**Show Choir****Grade: 9, 10, 11, 12****Prerequisite: Audition and concurrent enrollment in High School Chorus****Credit: ¼ per year**

Show choir members are selected through an audition process which is conducted in the spring for the following year. Students will further their knowledge of the fundamental of singing as an ensemble and the fundamentals of choreography. The group performs in 2-3 major concerts per year. Other events include singing for various community functions, show choir festivals, and possible touring of area schools. Rehearsals will be held before school, twice a week, during "0" hour.

**Music Appreciation****Grade: 9, 10, 11, 12****Prerequisite: None****Credit: ½ per semester**

Music Appreciation is a basic course in music that will focus on many different elements of music, musical forms, musical styles, periods of music history, and extensive listening to different styles of music and variety of music making activities. This course is designed to increase the student's appreciation and knowledge of music.

**Music Theory****Grade: 9, 10, 11, 12****Prerequisite: None, but basic knowledge and interest in music advantageous****Credit: ½ per semester**

Music Theory is a class that deals with how music works. It examines the language and notation of music. In general, it is the study of music, and therefore, the components of how it is made, such as note quality, note duration, the way notes related to one another, tempo (speed), rhythm, etc. It also identifies the way patterns that govern composers' techniques for writing music. At the end of the course, students will be confident enough to compose simple music selections.

# FOREIGN LANGUAGE

## **French I**

**Prerequisite: None**

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

**Credit: 1 per year**

Conversational and practical French are presented with basic grammar and vocabulary. Conversational and pronunciation skills are emphasized. Aspects of French culture, including school systems, pop-culture, and everyday life are presented. Cultural focus remains particularly on Paris, and other large cities.

## **French II**

**Prerequisite: French I**

**Grade: 10, 11, 12**

**Credit: 1 per year**

Fundamentals of grammar, vocabulary, and conversation are continued with greater emphasis on fluency. Advanced grammar instruction is included along with broadened vocabulary. Conversational and reading skills are emphasized. Some topics in French history will be addressed, along with greater detail of French geography and culture. Cultural focus broadens to include French-speaking nations of the world and individual French provinces.

## **French III**

**Prerequisite: French I and French II**

**Grade: 11, 12**

**Credit: 1 per year**

Conversational and practical French are perfected while exploring the history of France from the prehistoric cave paintings of Lascaux through the Middle Ages, the French Monarchy, to Revolution and Democracy. This course will be presented almost entirely in the target language.

## **French IV**

**Prerequisite: French I and French II and French III**

**Grade: 12**

**Credit: 1 per year**

Practical French is practiced while exploring French literature and poetry from authors such as Victor Hugo, Alexander Dumas, Gaston Leroux, and Sampe Goscinny. The primary focus will be on reading for comprehension and discussion. This course will be presented almost entirely in the target language.

**Spanish I** **Grade: 9, 10, 11, 12**  
**Prerequisite: None** **Credit: 1 per year**  
Textbook and workbook for Juntos Uno. Written and oral work in areas of grammar, reading, writing, culture, speaking, and listening. Lots of conversations and some computer work.

**Spanish II** **Grade: 10, 11, 12**  
**Prerequisite: Spanish I** **Credit: 1 per year**  
Textbook and workbook Juntos Dos. Written and oral work in areas of reading, writing, grammar, culture, vocabulary, speaking, and listening. Lots of conversation and computer work.

**Spanish III** **Grade: 11, 12**  
**Prerequisite: Spanish I and Spanish II** **Credit: 1 per year**  
Increased vocabulary base, advanced conversational and listening skills, business terms, Spanish and Latin American literature through short stories and poetry, Spanish and Latin American history. English words with Spanish roots, writing your own stories and poems in Spanish. Class conducted entirely in Spanish.

**Spanish IV** **Grade: 12**  
**Prerequisite: Spanish I, Spanish II and Spanish III** **Credit: 1 per year**  
High vocabulary level, conversational and listening skills increased, Spanish and Latin American literature through novels, including Don Quixote, Spanish and Latin American history, practice Spanish college level achievement/placement testing. Class conducted entirely in Spanish.

**Educational Travel** **Grade: 10, 11, 12**  
**Prerequisite: will vary by foreign language** **Credit: ½ non-GPA**  
**Department. Contact your foreign language teacher**  
Offered every other year to students who meet the criteria of the department. Requirements are pending board approval. Spanish students will travel to Costa Rica in the summer of 2011. French students will travel to Europe in the summer of 2011. Both groups use EF Tours, available online at [eftours.com](http://eftours.com)

## **FRESHMEN SEMINAR**

### **Freshmen Seminar**

**Grade: 9**

### **Freshmen Requirement**

**Credit: 1 per year**

This is a year long course that is required for all freshmen. The course is designed to teach such skills as organization, time management, human relations, computer literacy, career exploration and college preparation. Team building and cooperative learning will also be taught during this course.

# HEALTH

## **Health**

**Grade: 9**

### **Graduation Requirement**

**Credit: ½ per semester**

The major focus will be on total wellness - - physical, mental, and social. Course content areas are abstinence, fitness, emotional and mental health, AIDS and other STD's, common communicable diseases, managing stress, goal setting, cancer prevention, health occupations, tobacco-alcohol-drug abuse, violence, nutrition, and injury prevention. Grade determinants: tests, class participation, quizzes, and homework. Course supplements: audiovisual materials, professional speakers, and county health professionals.

