



2012 - 2013 COURSE BOOK



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ENGLISH

(4 credits REQUIRED)

BASIC ENGLISH: Grades 9-12 1 year - 1 credit

Pre-requisite: Teacher recommendation and Achievement Test scores at least two years below grade level.

This English class has been designed specifically for students who do not have regular English because of significant deficits in reading and writing skills. The class is slower-paced and uses a focused, hands-on approach.

BE 9/10: Course #: 038HS/039HS

While being a reading intensive course, students in Basic English 9/10 will be expected to read works ranging from the traditional essay to short stories, dramatic theater, and full-length novels. This course will also help students practice their communication skills through oral readings, presentations, group discussions, and essay writing.

BE 11/12: Course #: 036HS/037HS

The nature of Basic English 11/12 sections involve students who will remain in the same classroom for their Junior and Senior years for a modified curriculum. The curriculum will rotate each year so that all students get the opportunity to have modified Greek Mythology, American Literature, Dramatic Writing, and Speech within the Basic English 11/12 class. The content of this course includes, but is not limited to, the development of critical thinking skills, cooperative learning activities, examination of elements of the short story, formation of practical composition techniques, and practice of their communication skills through oral readings, presentations, group discussions and essay writing.

ENGLISH 100 1 year - 1 credit Course #: 019HS/020HS

Pre-requisite: Standardized Test Scores and teacher recommendation are used to determine eligibility.

This course stresses basic skills in spelling, vocabulary, grammar, sentence structure, punctuation, writing, and speech. Students also study literary selections from the areas of short story, poetry, drama, and novel.

ENGLISH 100 HONORS 1 year—1 credit Course #: 021HS/022HS

Pre-requisite: Standardized Test Scores and teacher recommendation used to determine eligibility.

This class will study the topics outlined in English 100 in greater detail and with greater difficulty. The course work will require students to think critically and analyze the material presented. In addition, the honors class will: be introduced to traditional meanings behind elements of the setting, analyzing literature in terms of its relationship to the human experience bridging all cultures and time periods, and be exposed to a detailed study of Shakespeare's life and the Elizabethan Era .

CONTEMPORARY LITERATURE 1 semester— 1/2 credit Course #: 043HS **REQUIRED: Graduates in 2013 & on** Freshmen

This course is required of all freshman. The class will entail reading strategies associated with the selection being read. The course will also include weekly reading passages from various sources such as ACT, PSAT and SAT. These passages will be broken down by students to enhance preparation for standardized tests and college entrance exams.

READING (Read 180) 1 Year - 1 credit Course #: 009HS/010HS

REQUIRED if put in place of Contemporary Literature by teacher recommendation: Graduates in 2013 & beyond.

Read 180 is an intensive reading intervention program that helps confront the problem of adolescent illiteracy and special needs reading on multiple fronts, using technology, print, and professional development.

READING 2 (Read 180) 1 Year—1 Credit Course #: 1066HS/1067HS

Continuation of READING from Freshman Year.

ENGLISH 200 1 year - 1 credit

Course #: 023HS/024HS

Pre-requisite: Successful completion of English 100

1st semester is Sophomore Composition. This 1st semester course concentrates on the four areas of writing: Narrative, Persuasive, Expository, and Comparison/Contrast. The emphasis on style, voice, coherence, audience, and organization. Grammar and mechanics will be interspersed. There will be a number of short essays and a research paper required.

2nd semester is Sophomore Literature. This 2nd semester course concentrates on the literary analysis of Greek & English Renaissance Drama, Poetry, and a Novel. Literary elements and dramatic conventions will be considered and applied in the literary analysis. A number of short essays will be required.

ENGLISH 200 HONORS 1 year - 1 credit

Course #: 025HS/026HS

This class will study the topics outlined in English 200 with greater difficulty, at a faster pace and uses a large number of supplemental material. In addition to the requirements of English 200, Honor's students will be expected to complete their homework in essay format and use textual quotations in homework and tests.

COMMUNICATIONS 1 semester—1/2 credit

Course # 044HS

Juniors/Seniors

This elective course will develop listening and speaking abilities with a focus on skills related to invention, organization, language and style, and delivery. Students will give a variety of speeches including impromptu, entertaining, and debate. Students will complete a research project.

AMERICAN LITERATURE 1 semester - 1/2 credit

Course #: 028HS

Juniors/Seniors

This class is designed to provide students with a foundation and overview of American literature and American literary traditions in the form of short stories and full-length novels. This course is designed to mimic and prepare students for what they can expect from a college level English/Literature course. Class discussions as well as course success will be dependent upon the effort that each student puts forth while reading the assigned pieces of literature and will prepare students to become thoughtful and productive readers.

COLONIAL AMERICAN LITERATURE 1 semester - 1/2 credit

Course #: 046HS

This semester course is a review of the literature of America and the people who made it, from earliest days of John Smith (1579-1631) to 1830. The material includes authors that shaped our nation from the first settlers through the American Revolution to the notable literary figures of Washington Irving and Noah Webster.

MYTHOLOGY 1 semester - 1/2 credit

Course #: 029HS

Juniors/Seniors

This elective course will explore mythological figures from various cultures. Studies will include aspects of their influence and roles in literature. Course requirements will include a research project. Students are required to develop a mythology notebook.

DRAMATIC WRITING 1 1 semester - 1/2 credit

Course #: 030HS

Juniors/Seniors

This is an introductory course to acting and writing for the stage. Students will analyze the vocal and physical elements of acting, while exploring the effects of internal and external characterization by learning how they impact a character's motivation, objectives, and obstacles in given scenarios. Students will improvise many scenes by collaborating with others, in addition to writing scenes for memorized performances.

WORLD LITERATURE 1 semester - 1/2 credit Course #: 031HS
Juniors/Seniors

For this elective course, students will study authors from a variety of countries such as France, Spain, Germany, and Mexico. Students will write a variety of papers, based on the literature studied. Course requirements will include a research project.

DRAMATIC WRITING 2 1 Semester – ½ Credit Course #: 045HS
Pre-requisite: Dramatic Writing 1 with a grade of B or better.

This class explores many of the topics outlined in Dramatic Writing and Performance 1, however with greater difficulty and at a quicker pace. Students will further work on developed characterization (both comic and dramatic) in written and improvised scenes. We will also explore differences from theater to film, and students will adapt scenes from a play to film after understanding the film-making process. It is expected that students have already mastered the basics of performance and writing from DW&P 1.

AP ENGLISH: LANGUAGE AND COMPOSITION 1 year - 1 credit Course #: 041HS/042HS
Juniors and Seniors
Pre-requisite: Must a B average in English

Students will work on developing their personal voices in their writing. In doing so, they will write in a variety of modes (descriptive, narrative, expository, persuasive), and apply acquired knowledge of effective writing techniques (tone, detail, diction, syntax, imagery, figurative language, etc.) This composition course is writing intensive as students will compose essays of their own and essays in which they analyze the work of others. of precision in word choice and intended/resulting meaning in various rhetorical situations.

AP ENGLISH : LITERATURE AND COMPOSITION 1 year - 1 credit Course #: 032HS/033HS
Seniors , Juniors with Permission from English Department
Pre-requisite: Must a B average in English

Students will study various types of writing and literature in preparation for the AP English Exam. Course requirements include a research project. A summer reading project is required. If students choose, they can pay to take the AP Exam in May to be eligible to earn college credit. Mythology is strongly suggested before taking this class.

JOURNALISM 1 year - 1 credit Course #: 034HS/035HS
Starting in 2008/2009, this class WILL count as an English Credit. **THE NCAA DOES NOT CONSIDER THIS CLASS A COLLEGE PREP ENGLISH COURSE. IF YOU ARE FILING TO PLAY SPORTS THROUGH NCAA...DO NOT TAKE THIS AS YOUR ENGLISH COURSE!**

Junior/Senior Pre-requisite: Must have permission of the instructor.
Full Year commitment is required! Class size is limited to 20.

