

**HARTSBURG-EMDEN C.U.S.D. #21 Curriculum Guide  
2022-2023**

**ENGLISH DEPARTMENT**

Course name: **Speech**

This course is required for graduation.

Prerequisites: None

Recommended grade level: 9

Credit: ½ credit

Course length: 1 semester

Speech is an introduction to public speaking. In this course you will learn about various types of speeches, how to effectively give them, and how to become not only a great orator, but also a fantastic audience member. This course will have you using things like speech notes, note cards, outlines, and visual aides to help you give your speech. By the end of this course you should have no problems getting up in front of people and talking, or knowing when to pay attention and listen to someone talking.

Course name: **English I**

This course is required for graduation.

Prerequisites: None

Recommended grade level: 9

Credit: ½ credit

Course length: 1 semester

This course meets one semester requirement of intensive writing. In this course students will read and write about various literary movements and authors in American Literature. Students will be exposed to an array of diverse voices and types of literature including, but not limited to: essays, novels, short stories, and poetry.

Course name: **English II**

This course is required for graduation.

Recommended grade level: 10

Prerequisites: English I

Credit: 1 credit

Course length: 1 year

This course meets two semester requirement of intensive writing. This is a literature and writing intensive course. Students will read and write about various short stories, essays, memoirs, poems, and novels to not only understand and appreciate literature, but also develop 21st century reading and writing skills.

Course name: **Composition**

Prerequisites: English II

Recommended grade level: 11 or 12

Credit: 1 credit

Course length: 1 year

This course meets two semester requirement of intensive writing. Students will develop procedures for how to compose particular types of writing such as argument, expository, narrative, and analysis. Writers will create clear and focused goals for their compositions while breaking down the writing process into manageable tasks. In addition, students will strengthen their grammar and mechanics skills through lessons that focus on various aspects and usage of the English language that help develop 21st century writing and research skills such as critical thinking, collaboration, and media and technology literacy.

Course name: **Literature**

Prerequisites: English II

Recommended grade level: 11 or 12

Credit earned: 1 credit

Course length: 1 year

In this course, students will read and write about various Literary movements, authors, and genres. Students will be exposed to an array of diverse voices and types of literature including, but not limited to: essays, novels, short stories, and poetry.

Course name: **Film as Literature**

Prerequisites: English I

Recommended grade level: 10 (with teacher recommendation), 11, 12

Credit earned: ½ credit

Course length: 1 semester

Film as Literature is a course in which film adaptations of classic literature will be watched, discussed, and analyzed. Thereby giving students a reference point to classic novels they may have heard about, but not read. While the primary focus of this course will be to analyze the film, there may be times that we look at and analyze the novel as well to create a comparison, or to understand theatrical choice.

Course name: **Creative Writing**

Prerequisites: English I

Recommended grade level: 10 (with teacher recommendation), 11, 12

Credit earned: ½ credit

Course length: 1 semester

This course meets one semester requirement of intensive writing. Creative writing is designed to help students' inner imagination and wordsmith come alive. Students will be exposed to various types of creative writing such as poetry, short stories, ballads, and creative non-fiction. Students will not only learn how the written word can come alive, but also various techniques to accomplish the goals they set for themselves in terms of their own writing. In addition, students will learn how to improve, evaluate, critique, and give positive feedback on pieces of creative writing as well.

Course name: **Journalism I**

Note: \*This is an elective course. It does not count towards the English/Language Arts requirement\*

Prerequisites: Speech/ English I

Recommended grade level: 10, 11, or 12

Credit earned: 1 credit

Course length: 1 year

Students will work to create a weekly/ bi-weekly newspaper chronicling the events at our school. Students will learn to gather, research, write, edit, and present the news. They will also create the yearbook and learn to use the design program to create individual pages. Students will learn appropriate laws associated with copyright, freedom of speech, and fair use.

Course name: **Journalism II, Journalism III**

Note: \*This is an elective course. It does not count towards the English/Language Arts requirement\*

Prerequisites: Speech/ English I

Recommended grade level: 11, or 12

Credit earned: 1 credit

Course length: 1 year

In addition to the responsibilities of Journalism I, students taking Journalism II and/or III will take a leadership role in the course, serving as student editors. These students will help with copy-editing and organization. They will also work on the layout and design aspects of the newspaper.

## **MATHEMATICS DEPARTMENT**

### **Course name: Pre-Algebra**

This course may be one of the three math credits required for graduation.