# LANGUAGE ARTS

## **English I**

**Grade: 9**

**Prerequisite: None**

**Credit: 1 per year**

This class is a basic introduction to high School English. Areas to be covered include short stories, poetry, drama, and novels. Vocabulary and grammar will be ongoing throughout the year. Students will develop basic writing skills/modes (narrative, descriptive, expository, and persuasive). Students will write a variety of essays based on the literature.

## **English II**

**Grade: 10**

**Prerequisite: Passing one credit of English I**

**Credit: 1 per year**

In English II students will be introduced to the research process and will be required to produce a research paper. An in-depth study of novels will continue and students will be introduced to non-fiction. Vocabulary, grammar, and composition will be studied in conjunction with literature. The communication process will also be included in this course of study.

## **College Prep English II**

**Grade: 10**

**Prerequisite: Grade of A or B in English I**

**Credit: 1 per year**

The material covered will be comparable to English II but will be intensified and geared to prepare students for college. There will be more writing and more vocabulary work as well as intensified grammar studies.

Any student receiving below a "C" average at semester will be dropped and added to regular English II.

## **English III**

**Grade: 11**

**Prerequisite: Passing three credits of English**

**Credit: 1 per year**

In this course students will read and analyze various novels and write essays based on these analyses. Emphasis centers upon the importance of reading and critical thinking. Vocabulary, grammar, and composition will be emphasized throughout the year. Students shall conduct a major research project.

## **College Prep English III**

**Grade: 11**

**Prerequisite: Grade of A or B in English II**

**Credit: 1 per year**

This course is a study of American Literature from its infancy until contemporary times. Examples of fiction, non-fiction, poetry, and drama written by significant American authors are studied. Students will pursue a concentrated study of the basic forms of writing in additions to producing a major research paper. Other skills this class will promote are increased vocabulary, speech communications, and grammar usage.

**Speech****Prerequisite: None****Grade: 11, 12****Credit: ½ per semester**

Student will learn the fundamentals of public speaking with the focus on gaining confidence and improving vocabulary. Students will get experience giving informative, persuasive, and impromptu speeches as well as the possibility of a debate. Critical thinking and listening are required and class participation is a must.

**Film as Literature****Prerequisite: None****Grade: 11, 12****Credit: ½ per semester**

In this semester long course students will study film as a form of literature. We will examine the traditional elements of plot, setting, theme, conflict, and characterization, but we will also explore film elements such as cinematography, special effects, music, lighting, casting, etc. Students will view films with a critical eye to determine how they work and with a literary eye to determine their message. We will also briefly touch on the use of film as history. Grades will be based on class discussions, quizzes on elements of the film and literature, and essays that analyze both the mechanical and literary aspects of the films. There will be out-of-class viewing assignments as well. Class attendance is paramount since so much of our time is spent viewing film. Videos may not be taken home for make-up work.

**Creative Writing****Prerequisite: None****Grade: 11, 12****Credit: ½ per semester**

This is a semester long course in which students will explore various styles of fictional writing (the narrative, short stories, poetry, etc.) and the elements used in their construction. We will also explore other styles such as fairy tales and Arthurian legends, each of which we will explore in-depth. Students will experiment with producing their own tales in each area of study.

**Classical Mythology****Prerequisite: None****Grade: 11, 12****Credit: ½ per semester**

This is a semester-long class in which students will study major Greek and Roman myths. Students will examine not only the origins of the classic myths but also aspects such as the present day influence of mythology.

**Short Stories****Prerequisite: None****Grade: 11, 12****Credit: ½ per semester**

In this semester-long course students will study the works of authors such as Edgar Allan Poe, Shirley Jackson, Kate Chopin, Truman Capote, and Sir Arthur Conan Doyle. In addition to the traditional elements of fiction such as plot, character, and theme, students will examine other elements such as point of view, symbol and irony, emotion and humor, and fantasy in both escape literature and interpretive literature. Students will study the techniques involved in the construction of short stories and will try their hand at writing one of their own.

**Communications 111****Grade: 12****Prerequisite: COM 099 & RDG 099 or appropriate scores**      **Credit: ½ per semester**

The first course in a two-semester sequence of English composition, this course introduces students to academic writing as a process of developing and supporting a thesis in an organized essay. Course topics include methods of invention, development, and organization; the elements of style, including the conventions of standard written English; and an introduction to research and documentation. Students write expository and argumentative essays based on analytical reading and critical thinking.

**Communications 112****Grade: 12****Prerequisite: COM 111 with a grade of C or better; placement testing****Credit: ½ per semester**

This course is designed to enhance and deepen the critical skills of argumentation and academic writing introduced in Composition 111. Students continue to write essays that demonstrate their ability to analyze and evaluate the ideas of others and integrate them into their own writing. The course reinforces student experience with the conventions of standard written English and the conventions of documentation while developing student ability to conduct research and present research findings in an ethical, accurate, and critical manner.