While this class is charged with the creation, sales, and distribution of the school newspaper and year-book., students in Journalism will draft, edit, and revise numerous types of writing that including, but not limited to press releases, editorials, athletic event summaries, new reports, and business advertisements. Students will also study current newspapers, magazines, and other pertinent contemporary texts in order to be reminded of their obligation to utilize appropriate purpose, audience, and context to their pieces of journalistic writing.

MATHEMATICS

(3 Credits REQUIRED)

GENERAL MATH Course #: 132HS/133HS
(ONLY for students with an IEP)

General Math is the beginning course of the advancement to Algebra. The content covered, but is not limited to: integer operations, analyzing data, solving simple equations, problem solving, order of operation, fractions (ratios), decimals, percents, area, volume, surface area, proportions, angles, and triangles.

Algebra 1 Block: Course #: 154HS/155HS

ALGEBRA 1.2 1 year - 1 credit Course #: 116HS/117HS
Pre-requisite: Completion of Alg 1.1 or teacher recommendation.

This class is the second year of Algebra 1.1. The material covered will be the same as the 2nd semester of Algebra 1 curriculum; limited calculator use.

ALGEBRA 1 1 year - 1 credit Course #: 118HS/119HS
Pre-requisite: Successful completion of Foundations 2 (80% or above) or teacher recommendation.

Algebra 1 is the development of the following skills: problem solving, solving equations and proportions, graphing, multiple representations of a situation, solving systems of equations, linear relationships, solving quadratic equations, solving inequalities, simplifying expressions, using exponents, and functions. Classrooms do have graphing calculators for student use during class, but cannot be taken home.

* must have a calculator (minimum of a TI-30).

GEOMETRY 1 year - 1 credit Course #: 120HS/121HS
Pre-requisite: Algebra 1 or Algebra 1.1 and 1.2

Geometry is the development of the following skills: study of polygons, transformations, angles and measurement, proofs and similarity, trigonometry, probability, congruence, coordinates, constructions, and conic sections. Classrooms do have graphing calculators for student use during class, but cannot be taken home.

*Must have a Calculator (minimum of TI-30).

ALGEBRA 2 1 year - 1 credit Course #: 122HS/123HS
Pre-requisite: Geometry

Algebra 2 consists of the following content areas: functions, sequences, exponential functions, parabolas, linear systems and matrices, logarithms, and related inverses, polynomial systems, circular functions, trigonometry, probability, counting methods and sampling, and descriptive statistics. Calculator suggestions are, but not limited to: TI-83, TI-84 or TINspire. Classrooms do have graphing calculators for student use during class, but cannot be taken home.

TRIGONOMETRY/PRE-CALCULUS 1 year - 1 credit

Course #: 152HS/153HS

Pre-requisite: Algebra 2

The key ideas presented are: transformations of functions, periodic functions and their graphs, area under a curve as a foundation for integration, inverses, exponentials, and logarithmic equations and applications, limits to infinity and at a point, properties of functions including continuity, increasing vs. decreasing, and concavity, average rates of change and instantaneous rates of change as a foundation for derivatives, other graphical systems including polar and parametric, applications of vectors and trigonometric functions, algebraic fluency and simplification techniques and modeling using a variety of functions.

Calculator suggestions are, but not limited to: TI-83, TI84 or TiNspire. Note: Many college students sell their graphing calculators upon graduation in the spring.

Classrooms do have graphing calculators for student use during class, but cannot be taken home.

CALCULUS 1 year - 1 credit

Course #: 128HS/129HS

Pre-requisite: Trigonometry/Pre-Calculus

The key ideas presented in Calculus are: exploring functions, instantaneous rates and Riemann sums, slope functions and curve analysis, the fundamental theorem of calculus, optimization and derivative tools, related rates and integration tools, volumes of revolution, series, parametric, and polar equations, convergence of series, extending calculus to polar and parametric equations, approximating functions and error. Graphing Calculator suggestions are, but not limited to: TI-83, TI84 or TiNspire. Note: Many college students sell their graphing calculators upon graduation in the spring.

Classrooms do have graphing calculators for student use during class, but cannot be taken home.

APPLIED MATHEMATICS 1 year - 1 credit

Course #: 146HS/147HS

Pre-requisite: Grades 11 or 12

This class will study mathematics as needed by the consumer and the worker. Topics include, but are not limited to: part-time and full-time work, purchases, credit, taxes, loans, travel, insurance and budgets.

APPLIED MATH STATISTICS 1 year—1 credit

Course #: 142HS/143HS

Pre-Requisite: Grade 12, "C" or above in Geometry, & teacher recommendation

First Semester is the application of statistics, logical argument, estimation and reasonableness of answers, geometry in problem solving and techniques in problem solving. These topics are an excellent review for placement exams.

Second semester is mathematics as needed by the consumer and the worker. Topics include, but are not limited to: part-time and full-time work, purchases, credit, taxes, loans, travel, insurance and budgets.

SCIENCE

(2 Credits REQUIRED - can include Horticulture)

GENERAL SCIENCE 1 1 year - 1 credit Course #: 224HS/225HS

(ONLY for students with an IEP) Taught in the even years: 10-11, 12-13

This course is designed to provide students with a foundation and an overview of General Science, which includes but is not limited to, earth science, physical science, and environmental science. Some topics discussed in earth science consist of plate tectonics, earthquakes, volcanoes, and weather patterns. Physical science will include the study of solids, liquids, gases, the properties of atoms and the periodic table, chemical bonds and solutions. Environmental science will deal with populations and communities, ecosystems and biomes, living resources and land, and water and air resources.

Biology 1 1 year - 1 credit Course #: 222HS/223HS

(ONLY for students with an IEP) Taught in the odd years: 11-12, 13-14

Biology is a science course that covers the study of living things. Biology focuses on the study of life by examining the five fundamental concepts of cellular biology, genetics, ecology, evolution and physiology. It also focuses on science skills that scientists use. These skills include: asking questions, making predictions, designing experiments or procedures, collecting and organizing information, calculating data, making decisions, drawing conclusions, and exploring more options. Students may learn scientific writing skills and also examine current biological issues.

INTRODUCTION TO SCIENCE 1 year—1 credit Course #: 220HS/221HS

Pre-requisites: placement by teacher or counselor. Cannot be enrolled in this class if a more advanced science class has already been successfully completed.

This class is an introductory science at the freshman level of 4 disciplines: each of which is taught within a quarter time frame. Earth Science will study plate tectonics, earthquakes, volcanoes, and weather patterns. Biology will deal with the human body such as body structure, circulatory, respiratory, digestive, nervous and excretory systems. Physical Science will study solids, liquids, gases, the properties of atoms and the periodic table, and chemical bonds and solutions. Environmental Science will deal with populations and communities, ecosystems and biomes, living resources and land, and water and air resources.

INTRODUCTION TO BIOLOGY 1 year - 1 credit Course #: 206HS/207HS

Pre-requisites: Requires placement by teacher and counselor.

In this introduction to life science the student learns how biological concepts affect everyday living experiences. Lessons provide a wide spectrum of facts, concepts, terminology and laboratory practices that help the students prepare for future science courses.

BIOLOGY 250 1 year - 1 credit Course #: 208HS/209HS

Pre-requisite for Freshman: Placement According to 8th grade science scores. Must be enrolled in Algebra 1 .1 or better.

Biology 250 is designed to prepare students for more advanced science classes both at the high school and college levels. Special emphasis is given to the biochemical and a cellular structure of life, the genetic makeup of living organisms, as well as the internal organization of animals. A textbook provides students with the basic concepts and terminology, while dissections and other laboratory experiments will support the development of laboratory skills, critical thinking, and problem-solving techniques.

CONCEPTUAL CHEMISTRY 1 year - credit Course #: 228HS/229HS

Pre-requisite: Teacher Placement

This is a classroom laboratory course in Chemistry for high school students. Topics include the development of an Atomic Theory model, factors that influence chemical change, properties of the elements, chemical symbols, writing formulas, writing equations, stoichiometry, shape of molecules, and kinetics. Laboratory activities closely support the material presented in the textbook. This course should be part of the program for students who desire to continue beyond Biology.