Prerequisites: Applied Math

Recommended grade level: 9

Credit: 1 credit

Course length: 1 year

This course covers the following topics:

Fractions and their arithmetic operations Data representation  
Decimals and their arithmetic operations Evaluation of algebraic expressions  
Mixed numbers and arithmetic operations Order of operation  
Simplification of algebraic expressions Percents  
Translating words to algebraic expressions Signed numbers  
Pre-algebraic word problems Geometric constructions  
Solutions of linear equations Perimeter  
Area/Surface Area/Volume Divisibility  
Rounding/Place Value Unit conversions  
Percents/Ratios/Proportions Pythagorean theorem  
Scientific Notation Symmetry

### **Course name: Algebra I**

This course may be one of the three math credits required for graduation.

Prerequisites: Pre-Algebra or approval from teacher

Recommended grade level: 9-10

Credit: 2 credits ( 1 math credit towards graduation and 1 elective credit)

Course length: 1 year

It covers the following topics:

Properties of real numbers Pythagorean Theorem  
Translation & reflection of graphs Factoring  
Inequalities with absolute values Algebraic proofs  
Algebraic work problems Scientific notation  
Unit conversions Statistics & probability  
Surface area, perimeter, & volume Exponential growth  
Polynomials and rational expressions  
Factoring & completing the square  
Graphs of linear, quadratic, cubic, square foot, absolute value, etc.  
Graphical solutions of simultaneous equations.

Course name: **Geometry**

This course may be one of the three math credits required for graduation. It also meets the geometry content requirement for graduation

Prerequisites: Algebra I or approval from teacher

Recommended grade level: 9 or 10

Credit: 1 credit

Course length: 1 year

This course is designed to align with the Common Core Standards. It will offer the students a chance to explore ideas such as reasoning, parallel and perpendicular lines, congruent and similar figures, polygons and circles, area and volume, as well as transformations on the coordinate plane. These concepts are organized and delivered in a curriculum which involves problem solving, visual learning, and differentiated instruction.

Course name: **Algebra II**

This course may be one of the three math credits required for graduation. It also meets the geometry content requirement for graduation

Prerequisites: Algebra I or approval from teacher

Recommended grade level: 9, 10, or 11

Credit: 1 credit

Course length: 1 year

It covers the following topics:

Basic trig functions Scientific Notation Radicals

Conic sections Properties of real numbers Geometric Proofs

Inequalities Logarithms & algorithms Vectors

Factoring Algebraic word problems Gas law

Set theory Probability Graphical solutions

Algebra of Polynomials

Roots of quadratic equations w/ complex numbers

Course name: **Pre-Calculus**

This course may be one of the three math credits required for graduation. It also meets the geometry content requirement for graduation

Prerequisites: Algebra I, Geometry, and Algebra II or approval from teacher

Recommended grade level: 11 or 12

Credit: 1 credit

Course length: 1 year

It covers the following topics:

Functions and Graphs of the Basic Twelve Functions, Composition of Functions, Parametric Equations

Polynomial, Power, and Rational Functions and Analysis

Exponential, Logistic, and Logarithmic Functions and Analysis

Trigonometric Functions

Analytic Trigonometry and Trigonometric Identities

Applications of Trigonometry with Vectors, Parametric Equations, and Polar Coordinates

Systems and Matrices

Analytic Geometry in Two and Three Dimensions: Conics Sections, Ellipses, Hyperbolas, Rotation of Axes

Discrete Mathematics

Introduction to Calculus: Limits, Derivatives, and Integrals

Course name: **Calculus**

This course may be one of the three math credits required for graduation.

Prerequisites: Algebra I and approval from teacher

Recommended grade level: 12

Credit: 1 credit

Course length: 1 year

This course covers the following topics:

Review of functions Area between two curves Newton's Method

Review of trigonometry Inverse functions Trapezoidal Rule

Applications of Integrals Tests of convergence Graphing calculators

Motion analysis Limits Slope fields

Solids of revolution Derivatives Integrals

L'Hopital's Rule Euler's Method Logistic growth

Arc length Mean Value Theorem Parametric functions

Log differentiation Optimization problem Polar functions

Techniques of integration

## **FINE ARTS DEPARTMENT**

### **Course name: High School Chorus**

This course may be the one credit of fine arts or vocational required for graduation.