**Intro to Literature: The Novel Lit. 111****Grade: 12****Prerequisite: None****Credit: ½ per semester**

This course is an introduction to the critical study of the novel through the close examination of several selected novels. Students will study not only the traditional elements of fiction as they apply to the novel, but also other aspects such as the origin and historical development of the novel and how the author's life impacts his/her work. Student writing will be comprised of literary analysis.

# MATHEMATICS

## **Pre-Algebra**

**Grade: 9**

**Prerequisite: Freshmen who have a D average or below in 8<sup>th</sup> grade**

**Credit: 1 per year**

This course is designed for students who need the basic skills required for Algebra I. Topics covered will include order of operations with real numbers, properties of equality, variables, solving equations and inequalities, and graphing equations. A review of fractions, decimals, integers, and percents will also be covered. Basic geometry concepts will also be introduced.

## **Algebra I**

**Grade: 9, 10**

**Prerequisite: Freshman with C average or above in 8<sup>th</sup> grade or Sophomores who passed Pre-Algebra**

**Credit: 1 per year**

This course contains the standard topics for the beginnings of Algebra. Topics covered will be signed numbers, solving equations, polynomials, inequalities and graphing, as well as quadratics, rational numbers and radical numbers

## **Geometry**

**Grade: 9, 10, 11**

**Prerequisite: Algebra I**

**Credit: 1 per year**

This course provides the fundamentals of points, lines, planes, and angles. We will cover proofs, congruent polygons, coordinate geometry, basic trigonometry, and transformations. Algebraic skills are reviewed and strengthened as they are applied to geometric situations.

## **Algebra II**

**Grade: 10, 11, 12**

**Prerequisite: Algebra I and Geometry (passed or enrolled)**

**Credit: 1 per year**

This course reviews concepts covered in Algebra I, but more in-depth. Also covered will be exponentials, logarithms, polynomials, cones, imaginary numbers, rectangular and polar coordinates, functions, vectors, matrices, and introduction to trigonometry.

## **Technical Mathematics / ACT Prep**

**Grade: 11, 12**

**Prerequisite: Geometry**

**Credit: 1 per year**

This course is designed for students who are going on to a trade school and for those students who need help preparing for the ACT. Topics covered in this class will include but are not limited to conversions, review of algebra, linear functions, quadratics, exponentials, logarithms, basic statistics, trigonometry, area, perimeter, surface area and volume. This class is also designed to teach test taking strategies for the ACT as well as reviewing the math concepts for the ACT, and work keys. There is also a section designed to help students transition into college or careers by applying math to real world applications.

**College Algebra / Trigonometry****Grade: 11, 12****Prerequisite: Algebra II****Credit: 1 per year**

This is a dual credit course through Lincoln Land Community College. This course is presented as a functional approach to the algebra of the real number system. College algebra topics of this course include (but are not limited to) the following: graphs and functions; equations and inequalities; polynomials and rational functions; exponential and logarithmic functions; systems of equations and matrices; conic sections and sequences and series.

This course is a functional approach to the study and application of the fundamental concepts of trigonometry. Trigonometric topics of this course include (but are not limited to) the following: trigonometric definitions and function; properties of trigonometric functions; trigonometric equations and identities; and applications of trigonometry.

**Statistics****Grade: 12****Prerequisite: Successfully completed Algebra II with C or better** **Credit: ½ per semester**  
**Cannot be taken concurrently with Algebra II**

This introductory course in statistics focuses on statistical reasoning and its use in solving real-world problems and in interpreting results reported in journals and through popular media. The content includes the following: basic descriptive statistics, basic probability theory, random variables and probability distributions, sampling distributions for statistics, statistical inferences involving confidence interval estimation and hypotheses testing for means, standard deviations and proportions, correlation and regression.

**Calculus****Grade: 12****Prerequisite: College Algebra / Trigonometry****Credit: ½ per semester**

This is a dual credit course through Lincoln Land Community College. Topics may include (but not limited to): limits and continuity; definition of derivative; derivatives of polynomial and rational functions; the chain rule; implicit differentiation; approximation by differentials; higher order derivatives; Rolle's Theorem; Mean Value Theorem; derivative applications; anti-derivatives; definite integrals; the Fundamental Theorem of Calculus; area, volume, and other applications of the integral.

# PHYSICAL EDUCATION

## **Activities Physical Education**

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

### **Prerequisite: None**

**Credit: 1 per year**

This course provides elementary through advanced physical skills in a variety of organized games and activities. Building social skills including sportsmanship are also a priority of this physical education class. Grades are based on effort, attitude and participation. A short written test will also be given over each sport / activity in which the student participates. Activities will include basketball, dance, badminton and a variety of other organized sports and activities. This course will also include beginning level fitness activities to include light jogging, walking, pilates, and kickboxing. Students will be required to dress in the approved physical education uniform on a daily basis.

## **Fitness Physical Education**

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

### **Prerequisite: None**

**Credit: 1 per year**

This course will provide a weight lifting program, plyometric and agility training and cardiovascular activities. This course is designed to improve the overall health and fitness for the student athlete or any student serious about lifetime fitness. Individual goal setting and personal responsibility will also be stressed. Grades are based on effort, attitude, and participation. Students will be required to dress in the approved physical education uniform on a daily basis.