CHEMISTRY 1 year - 1 credit

Course #: 212HS/213HS

Pre-requisite: Sophomores/Juniors/Seniors with Math through Algebra 1.1 or higher.

This is a classroom laboratory course in Chemistry for high school students. Topics include the development of an Atomic Theory model, factors that influence chemical change, properties of the elements, chemical symbols, writing formulas, writing equations, stoichiometry, shape of molecules, and kinetics. Laboratory activities closely support the material presented in the textbook. Problem-solving is an important part of Chemistry, hence the need for skill in math. This course should be part of the program for students who desire to continue their education beyond high school.

AP BIOLOGY 1 Year - 2 credits

Course #: 226HS/227HS

Pre-requisite: Biology 250 and full year of Chemistry.

AP Biology is a two credit course which meets the equivalent of five class periods per week. It features extensive content in biochemistry, biochemical genetics, cellular Physiology, evolution and an extensive survey of organisms. It is the equivalent of a two semester college course for Biology majors. This course prepares the student to take the Biology examination given by the national Advanced Placement Program in May. Success on this exam may entitle the student to college credit, advanced college placement, or both.

ADVANCED CHEMISTRY 1 Year - 1 credit

Course #: 214HS/215HS

Pre-requisite: Math through Algebra II and completion of Chemistry with a "C" average.

This course extends the concepts presented in Chemistry to include solution equilibrium, ionization and solubility, oxidation and reduction, the study of gases, acids, bases oxidation/reduction reactions, electrochemistry, and organic chemistry. This class is recommended for students interested in pursuing a career in science.

AP ENVIRONMENTAL 1 Year - credit

Course #: 230HS/231HS

Pre-requisite: Completed two years of high school science with one being Conceptual Chemistry with a C or higher or pass a full year of Chemistry and pass one year of Algebra.

The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science. It has been developed as a rigorous science course that stresses scientific principles, analysis, and a strong laboratory component. The goal of the AP Environmental Science course is to provide students with the interrelationships of the natural world, to identify and analyze environmental problems, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary. It embraces a wide variety of topics from different areas of study. There are several unifying themes that provide a foundation for the structure of the course.

PHYSICS 1 year - 1 credit

Course #: 216HS/217HS

Pre-requisite: Juniors and Seniors with math through Algebra II and have passed both semesters of Chemistry.

This course involves a study of mechanics, (motion and forces), heat, planetary motion, work, aerodynamics, friction, vectors, projectile motion, electricity, and magnetism. Laboratory activities are coordinated with the text materials, and problem solving is an important part of the content. Students who are interested in science, with the possibility of future career involvement, should definitely take this course.



SOCIAL STUDIES

(2 Credits - REQUIRED)

GEOGRAPHY I 1 semester - 1/2 credit **REQUIRED** Course #: 301HS
Freshman level

This course is an introduction to various geographic themes that will provide students with knowledge in the area of world differences and interdependencies. An emphasis is placed on the political and physical geography of the western hemisphere. Students will be building their skills on interpreting charts and graphs, labeling and recognizing maps, and understanding key geographic concepts.

GEOGRAPHY II 1 semester - 1/2 credit Course #: 302HS
Sophomore/Junior/Senior level

Geography II is a one semester course, and is an elective. This course builds upon the skills and facts learned in Geography I and follows much the same format. The course focuses on the Eastern Hemisphere. Students study these areas in terms of cultures, economic activities, resources, industries, major cities, and physical features. Students are required to do map work and projects with each unit. Current events concerning these areas are also discussed.

GEOGRAPHY III 1 semester. - 1/2 credit Course #: 303HS
Sophomore/Junior/Senior level only

Geography III is a one semester course. This course is an in depth study of Asia and Africa, focusing on Physical Geography, History, Cultures, Geopolitics and Regional Economics of the two Regions. Students are required to do map work and projects with each unit. Current events concerning these areas are also discussed.

AMERICAN GOVERNMENT—1 Semester—1/2 Credit **REQUIRED** Course #: 317HS

This course is an overview of American History from colonial times to the present day. Students study states, resources and physical features of the United States. The study of various levels of government, documents and institutions of the United States will be included. **The state required Illinois constitution and U.S. Constitution test is given in this course.**

AMERICAN HISTORY 1 1 year - 1 credit Course #: 306HS/307HS
Junior level (ONLY for students with an IEP)

This course is an overview of American History from colonial times to the present day. Students study states, resources and physical features of the United States. The study of various levels of government, documents and institutions of the United States will be included. **The state required Illinois constitution and U.S. Constitution test is given in this course.**

AMERICAN HISTORY 1 year - 1 credit **REQUIRED** Course #: 308HS/309HS
Junior level

American History is a study of the historical development of the United States from 1865 to the present. It is not only a historical survey, but also a study of the unique American culture, including the political development of our government and laws based on the U.S. Constitution, and the social development of American society and its people.

AP U.S. HISTORY 1 Year - 1 credit Course #: 325HS/326HS
Pre-requisite: "A" in all previous social studies classes or permission of instructor.
Juniors & Seniors

AP U.S. History is challenging course that is meant to be equivalent of a freshman college history course. Students can earn college credit by paying to take and then passing the AP U.S. History Test. The course is a two-semester survey of American History from the age of exploration to the present. An emphasis is placed on historical reading and writing, along with a willingness to devote considerable time to homework and study are necessary for success in AP U.S. History. A summer reading assignment is a requirement for taking the course.

GLOBAL AFFAIRS 1 semester - 1/2 credit Course #: 324HS
Junior/Senior level only

This course focuses on current issues taking place in the world today. The course will develop student skills in classroom discussions, public speaking, debating, and roles in cooperative groups. Participation is required.

CULTURAL DEVELOPMENT 1 semester. - 1/2 credit Course #: 329HS
Sophomore/Junior/Senior level only

One quarter each of Anthropology and Sociology. This class would provide students with an opportunity to reasonably consider how early man may have physically developed, while also showing their cultural development. The second half of the class would allow students to look at their own social standing in society, while exploring major social issues of today.

WORLD HISTORY 1 semester - 1/2 credit (Can take up to 2 semesters.) Course #: 314HS/315HS
Sophomore/Junior/Senior level

This subject may be taken one or both semesters. It is an overview of World History from pre-history to World War II. The emphasis is on European History. Major units include the Greeks, Romans, Medieval Period, and Renaissance in the first semester. The second semester covers The Rise of Nations, World Wars I and II, and Modern World History. Projects are required with each unit, as are discussion and participation.

MODERN WORLD HISTORY 1 semester. - 1/2 credit Course #: 321HS
Junior and Senior level only

This course is a historical review of the twentieth century and its current impact on the world. Focus is on historical happenings around the globe that do not necessarily include the United States. Possible topics are the Israeli-Palestinian Conflict, Latin America, Rise and Fall of the Soviet Union, and several Asian topics. This is a student-based class and a majority of the material selected and covered will be done by the student themselves. There will be several different projects throughout the semester.

CIVIL WAR 1 semester. - 1/2 credit Course #: 319HS
Sophomore/Junior/Senior level only

Through the use of slides, maps, and numerous artifacts, you will explore the pre-war climate from 1840, major battles, decisive campaigns, and post-war reconstruction period. You will also get a firsthand look at the life and hardships endured by the soldiers. Relive some of the most turbulent times in U. S. history through the many hands-on activities planned for this class. Civil war is a detail and lecture oriented class!

CIVIL RIGHTS 1 semester - 1/2 credit Course #: 316HS
Sophomore/Junior/Senior level only

This course explores the social, political, cultural, and economic developments of the United States since the end of Reconstruction. Lectures, discussions, and course assignments will focus on the diversity of the American peoples and their competing beliefs regarding the nation's culture, government, and identity. Topics include: immigration; racial identity and conflict; the growth of the economy and class formation; urbanization and social reform. Students will gain a greater awareness of how our society has developed and what historical factors were involved in the process.