Prerequisites: Director's recommendation; must have performance attire of black pants or skirt, white shirt, and dark shoes

Recommended grade level: 9, 10, 11, or 12

Credit: 1 credit

Course length: 1 year

Chorus gives students the opportunity to learn and demonstrate the singing skills necessary to prepare and perform 2, 3, and 4-part choral literature. Class meets five days per week with an alternating schedule for those students who also take band. IHSA and other solo and ensemble performances are available to participate in all-school musical productions. Evaluation is based on daily rehearsal work and performance attendance.

### **Course name: High School Concert Band**

This course may be the one credit of fine arts or vocational required for graduation.

Prerequisites: Jr. High Band or director's recommendation

Recommended grade level: 9, 10, 11, or 12

Credit: 1 credit

Course length: 1 year

Students will work on their instrumental music skills through individual and group instruction. The class will focus on developing a student's skills on their instrument as well as music reading, ensemble performing and listening techniques. Students will perform in required concerts throughout the year with both the concert band and pep band. Students will be assessed with playing tests, participation grades, written work and concert attendance.

## **FOREIGN LANGUAGE DEPARTMENT**

Course name: **Spanish I**

Prerequisites: None

Recommended grade level: 9

Credit earned: 1 credit

Course length: 1 year

Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

Course name: **Spanish II**

Prerequisites: None

Recommended grade level: 10, 11, 12

Credit earned: 1 credit

Course length: 1 year

Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

Course name: **Spanish III**

Prerequisites: None

Recommended grade level: 11, 12

Credit earned: 1 credit

Course length: 1 year

Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

Course name: **Spanish IV**

Prerequisites: None

Recommended grade level: 12

Credit earned: 1 credit

Course length: 1 year

Spanish IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Spanish language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.



## SCIENCE DEPARTMENT

Course name: **Biology I** (Botany & Zoology)

Prerequisites: None

Recommended grade level: 9

Credit earned: 1 credit

Course length: 1 year

An introductory course that emphasizes plant and animal cell structure, cellular processes and genetics. There will be an emphasis on the structure and function of plants and animals, including an introduction to the principles of ecology and evolution.

Course name: **Chemistry I**

Prerequisites: Biology I & Algebra I

Recommended grade level: 10, 11, 12

Credit earned: 1 credit

Course length: 1 year

Chemistry I will focus on the concepts and major theories required for understanding chemical phenomenon. Major topics will include atomic and molecular structure, stoichiometry, gas laws, chemical bonding and solutions. An emphasis on the laboratory component will be included.

Course name: **Chemistry II**

Prerequisites: Chemistry I

Recommended grade level: 10, 11, 12

Credit earned: 1 credit

Course length: 1 year

Chemistry II is a continuation of Chemistry I and therefore requires that Chem I has been taken and passed. An emphasis will be placed on chemical equilibria, electrochemistry, kinetics, and acids and bases. A laboratory component will be included and stressed.

Course name: **Environmental Science**

Prerequisites: Biology I

Recommended grade level: 10, 11, 12

Credit earned: 1 credit

Course length: 1 year

This course provides basic scientific knowledge and understanding of how our world works from an environmental perspective. Topics covered include: basic principles of ecosystem function; biodiversity and its conservation; human population growth; water resources and management; water, air and soil pollution; climate change; energy resources, and sustainability.

Course name: **Forensic Science**

Prerequisites: Biology I

Recommended grade level: 11, 12

Credit earned: 1 credit

Course length: 1 year

Forensic Science focuses on the skills and concepts behind physical aspects of crime scene investigation and forensic science. Students will review concepts from chemistry, biology, physical science, and environmental science as well as math, history and English in the process of learning about forensic science. Fingerprinting, blood spatter, DNA are just a few of the topics that will be covered.

## **SOCIAL STUDIES DEPARTMENT**

Name of course: **American Government & Civics**

This course fulfills the Civics requirement for graduation.

Prerequisites: None

Recommended grade level: 11, or 12

Credit: 1 credit

Course length: 1 year

This course will look at the impact the government has on American citizens. The course will examine different government systems throughout the world. Also, students will learn about the relations between local, state, and the national government in the United States. The required civics tests for graduation will be administered during this class.

Name of course: **United States History**

This course fulfills the US History requirement for graduation.

Prerequisites: None

Recommended grade level: 10, 11, or 12

Credit: 1 credit

Course length: 1 year

This course uses a chronological as well as thematic approach to understand the events that include the founding of this nation up to the present times and the patriotic, democratic principles for which it stands. The contribution of different important historical figures, ethnic groups, minority groups and women is emphasized. The understanding of the political process of government and individual rights is included.