## **Recreational Physical Education**

**Grade: 12**

### **Prerequisite: None**

**Credit: 1 per year**

This course will provide students with the knowledge and physical ability to participate in a variety of lifetime activities. These activities include bocce ball, archery, and washers. Grades are based on effort, attitude, and participation. A short written test will be given over selected activities that will average into a final grade. Students are not required to dress in the approved physical education uniform.

## **JUNIORS AND SENIORS ONLY**

**All students must take physical education unless excused for marching band, medical/religious reasons, or because of:**

1. unsolvable schedule conflicts.
2. excused to enroll in academic classes **REQUIRED FOR ADMISSION** to an institution of higher learning.
3. to enroll in academic classes which are **REQUIRED FOR GRADUATION** from high school **PROVIDED** that failure to take such class will result in the pupil being unable to graduate.
4. or are participating in a Varsity Sport and have no scheduled study hall.

# SCIENCE

## **Physical Science**

**Grade: 9**

### **Freshmen Requirement**

**Credit: ½ per semester**

This course serves as an introductory or college preparatory course to provide a firm foundation in the physical sciences. Students will study the nature of matter and the properties of the elements. Units included chemical reactions, motion & forces, heat transfer, waves, and forms of energy. This course work will include labs in both physics and chemistry, allowing students to utilize and become competent in many lab techniques.

## **Earth and Space Science**

**Grade: 9**

### **Freshmen Requirement**

**Credit: ½ per semester**

Earth science will cover areas that include, but are not limited to Earth's history, plate tectonics, weather and weathering, rocks and minerals, and earth's resources. The space units will focus on our own solar system, then branch out to our galaxy and beyond as we discover the latest findings at the farthest reaches of our universe.

## **Life Science**

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

### **Prerequisite: None**

**Credit: 1 per year**

This course is designed as a basic introduction to biology for the student who may or may not be interested in continuing his/her education in the sciences. It is intended as an alternative to Biology I for the year of life science requirement. Topics include the study of plants and animals, human systems, the environment and ecology. Students will work with preserved specimens to increase understanding of classifications and systems.

## **Biology I**

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

### **Prerequisite: grade of A or B in 8<sup>th</sup> grade or completion of Physical Science or concurrent with Physical Science**

**Credit: 1 per year**

Biology I is the first half of a two year study of the various topics in the life sciences. Topics include biological principals, cell structure, scientific method, ecology, genetics, and evolution. Students will learn basic laboratory skills, which includes the use of a microscope.

## **Environmental Science**

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

### **Prerequisite: Physical Science / Earth Science or concurrent**

**Credit: 1 per year**

Environmental science explores the many ways that humans interact with limited resources and the challenges of our planet Earth. From pumping oil and digging coal, planting tremendous fields of crops, and fishing widely across our oceans, we harvest more and more. Over the past 50 years, the human population had doubled. Can we continue to grow? What does this mean for our future? What does this mean for our climate? Environmental science weaves biology,

politics, and earth sciences into a subject straight out of our headlines and national and international debates. Coursework includes contemporary articles and discussions.

## **Biology II**

**Grade: 10, 11, 12**

**Prerequisite – grade of C or better in Biology I**

**Credit: 1 per year**

Biology II is an extension of Biology I. It includes taxonomy and classification, microbiology, fungi, botany, the animal kingdom, and the major systems of the human body. The lab work for this course includes many dissections.

## **Human Anatomy & Physiology**

**Grade: 11, 12**

**Prerequisite: grade of C or better in Biology II**

**Credit: 1 per year**

This course is the study of human body and is aimed for upper level students. The content includes the following organ systems: skeletal, integumentary, muscular, digestive, respiratory, cardiovascular, nervous, endocrine, and reproductive. Lab work includes dissection of various organs such as an eye, brain, and heart, as well as a full cat. A field trip to study cadavers will also be included.

## **Botany**

**Grade: 11, 12**

**Prerequisite: grade of C or better in Biology II**

**Credit: ½ per semester**

This fall course is an in-depth study of plants. It will be taught in lecture format. A leaf collection is required for this course. Students will also do other labs that research growth, reproduction, and tropisms of plants. Research and a power point presentation are also required over a plant of economic importance.

## **Genetics**

**Grade: 11, 12**

**Prerequisite: grade of C or better in Biology II**

**Credit: ½ per semester**

This spring course is an in-depth look at how traits are passed from parent to offspring and also an introduction to biotechnology of DNA. It will study Mendelian genetics using punnett squares, as well as current topics of forensics. A research project and power point presentation of genetic diseases is required.

## **Microbiology**

**Grade: 11, 12**

**Prerequisite: grade of C or better in Biology II**

**Credit: ½ per semester**

This course is an in-depth look at the world of microbes. Students will be identifying bacteria and practicing bacteriological techniques. The emphasis of the course is on lab application which focuses on the study and investigation of bacteria found in/on food, soil, water, milk, the human body, and will include the study of useful microbial activities. Discussions of harmful microorganisms, the diseases and conditions they cause, and the body's resistance and response to such activities are also stressed. It will provide students with the basic techniques for handling equipment and working safely with bacteria.