PSYCHOLOGY 1 semester. - 1/2 credit Course #: 322HS
Junior/Senior level

This is an introductory course, which introduces students to the goals of Psychology, explores branches of applied and research psychology, and introduces the six approaches to Psychology. There will be an overview of the physiological structures of the brain and body and their effects on behavior, as well as units on teenage stress, coping, addiction, mental disorders, and the treatment of mental disorders. Current mental health issues are discussed daily, as each student is required to prepare and lead a class discussion on an issue related to psychology. Students will complete a research paper on careers in psychology, a presentation on brain disorders, and a presentation on mental disorders.

SPECIAL EDUCATION COURSES

STRATEGIES 1 *1 Year/ 1 Credit*

Course #: 1062HS/1063HS

This course is designed to provide students with a foundation and an overview of learning strategies. Research has demonstrated that learning strategies are a powerful tool that can be effectively taught to all students. These instructions that are associated with teaching students to use learning strategies: which will enable students to cope effectively with curricular demands and to generalize the use of the new skills in a variety of settings. Settings include; content classes, home and employment. The goal of each strategy class is to learn skills, apply to content classes and perform tasks independently. Strategies focus will include, but not limited to skills used to memorize and store information, reading and writing strategies and self advocacy.

The course will also focus on career preparation for life after high school; students' will be prepared for the 21st century workplace and independent living. Students' will research and explore careers, make career decisions, find job openings, applying and interviewing for jobs. Independent living skills such as money management, technology, and balancing work and personal life will be covered.

STRATEGIES 2 Pre-requisite: Strategies 1 *1 Year / 1 Credit*

Course #: 1068HS/1069HS

STRATEGIES 3 Pre-requisite: Strategies 2 *1 Year / 1 Credit*

Course #: 1075HS/1076HS

VOCATIONAL STRATEGIES *1 Year / 1 Credit*

Course #: 1077HS/1078HS

Seniors Only

READING : *Year / 2 Credits Double Blocked (Meets every day)* Course #: 009HS/010HS

Read 180 is an intensive reading intervention program that helps confront the problem of adolescent illiteracy and special needs reading on multiple fronts, using technology, print, and professional development.

READING 2 : *1 Year / 2 Credits Double Blocked (Meets every day)* Course #: 1066HS/1067HS

A continuation of Read 180 I. The program directly addresses individual needs through differentiated instruction, adaptive and instructional software, high-interest literature, and direct instruction in reading, writing, and vocabulary skills.

GENERAL MATH : *1 Year / 1 Credit* Course #: 132HS/133HS

This course is designed to provide students with a foundation and an overview for the foundations of Algebra 1. General Math is the beginning course of the advancement to Algebra. The content covered, but is not limited to, consists of integer operations, analyzing data, solving simple equations, problem solving, order of operation, fractions (ratios), decimals percents, area, volume, surface area, proportions, angles, and triangles.

INTRO TO ALGEBRA : *1 Year/ 1 Credit* Course # 134HS/135HS

Content includes: Whole numbers using letters; Replacing variables; Using decimals; Number Theory; divisibility rules, factoring, least common multiple, greatest common factor, scientific notation; Rational numbers and fraction, basic operations, rational expressions; Ratios, proportions, percent; integers, exponents; Intro to geometry principles.

ALGEBRA 1 : *1 Year/1 Credit* Course #: 136HS/137HS

Introduction to traditional algebra content; Pythagorean theory, similar triangles, simultaneous equations; solution strategies involving straight-line equations on the coordinate system; exponents, signed numbers; facility with problems that refer to fractions, decimals, and percent; data tables or graphs, and a wide range of word problems that involve rate, proportion, probability, and algebraic solutions.

BIOLOGY 1: 1 year/ 1 Credit (ODD Years Only, 2013-2014) Course #: 222HS/223HS

Biology is a science course that covers the study of living things. Biology focuses on the study of life by examining the five fundamental concepts of cellular biology, genetics, ecology, evolution and physiology. It also focuses on science skills that scientists use. These skills include: asking questions, making predictions, designing experiments or procedures, collecting and organizing information, calculating data, making decisions, drawing conclusions, and exploring more options. Students may learn scientific writing skills and also examine current biological issues.

GENERAL SCIENCE: 1 year/ 1 Credit (EVEN Years Only, 2012-2013) Course #: 224HS/225HS

This course is designed to provide students with a foundation and an overview of General Science, which includes but is not limited to, earth science, physical science, and environmental science. Some topics discussed in earth science consist of plate tectonics, earthquakes, volcanoes, and weather patterns. Physical science will include the study of solids, liquids, gases, the properties of atoms and the periodic table, chemical bonds and solutions. Environmental science will deal with populations and communities, ecosystems and biomes, living resources and land, water and air resources.

AMERICAN HISTORY 1 1 year - 1 credit

Course #: 306HS/307HS

Junior level

This course is an overview of American History from colonial times to the present day. Students study states, resources and physical features of the United States. The study of various levels of government, documents and institutions of the United States will be included. The course meets requirements for high school graduation for American history and American government. **The state required Illinois constitution and U.S. Constitution test is given in this course.**

ENGLISH AS A SECOND LANGUAGE

ESL Study Skills 1 year – 1 credit

Course #: 1312HS/1313HS

ESL Students Only or Instructor Permission

This course gives students the opportunity to complete classroom assignments, projects, and study for tests with the support of an ESL teacher. Students are graded based on the amount of work and effort done in the class.

FOREIGN LANGUAGE

FRENCH 150 *1 year - 1 credit*

Course #: 720HS/721HS

Pre-requisite: Must be enrolled in English 100 your Freshman year.

Sophomores, Juniors and Seniors must have a "C" average in English the previous year.

French 150 is a full-year introductory course designed to establish correct habits of speech in the target language through participation and performance of reading, writing, speaking, and listening activities completed individually and in cooperative groups. Much of the course is conducted in French. Grammar study is interrelated with communication skills. Cultural traditions of French-speaking countries are studied throughout the course.

FRENCH 250 *1 year - 1 credit*

Course #: 722HS/723HS

Pre-requisite: "C" or above in French 150

French 250 is a full-year course designed to further develop those speaking, reading, writing, and listening skills acquired in French 150. There is an increasing emphasis on writing and reading as the course progresses. Much of the course is conducted in French. Grammar, communication, and cultural study are continually studied throughout the course.

FRENCH 350 *1 year - 1 credit*

Course #: 724HS/725HS

Pre-requisite: "C" or above in French 250

French 350 is a full-year course designed to continue building upon French communication skills acquired in French 250. Students participate in reading, writing, speaking, listening, and cultural activities. Reading and writing skills are increasingly more advanced. The course is conducted primarily in French.

FRENCH 450 *1 year - 1 credit*

Course #: 726HS/727HS

Pre-requisite: "C" or above in French 350

French 450 is a full-year course designed to develop greater fluency in French through reading, writing, speaking, listening, and cultural activities. The class includes reading and interpretation of major French literary works. The course is conducted primarily in French.

SPANISH 150 1 year - 1 credit Course #: 700HS/701HS

Pre-requisite: Must be enrolled in English 100 Freshman year.

Sophomores, Juniors and Seniors must have a "C" average in English the previous year.

Spanish 150 is an introductory course designed to establish correct habits of speech in the language through performance in reading, writing, speaking and listening activities performed both individually and in cooperative groups. These skills are developed progressively. Because the key to success in foreign language lies in exposure to the language, much of the class instruction is conducted in Spanish. Grammar study is interrelated with communication skills. Cultures of Spanish-speaking countries are studied throughout the course.

SPANISH 250 1 year - 1 credit Course #: 702HS/703HS

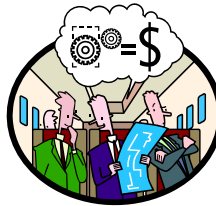
Pre-requisite: "C" average or above for each semester in Spanish 150—or with teacher permission.

Spanish 250 is designed to further develop those speaking, reading, writing, and listening skills acquired in Spanish 150. There is an increasing emphasis on writing and reading as the course progresses. Because the key to success in foreign language lies in the active use of the language, teachers and students use predominantly Spanish in the classroom. Grammar study is continued through written context and interactive communication skills. Cultures of Spanish-speaking countries are studied throughout the course.

SPANISH 350 1 year - 1 credit Course #: 704HS/705HS

Pre-requisite: "C" average or above for each semester in Spanish 250—or with teacher permission.