Name of course: **World History**

This course may be used for one credit of the two credit social studies requirement for graduation.

Prerequisites: None

Recommended grade level: 9, 10, 11, or 12

Credit: 1 credit

Course length: 1 year

The first semester of this course will cover the history of the world until 1500. The course will emphasize the major world cultures comparing politics, society, religion, and ethics of various cultures. The second semester of this course will cover major events in world history after 1500. The focus of the course will be the emergence of modern man.

Name of course: **HISTORY 136: History of the US Since 1865**

This course fulfills the US History requirement for graduation.

Prerequisites: Satisfactory score on Reading and Writing placement exams

Recommended grade level: 11 or 12

Credit: 1 credit (+ 1 college credit per semester)

Course length: 1 semester

This course covers the major political, social, economic and diplomatic trends that have shaped the United States from the end of the Civil War to the present.

## **BUSINESS DEPARTMENT**

### **Name of course: Accounting I**

This course may be used for the fine arts/vocational requirement for graduation.

Prerequisites: C or better in Algebra I

Recommended grade level: 11 or 12

Credit: 1 credit

Course length: 1 year

Accounting I is the study of double-entry accounting for sole proprietorships, partnerships and corporations for service and merchandising businesses. Students will use multi-column journals and specialized journals. Topics include journalizing transactions, posting, creating financial statements, developing worksheets, employer/employee taxes, bank reconciliation's and payroll. Evaluation is based on quizzes, tests, and projects. Accounting simulation will be prepared second semester.

### **Name of Course: Accounting II**

This course may be used for the fine arts/vocational requirement for graduation.

Prerequisites: C or better in Algebra I and Accounting I

Recommended grade level: 11 or 12

Credit: ½ credit

Course length: 1 semester

This course will build upon the skills and information that the students learned in Accounting I. The course will further enhance the students' knowledge of accounting, with emphasis on financial statements, accounting records, and the valuation of assets. Students may see topics in such fields as tax accounting, cost accounting, and payroll accounting. Use of the computer for documents may also be a part of the course, along with reinforcement activities to tie all of the information together.

### **Name of course: Business Law**

This course may be used for the fine arts/vocational requirement for graduation.

Prerequisites: Consumer Education

Recommended grade level: 11 or 12

Credit: ½ credit

Course length: 1 semester

Students learn the difference between rights and responsibilities for individuals and for businesses. Units include: History of American laws, Justice and You; Special Laws for Special Groups; Contracts; Working for Others; Property Laws; Checks and Other Commercial Paper. If time permits, a Mock Trial will be held on an important issue relevant to the students.

Name of course: **BUSINESS 110: Introduction to Business**

This course may be used for the fine arts/vocational requirement for graduation.

Prerequisites: Satisfactory score on Reading and Writing placement exams

Recommended grade level: 11 or 12

Credit: 1 credit per semester (+ 1 college credit per semester)

Course length: 1 semester

This is a dual credit course offered through Heartland Community College. Placement in BUS 110 presupposes competence in English grammar, mechanics, punctuation, and spelling. This course focuses on clarifying the complexities of the business world while enhancing students' skills in critical thinking, problem solving, diversity, multiculturalism, and communication; thus providing them with necessary tools for business success. Within a framework of professionalism, ethical decision making, responsibility, and the use of technology, students will assess the global, economic, social, technological, and political environments impacting business. In addition, students will examine the essential elements of organizational structure, marketing, management, accounting, and financial decision making.

Name of course: **Computer Applications**

This course is required for graduation.

Prerequisites: Keyboarding I

Recommended grade level: 9, 10, 11, or 12

Credit: ½ credit

Course length: 1 semester

Computer applications introduces the students to the history of computers and the internet; computer terminology, hardware and further examines the use of word processing, spreadsheets, data bases and introduces PowerPoint. In addition, students will examine proper use of the Internet. Evaluation is based on projects, quizzes and tests.

Course name: **Consumer Education**

This course is required for graduation.

Prerequisites: none

Recommended Grade level: 11 or 12 or approval of instructor

Credit: ½ credit

Course length: 1 semester

Consumer Education is the study of topics everyday consumers use in life. Units covered included taxes, insurance, investments, banking, having a checking account, loans, food buying, mortgages and housing options, and automobile purchase. Evaluation is based on homework, quizzes, tests, and projects.