**Chemistry I****Grade: 10, 11, 12****Prerequisite: Algebra I & two credits in Science****Credit: 1 per year**

This course includes observations, experiments, generalizations, and conclusions about composition of matter, stressing laboratory skills. Topics include: properties of matter, atomic structure, compound formation, chemical reactions, stoichiometry and gas laws. Algebra is frequently used in problem solving. This course is an introductory course designed to prepare the college bound student for college chemistry courses. A calculator is required.

**Chemistry II****Grade: 11, 12****Prerequisite: Chemistry I****Credit: ½ per semester**

This course is an extension of chemistry I. Topics include: liquids and solids, solutions, acids and bases, and chemical equilibrium. This course is designed to prepare the college bound student for college chemistry courses. A calculator is required.

**Physics****Grade: 11, 12****Prerequisite: Algebra II****Credit: 1 per year**

Physics is a science that examines the relationships of matter and energy. This course will focus on mathematical and observational knowledge of the physical world and how it works.

Laboratory work, demonstrations and problem solving will be used to explore the following topics: motion, force, work and energy, momentum and collisions, heat, waves and electricity.

This course is designed to prepare the college bound student for college physics courses.

# SOCIAL STUDIES

## **Social Studies / Geography Freshmen Requirement**

**Grade: 9, 10, 11, 12**  
**Credit: 1 per year**

This course will explore the five major themes of geography and their application to the world. The culture, history, and landscapes of each country will be covered within these themes. Most emphasis will be placed on North America, South America, Western Europe and the emerging nations of Eastern Europe.

## **American Government Sophomore Requirement**

**Grade: 10, 12**  
**Credit: ½ per semester**

Completion of this course with a passing grade will fulfill the state requirement for government. Units in this course presented through reading, lecture, worksheets, and special projects are designed to create a working knowledge of the Illinois and Federal governmental systems and their surrounding environments. United State Constitution will be included in the curriculum.

## **U.S. History Junior Requirement**

**Grade: 11**  
**Credit: 1 per year**

An overview of the chronological events making up the history of the United States. Special emphasis will be placed on causes of and results of these events. The course will cover from 1850's through the present administration through a variety of techniques ranging from reading to special projects.

## **World History Prerequisite: None**

**Grade: 9, 10, 11, 12**  
**Credit: 1 per year**

A general survey of important events in World History which have played a part in the development of today's world and cultures. The general purpose of the course is to develop within students a sense of historical perspective; the ability to realize the importance of the events as they happen in today's world and to help students recognize the interrelationships between events so that they more clearly understand cause and effect. Special emphasis on developing note-taking, writing, map, and research skills.

## **Illinois History Prerequisite: None**

**Grade: 9, 10, 11, 12**  
**Credit: ½ per semester**

This course will begin with the settlement of the Northwest Territory, focusing on the life in the Illinois area. History of the formation of the state will be presented with a focus on local history as well. Students will learn to utilize local resources in researching historical information about both our state and their area, and will learn the important role Illinois has played in the development of the United States from its beginnings as a territory, through the Civil War to the present day.

**World War II History****Grade: 9, 10, 11, 12****Prerequisite: None****Credit: ½ per semester**

This course will explore every aspect of World War II, from Pearl Harbor to Hiroshima/Nagasaki. All fronts of the war, European, African, and Asian will be discussed along with American wartime society. There will be character profiles of the major players in the war, and the Holocaust will also be discussed. Students will learn the causes and effects of the war and how it has affected the world to present day.

**African-American History****Grade: 9, 10, 11, 12****Prerequisite: None****Credit: ½ per semester**

Students will explore the origins of slavery in the U.S., slavery in the Deep South, Abolition movement, and many famous African-Americans in our nation's history. The time period will scan from the early 1600's to the present.

**Women in History****Grade: 9, 10, 11, 12****Prerequisite: None****Credit: ½ per semester**

This course will be largely topical in a lecture and discussion format. The contributions of women to the history of the world will be explored from Catherine the Great to Pocahontas, Marie Antoinette to Eleanor Roosevelt. Other topics to be discussed may include women's suffrage, women's contributions to the home, and contemporary women making the news.

**Cold War****Grade: 9, 10, 11, 12****Prerequisite: None****Credit: ½ per semester**

This course focuses on the Cold War which occurred after WWII and pitted the U.S. against the USSR in a test of wills and ideologies. Special attention will be paid to the major events of the period. These events include the Korean War, the Cuban Missile Crisis, the Berlin Blockade and Wall, the Vietnam War and the collapse of the Soviet Union and the reunification of Germany.

**Military History****Grade: 11, 12****Prerequisite: None****Credit: ½ per semester**

This course is an overview of military history from ancient times to the present. The course will focus on how military campaigns and leaders have shaped the course of history. A special emphasis is on global conflicts like the Crusades, the French-Indian War, World War I and World War II, and the Cold War that followed. The course will also teach students how weapons have changed the nature of warfare and how weapons have made war more dangerous.