This course builds on the skills acquired in Spanish in the classroom through speaking-reading comprehension activities. Spanish is studied.



Spanish 250. Students will continue to use reading and writing activities, and listening and speaking activities. Spanish-speaking countries and cultures will also be studied.

SPANISH 450 1 year - 1 credit

Pre-requisite: "C" average or above for each semester in Spanish 150—or with teacher permission.

Course #: 706HS/707HS
each semester in Spanish 150—or with teacher permission.

This course will be divided into two semester courses. One semester will focus on grammar and writing. The other semester will focus on literature, culture, and use of the language. Both will have speaking and composition elements.

SPANISH FOR NATIVE SPEAKERS 1 year—1 credit Course #: 708HS/709HS

Pre-requisite: No student may have this course for more than 3 years.

The Spanish for Native Speakers course will be divided into three year long courses. One year focuses on the history and culture of Spain and South America. Another year focuses on the history and culture of Mexico, and the last year is about Central America, and the Caribbean Islands. All courses will focus on learning grammar through reading and writing Spanish.

BUSINESS

BASIC COMPUTER APPLICATIONS I 1 semester - 1/2 credit **REQUIRED** Course #: 804HS
(PERMISSION ONLY) See description for Computer Applications below.

COMPUTER APPLICATIONS I 1 semester - 1/2 credit **REQUIRED** Course #: 805HS
Pre-requisite: none

This orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing and management. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications, such as word processing, spreadsheets, database management, presentation software, and desktop publishing. Students will explore topics related to computer concepts, operating systems, telecommunications and emerging technologies. The development of employability skills, as well as transition skills, will be included in the course as well as an understanding of the ethical considerations that arise in using information processing equipment and gaining access to available databases. This course provides skills necessary in the workplace.

(CTE COURSE 10004A001)

RECORD KEEPING 1 semester- 1/2 credit Course #: 809HS
Pre-requisite: none

Students will learn essential functions of small-business record keeping. They will learn skills necessary to prepare them for entry-level jobs including such things as budgeting, financial planning, cashier's records, handling of money, payroll, accounts payable and receivable, financial statements, and tasks common to simple office practices. Skills will be used in everyday business activities, as well as, personal use. (CTE COURSE 12007A001)

ACCOUNTING I 2 semester- 1 credit Course #: 816HS/817HS
Pre-requisite: Sophomore-Seniors only.

This course is highly recommended for students who plan to study any field of business in college. The study of accounting emphasizes the accounting principles and concepts necessary to process financial data. Students acquire the background essential for a solid foundation for the further study of accounting, as well as work in a wide range of accounting, clerical, and data processing jobs or any other business field. This course will demonstrate to the student the benefits of personal budgeting and finance management. It provides a skill which can greatly improve a student's employability while in or after high school or college. In addition to stressing basic fundamentals and terminology of accounting, instruction provides understanding of the preparation of financial reports, general ledger entries, operation of related business machines and equipment and career opportunities in the accounting field. (CTE COURSE 12104A001)

ACCOUNTING II 2 semester- 1 credit Course # : 830HS/831HS
Pre-requisite: Junior-Seniors only, completed Accounting 1

Accounting II is a course that builds upon the foundation established in Accounting I. This course is highly recommended for students who plan to study any field of business in college. This is an introductory college accounting course. It includes departmentalized accounting, cost accounting, tax accounting, payroll accounting, accruals, deferrals, controlling financial resources, and accounting for partnerships and corporations. Simulated business conditions may be provided through the use of practice sets. Skills are developed in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications. (CTE COURSE 12104A002)

BUSINESS LAW 1 semester- 1/2 credit
Pre-requisite: Sophomore-Seniors only.

Course # : 823HS

This course introduces students to the law, origins, and the necessity of the legal system. An emphasis is placed on how law applies to business. Course topics include, but are not limited to, contract law, sales, employee/employer relations, property ownership, warranties, crimes, and the law as it applies to minors. Students will discuss one's legal rights, benefits, duties, obligations, and legal liabilities. The course gives students a general background in Business Law and is helpful to students pursuing further education, as well as, those who will not. Students will share in current event discussions as they pertain to the law and engage in various role playing activities such as mock trials. (CTE COURSE 12054A001)

BUSINESS & TECHNOLOGY 2 semester- 1 credit
Pre-requisite: Sophomore-Seniors only.

Course # : 832HS/833HS

This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as, the basic functional areas of business (finance, management, marketing, administration and production). Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. Emphasis will be placed on using the computer while studying applications in these careers along with communication skills (thinking, listening, composing, revising, editing, and speaking), math and problem solving. Business ethics as well as other workplace skills will be taught and integrated within this course. This information leads into the second semester meeting the consumer education requirement by studying topics including but not limited to installment purchasing, financial literacy, homeownership, and an understanding of the roles of consumers interacting with agriculture, business, labor unions and government in formulating and achieving the goals of the mixed free enterprise system. ***This course meets the consumer education (consumer economics) graduation requirement (must take and pass both semesters to earn the Consumer Economics Credit).*** (CTE COURSE 12001A001)

MARKETING/DIGITAL GRAPHICS 1 semester - 1/2 credit Course # : 829HS
Pre-requisite: Sophomore-Seniors only

This course explores the basic principles of marketing such as the creation of concepts, strategies, and the development of marketing plans. Students learn about the components of the marketing mix, target marketing, sponsorship, event marketing, promotions, proposals, celebrity endorsements, and execution of planning. This course emphasizes strong decision making, critical thinking, and collaborative skills to complete group marketing projects throughout the semester. Marketing introduces students to this exciting field, which includes advertising, consumer research, product development, packaging, and selling. Students will be challenged to create new marketing ideas as they analyze current marketing trends. Students will also explore the legal aspects of these industries. Real life projects utilizing digital graphic tools will allow students to demonstrate their understanding of these areas. This course will examine the impact of marketing in our everyday lives, as well as teach many critical business concepts to ready students for a career in the area of marketing. (CTE COURSE 12055A001)

MULTIMEDIA/WEB DESIGN 1 1 semester - 1/2 credit

Course #: 819HS

Pre-requisite: Sophomore-Seniors only.

This skill-level course is designed to prepare students to plan, design, create and maintain web pages and sites. Students will work in a project-based environment to create a working website. Students will learn to create pages, add hyperlinks, make tables and frames, create forms, integrate images, and set styles. Students will use image-editing programs to manipulate scanned images, computer graphics, and original artwork. Instruction will include creating graphical headers, interactive menus and buttons, and visually appealing backgrounds. Students will use hardware and software to capture, edit, create, and compress audio and video clips. The course provides students with the foundation skills needed for a career in the technical aspects of web design, broadcasting and multimedia. Instruction also includes presentation skills, animation, camera operation, video editing, pre-production, production, and post-production processes, and audio mixing. Students will write, direct, announce, and assemble raw footage into a polished production. (CTE COURSE 10201A001)

MULTIMEDIA/WEB DESIGN 2 1 semester - 1/2 credit

Course #: 820HS

Pre-requisite: Sophomore-Seniors only, completed Multimedia/Web Design 1

This skill-level course is for students who have completed Multimedia/Web Design 1. Instruction will include using multimedia authoring applications and programming tools such as JavaScript to create a web site that combines text, hyperlinks, images, video, and sound. Instruction will include using hardware and software to capture, edit, create, and compress audio and video clips as well as create animated text, graphics, and images. Other topics will include using tables to align images with text, creating newspaper-style columns, and inserting side menus and call-outs. Students will learn how to use templates, cascading style sheets and interactive elements to enhance web pages. Students will learn to create dynamic forms that include multiple-choice questions, comment boxes, and buttons. Students will learn how to connect to a database and retrieve and write data. Students will learn the fundamentals of web design using industry standard software, as well as, enhance sites with images, video, sound, and animation. Instruction also includes presentation skills, animation, camera operation, video editing, pre-production, production, and post-production processes, and audio mixing. Students will write, direct, announce, and assemble raw footage into a polished production meeting broadcast industry technical standards. (CTE COURSE 10201A002)

CONSUMER ECONOMICS 1 semester - 1/2 credit **REQUIRED**

Course #: 327HS or 328HS for KEC Students

Senior Level (*unless student received a passing grade in Business & Technology*)

This is a senior level course required for graduation. Learning experiences emphasize the vocabulary, knowledge, skills, and understanding of basic economic principals as they relate to young wage earners and adult consumers. A nine-week portion of this semester class is devoted to the study of universal economic principles including microeconomics, macroeconomics, understanding the US monetary system, examining how supply and demand factors influence our daily lives, and comparative economic systems. A number of other economic issues related to entrepreneurship, taxpayers, and the free-enterprise system are included, as well as discussions of problems facing the US economy in the 21st century.