Course name: **Sports & Entertainment Marketing**

This course may be used for the fine arts/vocational requirement for graduation.

Prerequisites: Consumer Education

Recommended grade level: 11 or 12

Credit: ½ credit

Course length: 1 semester

Sports and Entertainment Marketing courses introduce students to and help them refine marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, and the sales or rental of supplies and equipment.

## Career & Technical Education Courses

- These courses are offered through Lincoln Community High School in the LincolnLand Technical Education Center. Students of either a junior or senior status enrolled in or have completed all graduation requirements are eligible to enroll at LTEC. Students must complete an application to be considered for LTEC enrollment.

Name of course: **Advanced Metals**

Prerequisites:

Recommended grade level: 11 or 12

Credit: 1 credit per semester (+ 6 college credits)

This is a year-long course. This course involves one semester of welding and one semester of machining. In welding, students will learn safe operation for electric arc welding, oxy-fuel welding, flame cutting, metal shearing and band sawing, and stationary and portable grinding equipment. In machining, students will learn the safe operation of precision equipment including the machine lathe, vertical and horizontal milling machines, surface grinding, tap and die, and metal finishing. Students have the opportunity to join VICA (Vocational Industrial Clubs of America) to improve their leadership skills. Students will be required to pay project fees in this course. Students will have the opportunity to earn 6 hours of college credit through Heartland Community College.

Name of course: **Automotive Technology I**

Prerequisites:

Recommended grade level: 11 or 12

Credit: 1 credit per semester

Course length: 1 year

This is a year-long course. Automotive Technology is a 2-year (4-semester) course with an annually revolving curriculum. Automotive Technology I & II students share the same classroom and share the same curriculum. For full benefit, the student must take the course for the full 2 years. Students will be taught how to disassemble, inspect, diagnose and repair or replace automotive systems, components, and assemblies. Students are taught how to study and understand the construction and operation of the different automotive systems, components, and assemblies so they can continue to update their skills. Developing both good learning and good working skills is emphasized. Topics covered first semester include: The Auto Industry, automotive safety practices, automotive tools and equipment, brake systems, electrical and electronic systems. Topics covered second semester include: Engine performance, air induction systems, fuel systems, ignition systems, computer diagnostics OBD-I & OBD-II, emission control systems, suspension and steering systems, wheel alignment, and tire and wheels.

Name of course: **Automotive Technology II**

Prerequisites: Successful completion of Auto Tech I

Recommended grade level: 12

Credit: 1 credit per semester

Course length: 1 year

This is a year-long course. This course is a continuation of the 2-year Automotive Technology program. Topics covered first semester include: The auto industry, automotive safety practices, automotive tools and equipment, engine repair, engine removal, disassembly and cleaning, inspecting and measuring engine components, servicing cylinder heads, servicing the block assembly, engine assembly and installation, heating and air conditioning. Topics covered second semester include: Automotive transmissions and transaxles, torque converters and gear trains, hydraulic principles, hydraulic control systems, apply components, electronic controls, rebuilding an automatic transmission or transaxle, manual drive train and axles.

Name of course: **Building Trades I**

Prerequisites: Basic Drafting & Communication, Basic Electricity & Energy recommended

Recommended grade level: 11 or 12

Credit: 1 credit per semester (+ 3 college credits)

Course length: 1 year

This is a year-long course. Building Trades is designed to expose students to all phases of the small-home construction industry over a 2-year period. Building Trades I is the “rough in” phase including framing, roofing, setting doors and windows, siding, and electrical wiring. Rough-in plumbing, both sewer and water lines, is included. A wood deck, small storage shed, and some landscaping will finish the first year. Students may be eligible for proficiency credit at Lincoln Land Community College.

Name of course: **Building Trades II**

Prerequisites: Successful completion of Building Trades I

Recommended grade level: 12

Credit: 1 credit per semester (+ 3 college credits)

Course length: 1 year

This is a year-long course. Building Trades II is the inside of “finish carpentry” of the house. This includes hanging and taping drywall, painting, staining, varnishing, and wallpapering. Interior doors are installed along with all the trim work. Cabinets and counter-tops are set. The electrical wiring is completed with switches, receptacles, and lights. All plumbing fixtures are installed with necessary trim work. Landscaping is completed, and the house is readied for sale. The last unit of the year is planning for the next house by blueprint and architectural design. Students may be eligible for proficiency credit at Lincoln Land Community College.