**20<sup>th</sup> Century American History****Grade: 11, 12****Prerequisite: None****Credit: ½ per semester**

This course will cover early race riots, Progressivism, World War I, the Great Depression, World War II, the Korean War, Cold War, Civil Rights, Vietnam War, and events from the 1970's to the present. Assignments will consist of homework, quizzes, tests, papers, and projects.

**Psychology****Grade: 11, 12****Prerequisite: None****Credit: 1 per year**

This course is geared to the college bound student and is designed to provide the student with a background for the entry-level college psychology class. This class will cover the major concepts and theories which have influenced modern psychology. The student will become aware of the roles that biology, culture, and personal experiences play in shaping our personalities. Evaluation will be based on class participation, homework, quizzes, tests, research projects and presentations.

**Psychology of Women****Grade: 11, 12****Prerequisite: None****Credit: ½ per semester**

Psychology of women is designed for the student who is interested in learning more about the unique development of women's personalities and behaviors. Students will become aware of the roles that biology, culture and personal experiences play in this development. Evaluation will be based on participation, homework, quizzes, tests, projects, and presentations.

**Economic and Current Events****Grade: 11, 12****Prerequisite: None****Credit: ½ per semester**

Economics is the study of how scarce resources are allocated. The way people react to scarcity is studied through the use of economic models. Areas of study include the history of economic thought, current economic thought, current economic dilemmas, and macro and microeconomics. Current event is designed to assist students in exploring various sources and researching contemporary issues that affect our world.

**Sociology****Grade: 11, 12****Prerequisite: None****Credit: 1 per year**

This is an introductory course into the study of sociology. This class will offer broad coverage of the major principles and concepts in sociology with examples and illustrations drawn for both non-literate and advanced societies with special emphasis being placed on the American social system, rising from the interactions of the groups. Emphasis will be placed on the concept of socialization, social interaction, social organization, culture, social institutions, and applies sociological principles. Requirements will include but not be limited to chapter projects and advanced written reports.

## ON-LINE COURSES

### **On-Line Course**

**Grade: 11, 12**

**Prerequisite: Approval of Counselor and / or Principal**

**Credit: ½ per semester**

In online courses through Lincoln Land Community College students interact with their instructor and classmates through the Internet. Usually no campus visits are required. Students who take an online class will read lectures, submit assignments, take quizzes, and do other course activities online. Students are required to complete work each week, therefore time-management, self-motivation and self-discipline are essential.

Online students are expected to have good reading, writing, and study skills. Students must keep up with the class reading; must meet assignment deadlines; and must read assignments and directions carefully. Online students should have good computer and Internet skills. Students should feel comfortable using a browser, know how to save files from the Internet to a local computer, and then open them using a different software program. Students will be assigned a class period per course and computer access in the media center.

The student is responsible for all fees and requirements needed to complete the course.

## **CORRESPONDENCE COURSE**

### **Correspondence Courses**

**Grade: 12**

**Prerequisite: Permission form on file in guidance office**

**Credit: Varies**

Correspondence courses are high school equivalent classes that a student would take through the mail. If a student has failed a required class, this class can be made up through correspondence. [Please note: this type of education should not be confused with summer school.] If a student is a senior and wants to take a class that is not offered by our high school, they may take a correspondence class. The student shall request the class or possible offerings from the guidance office. A permission sheet will then be filled out and placed on file in the guidance office. The student is then responsible for all fees and requirements needed to complete the course. The end result will be the university sending the grade and credit obtained from completing the class to the high school. The grade and credit will then be added to the student's transcript. PLEASE NOTE: ONLY 2 CREDITS CAN BE ACCEPTED TOWARDS GRADUATION.

## WORK SKILLS

### **Work Skills**

**Grade: 12**

**Prerequisite: students must be accepted through the application process & have an employment position**

**Credit: 3 per year**

The objective of this program is to offer students the opportunity to gain on the job experience and a better understanding of the workplace skills necessary to be successful in the workplace, regardless of future educational goals.

Students are required to meet with the assigned supervisor weekly before school.

# NCAA CLEARINGHOUSE ELIGIBILITY

## **DIVISION I**

If you want to participated in athletics or receive an athletics scholarship during your first year, you must:

- 1) Graduate from High School
- 2) Complete these 16 core courses:
  - ❖ 4 years of English
  - ❖ 3 years of Math (Algebra I or higher)
  - ❖ 2 years of Natural or Physical Science (including one year of lab science if offered by your high school)
  - ❖ 1 extra year of English, Math, or Natural or Physical Science
  - ❖ 2 years of Social Science
  - ❖ 4 years of extra core courses (from any category above, or foreign language, nondoctrinal religion or philosophy)
- 3) Earn a minimum required grade-point average in your core courses: and
- 4) Earn a combined SAT or ACT sum score that matches your core-course grade-point average and test score sliding scale (for example, a 2,400 core-course grade-point average needs an 860 SAT)

## **DIVISION II**

If you enroll in a Division II college and want to participated in athletics or receive an athletics scholarship during your first year, you must:

- 1) Graduate from High School
- 2) Complete these 14 core courses:
  - ❖ 3 years of English
  - ❖ 2 years of Math (Algebra I or higher)
  - ❖ 2 years of Natural or Physical Science (including one year of lab science if offered by your high school)
  - ❖ 2 additional years of English, Math, or Natural or Physical Science
  - ❖ 2 years of Social Science
  - ❖ 3 years of extra core courses (from any category above, or foreign language, nondoctrinal religion or philosophy)
- 3) Earn a 2,00 grade-point average or better in your core courses, and;
- 4) Earn a combined SAT score of 820 or an ACT sum score of 68

## **DIVISION III**

Division III does not use the Eligibility Center. Contact your Division III College or University regarding its policies on admission, financial aid, practice and competition.