CO-OP CLASS 1 year - 1 credit Junior/Senior—Must apply to be in the class. Course #: 824HS/825HS

Students may be involved in a work-study program during their junior and/or senior years. Students are required to take a class (Co-op) for one credit and receives two credits for on-the-job training.

ON-THE-JOB TRAINING 1 year - 2 credits

Course #: 826HS/827HS

Interrelated Cooperative Education provides training to high school students through on-the-job experiences related to the students' career goals and abilities. Learning experiences in an employment situation are correlated with the Co-op classroom experience.

INDUSTRIAL DESIGN

ORIENTATION TO TECHNOLOGY 150 (TECH I) 1 year – 1 credit Course #: 900HS/901HS
All Grades

Orientation This is a beginning course of general drafting fundamentals in which the students learn the use of drafting, equipment, and materials and techniques as a universal means of technical communication. Drafting techniques are studied and drawings made with emphasis on the concepts of shape and size description through multi-view and pictorial drawings as used in mechanical drawings. The student will also learn to apply basic methods and techniques needed to make architectural drawings. Freehand technical sketching and lettering are practiced as a rapid method of expressing ideas. The student becomes acquainted with various occupations and opportunities requiring a working knowledge of drafting. There may be some expense for drafting supplies and shop/lab materials.

TECHNICAL DRAFTING 250 (TECH II) 1 year – 1 credit Course #: 902HS/903HS
Sophomore, Junior, and Senior
Pre-requisite: Orientation to Technology 150

Skill Development This is an advanced course in technical drawing, consisting of machine related drawing including developmental views, sectional views, auxiliary views, exploded views, assembly drawings, thread-work, tolerancing, dimensioning and other related areas. Computer assisted drafting equipment and concepts are introduced. Coursework will also deal in architectural related drafting including designing, making pictorial drawings, and scale models of buildings. Conventional design methods utilizing efficient use of space and materials are stressed. 3D and blueprint design techniques will be introduced. There may be some expense for drafting supplies and shop/lab materials.

PRODUCTION TECHNOLOGY SHOP 1 year – 1 credit Course #: 904HS/905HS
Junior and Senior
Pre-requisite: Orientation to Technology 150

Skill Development This course utilizes the basic skills learned in Orientation to Technology to begin a study of Production Technology and woodworking. Students will use shop tools and equipment to gain experience and understanding in the production of various projects. Skills in both individual and team approaches to problem solving will be developed. Projects will consist of school improvement activities, community projects, and cooperative projects with other classes/clubs. Planned learning activities will allow students to become knowledgeable of fundamental principles and methods to develop technical skills related to masonry, carpentry, and finish work. Instruction includes safety principles and practices, recognition of standard lumber sizes; foundation layout methods; building concepts and procedures; local, state and national codes; cost estimating and blueprint reading. Appropriate safety procedures will be taught and practiced in all phases of shop activities. Leadership skills are developed through participation in industrial education student organizations. There may be some expense for shop/lab materials.

INDEPENDENT CAD (TECH III) Course #: 906HS/907HS
KEC # 274 Junior, Senior
Pre-requisite: Mechanical Drafting 250 and permission of Instructor.

This course provides a strong background for students interested in fields requiring technical drawing skills. The preparation of students for advanced work in post-secondary programs or for semi-skilled job entry is emphasized. Students work with instructor on developing individualized curriculum pertaining to the area of student interest. The student is given the opportunity to explore and apply previously learned skills in the areas of architecture, structures, design, machine drafting, electronic/electricity drafting, graphical representation, technical writing or similar fields. Using and producing Computer Assisted Drafting drawings using AutoCAD 2012, Design Academy and Google Sketchup software are the major areas of focus.

AGRICULTURE & HORTICULTURE

INTRODUCTION TO AGRICULTURE 1 year - 1 credit Course #: 400HS/401HS

Freshman

(Sophomores, Juniors & Seniors with Instructor Permission)

This orientation course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influences of agriculture at state, national, and international levels; and the scope and types of job opportunities in the agricultural field. (*Agricultural jobs account for 21% of all jobs in Illinois and 22% on the National Level.*) Applications are presented in animal science, plant/crop science, soil science, natural resources, agribusiness management, agricultural mechanics, environmental science, agricultural careers, life skills, leadership/goal setting and FFA. Students are required to start or develop an SAE (Supervised Agricultural Experience) by January 1st.

AGRICULTURAL SCIENCE* 1 year—1 credit Course #: 414HS/415HS

Pre-requisite: Intro to Agriculture

Sophomores

(Juniors & Seniors with Instructor Permission)

This orientation course builds on basic skills and knowledge gained in the Introduction to the Agricultural Industry course. Major units of instruction include agricultural research, soil science, advanced plant science, biotechnology, advanced animal science, food science, and environmental science. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area.

* This course counts as a high school science, but most 4 year colleges will not accept this as a science course.

INTRODUCTION TO HORTICULTURE 1 year - 1 credit Course #: 404HS/405HS

Freshman and Sophomores

(Juniors & Seniors with Instructor Permission)

This course is designed to develop knowledge and skills in the following areas: using soil and other plant growing media; identifying horticultural plants; propagating horticultural plants; basics of growing horticultural plants in greenhouse and nursery settings, constructing, maintaining and using plant-growing structures; operating, repairing and maintaining equipment used in the horticultural field

* This course counts as a high school science, but most 4 year colleges will not accept this as a science course.

GREENHOUSE PRODUCTION AND FLORAL DESIGN

1 year - 1 credit

Offered in Odd Years (2013/2014)

Course #: 406HS/407HS

Pre-requisite: Introduction to Horticulture

Juniors and Seniors

This course builds on experience previously developed in Introduction to Horticulture class. This course focuses on the greenhouse management, greenhouse work, floral design and related segments of the horticulture industry. Major units of study include floriculture plant identification, greenhouse structures, and the culture of greenhouse crops. Also included is care and handling of cut flowers, principles of art applied to floral design, and the mechanics of floral design and sales. Students will get to design their own arrangements. Some arrangements will be available for the students to purchase at cost during the unit.



LANDSCAPING AND TURF GRASS MANAGEMENT

1 year - 1 credit

Offered in even years (2012/2013)

Course #: 412HS/413HS

Pre-requisite: Introduction to Horticulture

Juniors and Seniors

This advanced course focuses on the landscape, nursery, and turf segments of the horticulture industry. Units of study include: identifying landscape plants, designing landscape plans, hardscape construction techniques, and installing landscape plants. Also included are nursery production, turf grass production, and maintenance of existing landscapes. Agribusiness units will cover calculating prices for work, managing a horticulture business, advertising, and sales. Improving workplace and computer work skills will be an area of emphasis.