Name of course: **Cosmetology I**

Prerequisites: Juniors or Seniors 16 years of age or older

Recommended grade level: 11 or 12

Credit: 1 credit per semester

Course length: 1 year

This is a year-long course. This course is designed to provide students interested in a career in Cosmetology with the information and practical experiences needed to complete part of the 1,500 Practice Skills required to take the Illinois Cosmetology Exam. In Lab: Students will learn – Wet and dry hair styling, which include: finger waving, roller and pin-curl placements, air forming, iron curling, hair pressing, flat ironing, and all finishing techniques. Students will also receive training in various braiding techniques. Long hair styling, including all types of up-dos, is an integral part of the course.

Name of course: **Cosmetology II**

Prerequisites: Successful completion of Cosmetology I

Recommended grade level: 12

Credit: 1 credit per semester

Course length: 1 year

This is a year-long course. Cosmetology II will continue to provide students with additional skills, knowledge & hours to help complete part of the 1,500 Practice Skills required to take the Illinois Cosmetology Exam. Students will learn- Textual reformation, which includes: permanent waving techniques, hair relaxing techniques, and multi-cultural chemical techniques.

Practice Skills Lab: Students will also learn new texturizing techniques including: thermal reconditioning and keratin blow-out treatments.

Name of course: **Creating Entrepreneurial Opportunities (CEO)**

Prerequisites: Entrepreneurship recommended

Recommended grade level: 11 or 12

Credit: 1 credit per semester

Course length: 1 year

This is a year-long course. The class meets in local businesses and changes locations throughout the year. The local business community partners with area schools to create project-based experiences for students. Students visit area businesses, learn from guest speakers, participate in a class business, write business plans, and start and operate their own business. Business concepts learned through the experiential CEO class are critical; the 21st-century skills of problem-solving, teamwork, self-motivation, responsibility, higher-order thinking, communication, and inquiry are at the heart of student development throughout the course. Students must submit a written request for admission, letters of recommendation and complete an entrepreneurial profile. Students must have reliable transportation because this class is conducted off-site.



Name of course: **Criminal Justice**

Prerequisites:

Recommended grade level: 11 or 12

Credit: 1 credit per semester

Course length: 1 year

This course introduces students to aspects of the law enforcement and the legal system. Students will be required to participate in physical activities and techniques to learn skills that are basic to all law enforcement officers. Specific course topics will include law enforcement, criminal investigations, evidence analysis (with a basic understanding of forensic science), witness and suspect interviewing, report reading and writing, as well as a study of how the legal system has evolved over time.

Name of course: **Culinary Arts I**

Prerequisites:

Recommended grade level: 11 or 12

Credit: 1 credit per semester

Course length: 1 year

This is a year-long course. This course is designed to provide students interested in a career in food service with the information and practical experiences needed for the development of food service job-related competencies. The students receive laboratory experiences using commercial food service equipment, preparing food in quantity, and serving food. The course includes instruction on sanitation and safety in the food and beverage industry. Students will receive instruction in preparation to take the required state examination to obtain their food handlers license. Student completing Culinary Arts I with a C or better may receive proficiency credit at Lincoln Land Community College.

Name of course: **Culinary Arts II**

Prerequisites: Successful completion of Culinary Arts I

Recommended grade level: 12

Credit: 1 credit per semester

Course length: 1 year

This is a year-long course. Coursework covers a broad spectrum: the preparation of basic and specialized foods, basic dining room service, menu planning and nutrition, catering and special function planning, sanitation, purchasing, and inventory. More emphasis is placed on management skills, human relations, and supervision. Training experiences involve equipment and facilities that stimulate those found in business and industry. Student completing Culinary Arts II with a C or better will be eligible for proficiency credit at Lincoln Land Community College.

Name of course: **Health Occupations**

Prerequisites:

Recommended grade level: 11 or 12

Credit: 1 credit per semester (+ 8 college credits)

Course length: 1 year

This is a year-long course. Health Occupations prepares the student to pass the state Certified Nurses' Aide exam and become CNA certified. This course includes classroom, laboratory, and clinical experiences. Basic nursing assistant skills are presented and performed in nursing homes and hospital healthcare professions are also provided for the students enrolled in this course. Students may receive articulation credit at Heartland Community College or Lincoln Land Community College. Students will be required to purchase a uniform and clinical supplies for this class. Students may not miss more than 10 days of class. There are NO excused absences per the Illinois Department of Public Health requirements.