**FOR MORE INFORMATION ON NCAA ELIGIBILITY – See NCAA.ORG**

# **NORTH MAC HIGH SCHOOL**

## **PLANNING GUIDE**

**2010 – 2011**

**NORTH MAC HIGH SCHOOL -- REGISTRATION**  
**FRESHMAN – CLASS of 2014**  
**2010 – 2011 school year**

<u>REQUIRED</u>	<u>ELECTIVE</u>
<u>PHYSICAL EDUCATION</u> Activities Physical Education Fitness Physical Education	Introduction to the Agriculture Industry
<u>ENGLISH</u> English I	Keyboarding and Document Formatting I Basic Business
<u>MATHEMATICS</u> Pre-Algebra Algebra I Geometry	Driver Education This is only for those eligible 14 years old before June 1, 1996
<u>SCIENCE</u> Physical Science / Earth and Space Science	Art 01 Art 02 Art 03 Art 04
<u>FRESHMEN SEMINAR</u>	Band Jazz Band Chorus Show Choir Music Appreciation Music Theory
<u>SOCIAL STUDIES/GEOGRAPHY</u>	French I Spanish I
<u>HEALTH</u>	Orientation to Family and Consumer Science
<u>ELECTIVE</u>	Life Science Biology I Environmental Science
	African-American History Illinois History Women in History World History World War II History Cold War
	Study Hall

**NORTH MAC HIGH SCHOOL REGISTRATION**  
**SOPHOMORE – CLASS of 2013**  
**2010 - 2011 school year**

**REQUIRED**

**PHYSICAL EDUCATION**

Activities Physical Education  
 Fitness Physical Education

**ENGLISH**

College Prep English II  
 English II

**MATHEMATICS**

Algebra I  
 Geometry  
 Algebra II

**SCIENCE**

Life Science  
 Biology I  
 Environmental Science  
 Biology II  
 Chemistry I

**AMERICAN GOVERNMENT**

**ELECTIVE**

**ELECTIVE**

**ELECTIVE**

Keyboarding and Document Formatting I  
 Keyboarding and Document Formatting II  
 Desktop Publishing  
 Basic Business  
 Personal and Business Law

Driver Education  
 This is only for those eligible  
 14 years old before June 1, 1996

Art 01  
 Art 02  
 Art 03  
 Art 04

Band  
 Jazz Band  
 Chorus  
 Show Choir  
 Music Appreciation  
 Music Theory

French I  
 French II  
 Spanish I  
 Spanish II

Orientation to Family and Consumer Science  
 Fashion Merchandising  
 Child Development

Social Studies / Geography  
 World History  
 Illinois History  
 World War II History  
 African-American History  
 Women In History  
 Cold War

Study Hall

**NORTH MAC HIGH SCHOOL**  
**JUNIOR – CLASS of 2012**  
**2010 – 2011 school year**

<u>REQUIRED</u>	<u>ELECTIVE</u>	<u>ELECTIVE</u>
<p><b><u>PHYSICAL EDUCATION</u></b>            Activities Physical Education            Fitness Physical Education</p> <p><b><u>ENGLISH</u></b>            College Prep English III            English III</p> <p><b><u>AMERICAN HISTORY</u></b>            U.S. History</p> <p><b><u>MATHEMATICS</u></b>            Geometry            Algebra II            Technical Mathematics / ACT Prep            College Algebra / Trigonometry</p> <p><b><u>CONSUMER EDUCATION</u></b></p> <p><b><u>ELECTIVE</u></b></p> <p><b><u>ELECTIVE</u></b></p>	<p>Keyboarding and Document Formatting I            Keyboarding and Document Formatting II            Desktop Publishing            Video Production            Computer Programming            Advance Computer Applications            Web Design            Accounting I            Basic Business            Personal and Business Law            Sports and Entertainment Marketing</p> <p>CACC</p> <p>Driver Education            This is only for those eligible            14 years old before June 1, 1996</p> <p>Art 01            Art 02            Art 03            Art 04            Adobe Photo Shop            Advanced Studio</p> <p>Band            Jazz Band            Chorus            Show Choir            Music Appreciation            Music Theory</p> <p>French I            French II            French III            Spanish I            Spanish II            Spanish III</p> <p>Fashion Merchandising            Child Development            Food and Nutrition I            Food and Nutrition II            Adult Living            Parenting</p>	<p>Speech            Film as Literature            Creative Writing            Classical Mythology            Short Stories</p> <p>Life Science            Biology I            Environmental Science            Biology II            Human Anatomy and Physiology            Botany            Genetics            Microbiology            Chemistry I            Chemistry II            Physics</p> <p>World History            Psychology            Psychology of Women            Economics            Sociology            Illinois History            World War II History            African-American History            Women In History            Cold War            Military History            20<sup>th</sup> Century American History            Social Studies / Geography</p> <p>On-Line Courses</p> <p>Study Hall</p>