AGRICULTURE MECHANICS AND TECHNOLOGY

1 year - 1 credit

Offered in even years (2012/2013)

Course #: 410HS/411HS

Pre-requisite: Introduction to Agriculture and Ag Science

Juniors and Seniors

This course will concentrate on expanding student's knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are: design, construction, fabrication, maintenance, welding, electricity/electronics, internal combustion engines, hydraulics, and employability skills. Careers on agricultural construction engineer, electrician, plumber, welder, equipment designer, parts manager, safety inspector, welder, and other related occupations will be examined. **In 4th quarter students will design, fund, and complete a 5 week project. Examples would be working on a motor bike or making welding tables. Tools will be provided for your project, but materials and parts will not. Students are responsible for providing their own supplies for their projects. Be sure your project is something you can afford.**

AGRICULTURE BUSINESS*

1 year - 1 credit

Offered in odd years (2013/2014)

Course #: 408HS/409HS

Pre-requisite: Introduction to Agriculture and Ag Science

Juniors and Seniors

****Passing a full year of AG Business counts as a 1/2 Credit of Consumer Economics**

This course is designed to develop student knowledge and skills in operating an agribusiness. Instructional units include: establishing, managing, and financing of the agribusiness, marketing and advertising, product development, sales techniques and strategies, communicating with employees and customers, and studying various agricultural companies and career opportunities. Computer software applications and the Internet will be integrated through data management, inventories, and accounting. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications.

*Passing the full year of this course counts as the semester Consumer Education Requirement.

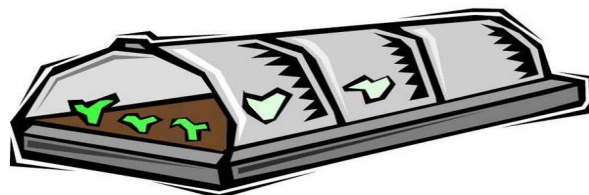
SUPERVISED AGRICULTURAL EXPERIENCE (SAE) 1 semester—1/2 credit

(Can earn up to 3 credits over three years) (pass/fail grade)

Course #: 416HS/417HS

Sophomores, Juniors and Seniors

This course is for FFA members who are keeping a FFA record book. This course will not have a specific class time as the work is done outside of class. The teacher will help in supervision of the SAE projects, keeping records, and visits if need for the project.



FAMILY & CONSUMER SCIENCE

Allergens including tree nuts, peanuts, wheat, soy, fish, shellfish, milk, and eggs are used in all culinary courses and may come into contact with other food products, equipment, and/or surfaces being used.

NUTRITION & CULINARY ARTS ESSENTIALS 1 semester - 1/2 credit Course #: 657HS

This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. The course provides a background for advanced coursework. The areas of emphasis include: basic nutrition knowledge; measurement skills; use of basic kitchen equipment; food safety, and the prevention of food-borne illnesses, cooking methods, simple food preparation (fruit, vegetables, eggs). **(16054A001)**

NUTRITION & CULINARY ARTS I 1 semester - 1/2 credit Course #: 658 HS

Pre-requisite: C or better in Nutrition & Culinary Arts Essentials

This intermediate course includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applied nutrition for people of all ages. The course content centers around the following areas: etiquette, nutrition, baking (cookies & quick breads), careers in nutrition and culinary arts and food preparation (grains, meat, poultry, fish, salads). **(16054A001)**

NUTRITION & CULINARY ARTS II 1 semester - 1/2 credit Course #: 659HS

Pre-requisite: C or better in Nutrition & Culinary Arts I

This course provides basic skill development for continued course work in food service occupations, meeting health and safety requirements in planning, preparing and serving food; maximizing resources when planning/preparing/serving food; promoting hospitality in food practices; and dietary needs and trends. Safety and sanitation, and careers in food service industries are also included. All of these concepts can be interpreted through laboratory experiences. The course also focuses on the following food preparation areas: milk, cheese, soups, and baking (yeast breads, simple cakes, & pies). **(16054A002)**

MULTICULTURAL FOODS 1 semester - 1/2 credit 2011/2012 Course #: 655HS

Pre-requisite: B or better in Nutrition & Culinary Arts II
Junior/Senior level

Offered in Odd Years 2011/2014

This course provides students the opportunity to improve their culinary skills while exploring world cultures through food. Students are introduced to a variety of regional, national and international cuisines with a focus on elements such as geography, climate, dietary habits associated with cultural beliefs, and the association of foods with specific holidays. Preparation of ethnic and regional recipes allows for application and the development of knowledge and skills in culinary arts. **(16054A002)**

PASTRY ARTS 1 semester - 1/2 credit Course #: 656HS

Pre-requisite: B or better in Nutrition & Culinary Arts II
Junior/Senior level

Offered in Even Years 2012/2013

This course is designed to provide students with practical application in the areas of cake production and design, candy making, and pastries. Emphasis will be placed on baking techniques and product presentation. Information and experiences related to pastry arts are incorporated throughout the course. This course also has a portfolio element. **(16054A002)**

CHILD DEVELOPMENT & PARENTING 1 semester - 1/2 credit Course #: 660HS

Sophomore/Junior/Senior level

This course addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The focus is on research-based nurturing and parenting practices and skills, including brain development research, that support positive development of children. This course is designed to help students think through the responsibilities, satisfactions, and stresses of parenthood. Special attention is given to the needs of teenage parents and to the importance of readiness for parenthood. Students are responsible for the care of a computerized baby for a time determined by the teacher and will explore opportunities in human services and education-related careers and develop a career portfolio. **(19052A001)**

ART

ART 150 - ART FUNDAMENTALS 1 year - 1 credit

Course #: 500HS/501HS

A beginning level year long Art class which directs students in the processes and techniques basic to visual arts. Drawing, printmaking, ceramics, commercial art, design, sculpture and painting are introduced. The student will develop an art vocabulary, awareness of art careers and a variety of art skills.

ART 200—Drawing 1 semester. - 1/2 credit

Course #: 502HS

Pre-requisite: Art 150

A semester long course designed to give students more training and experience in the fields of drawing and design. Subjects and surfaces will vary with each assignment, including life drawing work, commercial art, and abstract art. Materials such as pencil, ink, charcoal and pastels will be explored.

ART 220 - PAINTING WORKSHOP 1 semester - 1/2 credit

Course #: 503HS

Pre-requisite: Art 150

This semester long course is an introduction to the media and the techniques of painting. The emphasis is on paint handling techniques and color theory. A variety of compositional approaches will allow students to discover different styles. Watercolor, tempera and acrylic paints, and oil pastels will be used.

ART 230 - THREE DIMENSIONAL STUDIO 1 semester - 1/2 credit Course #: 504HS

Pre-requisite: Art 150 & Art 200

This semester long course provides students with the skill of designing relief sculpture and sculpture in the round. Students investigate and learn to work with the qualities of materials such as paper, plaster, clay, wood, and found objects.

Art 240 DIGITAL PHOTOGRAPHY 1 semester– 1/2 credit Course #: 508HS

Pre-requisite: Art 150, Art 200 and Art 220

Digital Photography class for serious artists. Students will learn the fundamentals of taking a photo, portraits, self-portraits, fine art photos, black and white photography, and photo journalism.

Students are required to have their own digital camera, folder or binder, e-mail address & flash drive.

ART 300 - INDEPENDENT ART 1 year - 1 credit Course #: 506HS/507HS

Pre-requisite: Completion on Art 150, 200, 220, and 230 with grades of "A" or "B" in ALL classes and MUST meet with teacher with your portfolio for consent will be given.

This year long class is geared toward the serious art student. The student must be able to work independently to come up with and create their own art ideas, and expand upon methods previously learned. Those considering a career in art will work on developing a portfolio. All students must keep a sketchbook outside of class. All students must complete a sketch book over the summer before beginning the independent art class, and show the teacher before class begins.

May be repeated. Juniors and

Seniors ONLY.



MUSIC

MUSIC THEORY 1 semester. - 1/2 credit Course #: 600HS

Sophomores, Juniors, Seniors

Pre-requisite: Teacher Permission: Students must have the ability to read musical notation as well as demonstrate performance competency on an instrument or voice.

Music Theory is designed to encompass an in-depth study of the fundamental elements of music: pitch, rhythm, melody, harmony and form; and to explore the theoretical constructs of the 17th, 18th, 19th, and 20th centuries. Through improvisation, composition, analysis, critical listening and performance, the elements of music will be examined for their distinctive roles in musical organization. The course will also provide an overview of the historical, cultural and artistic setting of the works utilized for illustrative purposes.