Name of course: **Workplace Experience**

Prerequisites: Must be on track for graduation

Recommended grade level: 11 or 12

Credit: 1 credit per semester

Course length: 1 year

This is a remote learning class. Work Place Experience is a 1 or 2 year class where junior or senior students share their experiences and work place happenings. Student get to explore various types of careers and the necessary training required to be successful. Students must have a job where they receive a paycheck and work at least 15 hours a week. Students in this class maybe released early to go to work with permission from their high school.

## **AGRICULTURE DEPARTMENT**

Name of course: **Introduction to Agriculture Industries**

This course may be used for the fine arts/vocational requirement for graduation.

Prerequisites: None

Recommended grade level: 9

Credit: 1 credit

Course length: 1 year

This introductory course to agriculture will cover an in-depth study of The National FFA Organization, parliamentary procedure and public speaking. The four basic areas of agriculture will be introduced: crop science, animal science, carpentry and horticulture. The student will also begin his/her Supervised Agricultural Experience Program (SAE), which will require the student to keep a record book on a particular area of study. The SAE along with the other course work will be graded accordingly with homework, quizzes, tests and projects. Being that the FFA is an intra-curricular part of all agriculture courses, all students are encouraged to join the FFA.

Name of course: **Horticulture Science**

This course may be used for the fine arts/vocational requirement and science credit for high school graduation. Colleges and Universities do not accept this as a science credit.

Prerequisite: Agriculture Industries

Recommended grade level: 10, 11 or 12

Credit: 1 credit

Course length: 1 year

This is a year-long course dealing in the areas of landscape design, floriculture, fruit and vegetable production, turf management, greenhouse management and hydroponics. Particular areas to be covered will include: identification of ornamental plants used in the landscape design, fundamentals of landscaping, identification of flowers used in flower arranging and corsages, fundamentals in flower arranging and corsage making, identification, propagation, insect and disease control, fertilization, choosing varieties and harvesting in the areas of turf management, fruit and vegetable production. Other areas to be covered will be greenhouse production and management, the principles of hydroponics and integrated pest management. The student will continue with their Supervised Agricultural Experience Program (SAEP) or begin one, if not have already done so. Being that the FFA is an intra-curricular part of all the agricultural courses, it is encouraged that all students join the FFA.

Name of course: **Agriculture Business Management**

This course may be used for the fine arts/vocational requirement for graduation.

Prerequisite: Agriculture Industries, Crop and Animal Science

Recommended grade level: 11 or 12

Credit: 1 credit

Course length: 1 year

Agriculture Business Management will cover the principles of owning and operating a business. Topics to be included will be the basic economic principles of production (supply and demand), credit, insurance, taxes, law, depreciation and record keeping. Other areas to be covered will include computers, job applications, employment skills, and working with the public in a business. The student will also do a simulation marketing exercise involving the use of the Chicago Board of Trade.

The student will continue with their Supervised Agricultural Experience Program (SAEP). Being that the FFA is an intra-curricular part of all agricultural courses; the student is highly encouraged to join the FFA. Evaluation of all course work is based on homework, quizzes, tests and projects.

Name of course: **Biological Science Applications in Agriculture**

This course may be used for the fine arts/vocational or science requirement for graduation.

Prerequisites: First year biology

Recommended grade level: 10, 11, or 12

Credit: 1 credit

Course length: 1 year

Biological Science Applications in Agriculture (BSAA), plant and animal science is a course designed to reinforce and extend the student's understanding of science by associating basic scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of plant growth and animal agriculture and specific biological science concepts that govern management decisions. This two-semester course will deepen student's understanding of science as content and as a process through the use of numerous laboratory exercise and experiments. Students can also establish a Supervised Agricultural Experience Program (SAEP) and participate in agricultural science activities of the FFA. Therefore, the student will continue with their SAEP or begin one, if not have already done so. Being that the FFA is an intra-curricular part of all the agriculture courses, all students are encouraged to join the FFA. Evaluation of all course work is based on homework, quizzes, tests, laboratory reports and projects.

Name of course: **Introduction to Mechanics**

This course may be used for the fine arts/vocational requirement for graduation.