**NORTH MAC HIGH SCHOOL REGISTRATION**  
**SENIOR – CLASS of 2011**  
**2010 – 2011 school year**

<u>REQUIRED</u>	<u>ELECTIVE</u>	<u>ELECTIVE</u>
<p><b><u>PHYSICAL EDUCATION</u></b>            Activities Physical Education            Fitness Physical Education            Recreational Physical Education</p> <p><b><u>ENGLISH</u></b>            Speech            Film as Literature            Creative Writing            Classical Mythology            Short Stories            Communications 111            Communications 112            Intro to Literature: The Novel Lit. 111</p> <p><b><u>CONSUMER EDUCATION</u></b></p> <p><b><u>ELECTIVE</u></b></p> <p><b><u>ELECTIVE</u></b></p> <p><b><u>ELECTIVE</u></b></p> <p><b><u>ELECTIVE</u></b></p>	<p>Keyboarding and Document Formatting I            Keyboarding and Document Formatting II            Desktop Publishing            Video Production            Computer Programming            Advance Computer Applications            Web Design            Accounting I            Accounting II            Basic Business            Personal and Business Law            Sports and Entertainment Marketing</p> <p>CACC</p> <p>Driver Education            This is only for those eligible            14 years old before June 1, 1996</p> <p>Art 01            Art 02            Art 03            Art 04            Adobe Photo Shop            Advanced Studio</p> <p>Band            Jazz Band            Chorus            Show Choir            Music Appreciation            Music Theory</p> <p>French I            French II            French III            French IV            Spanish I            Spanish II            Spanish III            Spanish IV</p>	<p>Algebra II            Technical Mathematics / ACT Prep            College Algebra / Trigonometry            Statistics            Calculus</p> <p>Life Science            Biology I            Environmental Science            Biology II            Human Anatomy and Physiology            Botany            Genetics            Microbiology            Chemistry I            Chemistry II            Physics</p> <p>World History            Psychology            Economics            Sociology            Illinois History            World War II History            African-American History            Women In History            Cold War            Military History            20<sup>th</sup> Century American History            Psychology of Women</p> <p>Fashion Merchandising            Child Development            Food and Nutrition I            Food and Nutrition II            Adult Living            Parenting</p> <p>On-Line Courses</p> <p>Work Skills</p> <p>Correspondence Courses</p> <p>Study Hall</p>

# NORTH MAC HIGH SCHOOL COURSEWORK PLANNING GUIDE

<u>ENGLISH</u> <u>4 years</u> (YEAR COURSES)	<u>MATHEMATICS</u> <u>3 years</u> (YEAR COURSES)	<u>SCIENCE</u> <u>3 years</u> (YEAR COURSES)
English I English II College Prep English II English III College Prep English III Speech Film as Literature Creative Writing Classical Mythology Short Stories Communications III Communications 112 Intro to Literature: The Novel Lit. 111	Pre-Algebra Algebra I Geometry Algebra II Technical Mathematics / ACT Prep College Algebra / Trigonometry Statistics Calculus	Physical Science / Earth and Space Science Life Science Biology I Environmental Science Biology II Human Anatomy / Physiology Botany Genetics Microbiology Chemistry I Chemistry II Physics

<u>SOCIAL STUDIES</u> <u>3 years</u> (YEAR COURSES)	<u>MUSIC, ART, FOREIGN LANGUAGE VOCATIONAL EDUCATION</u> <u>2 years</u> (YEAR COURSES)	<u>MUSIC, ART, FOREIGN LANGUAGE VOCATIONAL EDUCATION</u> <u>2 years</u> (SEMESTER COURSES)	<u>MISCELLANEOUS</u>
U. S. History World History Sociology Psychology  <div style="text-align: center; color: cyan;"> <u>SOCIAL STUDIES</u>  <u>3 years</u>            (SEMESTER COURSES)         </div> Social Studies / Geography American Government Economics Illinois History World War II History African-American History Women In History Cold War Military History 20 <sup>th</sup> Century American History Psychology of Women	Introduction to the Agriculture Industry  Band Chorus  French I French II French III French IV Spanish I Spanish II Spanish III Spanish IV  Keyboarding and Document Formatting I Keyboarding and Document Formatting II Accounting I Accounting II Basic Business  Orientation to Family & Consumer Science  CACC  On-Line Course  Work Skills	Art 01 Art 02 Art 03 Art 04 Advanced Studio Adobe Photo  Fashion Merchandising Child Development Food and Nutrition I Food and Nutrition II Adult Living Parenting  Desktop Publishing Video Production Computer Programming Advance Computer Applications Web Design Personal and Business Law Sports & Entertainment Marketing  Jazz Band Show Choir Music Appreciation Music Theory	Consumer Education  Driver Education  Freshmen Seminar  Health  Activities Physical Education Fitness Physical Education Recreational Physical Education  Study Hall