Prerequisite: Agricultural Industries

Recommended grade level: 10, 11, or 12

Credit: ½ credit

Course length: 1 semester

This mechanics course will cover the areas of welding, electricity, plumbing and other miscellaneous areas of student interest. The introduction to arc, oxyacetylene and MIG welding, plus the use of the plasma arc cutting, along with the units on electrical wiring, electrical motors, electrical controls and the plumbing skills associated with galvanized, copper, black plastic and PVC pipe. Following correct safety procedures at all times will be a high priority item. The student will continue with their Supervised Agricultural Experience Program (SAEP) or begin one, if not have already done so. Being that FFA is an intra-curricular part of all the agricultural courses, the student is highly encouraged to join the FFA. Evaluation of all course work is based on homework, quizzes, tests and projects.

Name of course: **Small Engine Technology**

This course may be used for the fine arts/vocational requirement for graduation.

Prerequisite: Agriculture Industries

Recommended grade levels: 10, 11, or 12

Credit: ½ credit

Course length: 1 semester

This course will deal with the theory of small gas engine operation. The main areas to be covered will include ignition, compression, carburetion, plus the proper use of engine measuring tools and also lubrication and storage. The student will be required to furnish a small gas engine to be taken down, overhauled and properly put back together according to the manufacturer's specifications.

The student will continue with their Supervised Agricultural Experience Program (SAEP) or begin one, if not have already done so. Being that the FFA is an intra-curricular part of all agriculture courses, it is encouraged that the student joins the FFA. Evaluation of all course work is based on homework, quizzes, tests and projects.

Name of Course: **Veterinary Technology**

Recommended grade level: 11, or 12

Prerequisites: Introduction to Agriculture or Consent of instructor

Credit: 1 credit

Course length: 1 year

This course will develop students' understanding of the small, large and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small and large animal production, research lab assistant and animal nutrition lab technician. 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, career exploration and reinforcement of academic concepts.

## **HEALTH AND PHYSICAL EDUCATION/ DRIVER EDUCATION**

Name of course: **Health Education**

This course is required for graduation.

Prerequisites: None

Recommended grade level: 10

Credit: ½ credit

Course length: 1 semester

This course is offered for high school students as part of their PE class. A “Health Issues” class will be offered to the ninth and tenth grade students during the third nine-week grading period. The study of health should be made relevant to all students, and the concepts learned should be useful during their youth and adult lives as well. Areas of interest are: understanding your body, nutrition, dangerous habits, understanding disease, health and troubled personality and safety. Class discussion, group discussions, videos, and daily written assignments are among daily routines for health education. Grades are determined by testing, daily assignments, and weekly article reporting.

Name of course: **Physical Education**

Four credits of this course are required for graduation.

Prerequisites: None

Recommended grade level: 9, 10, 11, and 12

Credit: 1 credit

Course length: 1 year

PE is a course whose objectives are basically three-fold. First, the maintenance of a degree of physical fitness is of prime importance. This is done by the continuous alternating of flexibility, strength, and cardio-vascular workouts. Secondly, the skills, strengths, and rules necessary to participate in individual and team activities are stressed. Finally, the third objective is to teach an attitude of enjoying sports through a competitive, but relaxed atmosphere. Grades are determined by skills tests, written tests, and participation.

Name of course: **Driver’s Education**

Prerequisites: Students must have passed 8 courses in the previous two semesters excluding PE and music and be 15 years old.

Recommended grade level: 9, 10, 11, and 12

Credit: ½ credit

Course length: 1 semester

This course is offered to students who are 15-17 years of age. Students must be 15 before they are eligible to sign up for the classroom phase of driver’s education. The classroom phase of driver education must consist of 30 clock hours minimum to meet state requirements. The students will drive a total of 6-7 hours behind the wheel (BTW) which is also required by the state. In the classroom, we use the Drive Right book along with the Rules of the Road. Areas covered are traffic signals, signs, lane markings, traffic laws, and inclement weather safety procedures, traffic accidents and accident prevention, required motor vehicle equipment, and new state laws in regard to safety belts, lights, and windshield wipers. Special interest is given to the driver’s examination, the instruction permit, and the blue slip (certificate). Other areas are license suspension and revocation. Defensive driving is emphasized throughout the entire program. Proper starting and stopping procedure is required along with being able to change a tire and having good tire rotation throughout the life of the tire. The State of Illinois ruling for driver education eligibility is enforced (see course prerequisites for academics). You must be 15 before the beginning of the semester requested in order to take the course that semester. This may vary depending on the number of students who are eligible for driver’s education in a given year.