MUSIC APPRECIATION (formerly AMT) 1 Semester.—1/2 credit Course #: 617HS

American Music Appreciation (AMA) is a course that focuses on the cultural origin of American Popular Music for the 10th Century. This course will focus on the development and social interaction of Broadway, Jazz, Rock, Hip Hop and many others. Students will gain a deeper knowledge of musical influence on American culture through analysis, application and both critical and creative thinking.

CONCERT BAND 1 year - 1 credit Course #: 603HS/604HS

The Concert Band is a performing ensemble whose goal is to perform the highest possible level of wind literature possible. By focusing on the fundamentals necessary for a high school band to progress in musical ability, the concert band will strive to consistently mature as an ensemble. The goals of this ensemble are to build proper technique, tone, intonation, rhythm, and sight-reading skills.

Participation in the Concert Band includes full participation in the Genoa-Kingston High School Marching Band and the Pep Band.

Students enrolled in the Concert Band will be provided with a number of performance opportunities that include participation in the Phantom Regiment Marching Band Festival and the IHSA Solo and Ensemble and Organizational Contests, as well as tours of out of state venues.

JAZZ ENSEMBLE 1 year - 1 credit Course #: 612HS/613HS

Pre-requisite: Instructor approval by audition only.

The Jazz Ensemble is a performing ensemble that strives to perform the highest level of jazz literature possible. Students will perform a variety of styles ranging from Swing and Be-Bop to Rock and Jazz. The Jazz Ensemble performs at numerous school and community events and festivals. Participation in the Jazz Ensemble provides the opportunity to discover great jazz musicians on every instrument, as well as perform with professional jazz musicians.

Because of the strong performance demands of the Jazz Ensemble, participation in the Concert Band as well is strongly encouraged.

PERCUSSION ENSEMBLE 1 year - 1 credit Course #: 614HS

Pre-requisite: Instructor approval only.

The Percussion Ensemble participates fully in all performances and obligations of the Concert Band. Additionally, students will have the opportunity to learn winter drum line and percussion ensemble music to perform at concerts and IHSA Solo and Ensemble contest. Students are admitted into Percussion Ensemble by instructor approval.

CHORUS 1 year - 1 credit Course #: 607HS/608HS

Chorus is open to students in grades 9 through 12. Students are expected to attend several performances scheduled throughout the school year. Students will develop vocal technique in a variety of musical styles, ranging from the Middle Ages to contemporary literature.

CHAMBER CHORUS 1 year - 1 credit Course #: 609HS/610HS

Sophomores, Junior, Seniors

Pre-requisite: Instructor approval by audition only.

This performance-based group is open to grades 10 through 12 through auditions held at the director's discretion. Advanced choral techniques will be studied, but the focus of the class is on performance of several different styles of literature. Students are accepted into Chamber Chorus via instructor approval.

PHYSICAL EDUCATION, HEALTH & DRIVERS EDUCATION

PHYSICAL EDUCATION 1 year - 1 credit **3 1/2 CR. REQUIRED**

Course # for Semester 1: 952AHS/952BHS Course # for Semester 2: 953CHS/953DHS
P.E. includes a variety of individual, dual, and team sports. Effort, participation, dress, conduct, skill, and written tests determine the grade. Three and one-half years are required for graduation.

PERSONAL FITNESS 1 semester. - 1/2 credit

Pre-requisite: "B" average or above in previous semester of Physical Education/Fitness
Course # for Semester 1: 954AHS/954BHS Course # for Semester 2: 955CHS/955DHS

This semester class is offered as an extension of the regular physical education curriculum. It will provide a unique opportunity to participate in a weight room setting working on each student's choice of weight programs. There is also classroom component dealing with areas such as musculoskeletal fitness, nutrition, cardiovascular endurance, speed and agility training, body mechanics and other current health issues. **Students must maintain a B average or above to remain in the class.** A student will be dropped at semester if the B average or above is not maintained or the student has had more than one no dress. No students may be added or dropped after one week into the semester.

ATHLETIC PE 1 Semester - 1/2 credit Course # 958HS/959HS

Pre-requisite: Any student/athlete involved in 1 sport at Genoa-Kingston High School

Strength and conditioning is an athletic based PE Course focusing on strength training, speed development, agility and conditioning. The course is available to any student/athlete who is/will participate in at least on IHSA recognized sport during the school year.

HEALTH EDUCATION 1 semester - 1/2 credit **REQUIRED** Course #: 951HS

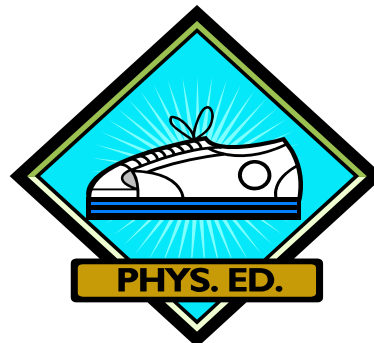
Taken in the Freshman year, this health education class is designed to aid a student to understand the facts, concepts and generalizations of mental health, personal health, diseases in our environment, drug/alcohol/tobacco use in our society, and human sexuality and life styles. Students will receive training in Community CPR and standard First Aid.

DRIVERS EDUCATION 1 Quarter (9 weeks) - 1/2 credit **REQUIRED**

Sophomores get placed first by birth date. Any open spots will then be filled by Freshman according to birth date.

State Requirement states that you must pass at least 8 classes in the previous 2 semesters to take Dr. Ed..

Classroom/Behind-the-Wheel training. The State of Illinois requires a minimum of 30 hours of classroom instruction and six hours of Behind-the-Wheel. Some of the units of instruction include basic car control, DUI and driving, basic car maneuvers, handling emergencies, interacting at intersections, and understanding traffic laws.



KEC

The Kishwaukee Education Consortium is a cooperative, Education for Employment Delivery System made up of area high schools, Kishwaukee College and other agencies. The KEC provides a variety of career and technical programs where students gain knowledge and skills for immediate employment after high school or for advanced educational programs. Work place, basic academic and transition skills are taught as an integral part of each course.

Prerequisites

Enrollment in KEC career and technical classes is open to high school juniors and seniors from KEC school districts. Some classes offered have high school or KEC course prerequisites. See course descriptions or your guidance counselor for information.

High School Credit

Students typically earn two high school credits for successfully completing KEC course requirements for the year.

Tech Prep College Credit

Articulated Credit - A student receiving a B average in a Tech Prep course is eligible for credit at Kishwaukee College when he/she enrolls in the related Kishwaukee College program within 18 months after graduation. After completion of 15 credit hours at the college, the student must contact the Kishwaukee College registrar to obtain the credit. The following Tech Prep Courses are eligible for articulated credit in 2012-2013: Advanced Horticulture, Computer Assisted Drafting, Green House Management and Introduction to Horticulture. (Fire Science & Graphic Communications are articulated through other Community colleges.)

Dual Credit/Dual Enrollment – This allows students to be enrolled at Kishwaukee College and their home high school at the same time. Therefore, the **student receives college credit as well as high school credit**. Enrollment is taken care of through the KEC. The following Tech Prep Courses are eligible for dual credit/dual enrollment in 2012-2013: Auto Mechanics Technology, Aviation Flight Academy, Business & Information Technology, Early Childhood Education 2, Collision Repair Technology, Computer Information Systems, Construction Trades 1, Criminal Justice, Diesel Power/Heavy Equipment Technology, Health Occupations 1, Manufacturing Engineering Technology Academy and Welding Technology.

Transportation

Your home school provides transportation to most KEC classes. Only after receiving permission from the KEC instructor, the home high school principal and parent/guardian is a student allowed to drive. Seniors in level 2 courses may have to provide their own transportation due to the college schedule. However, permission still must be obtained.

Costs

Certain classes require students to purchase tools of the trade and/or safety equipment. See course descriptions for further details.

Additional Information

If you require additional assistance selecting a KEC course, see your counselor or call the KEC office at 815.825.2000 or visit the KEC website at www.kecprograms.com.

AUTO MECHANICS TECHNOLOGY 1

Location: KEC & Kishwaukee College
2 High School Credits
2 College Dual Credits/Dual Enrollment Available

Course # 1200HS/1201HS

This course offers classroom and laboratory instruction in basic automotive mechanics to begin preparation for entry into the field of automotive mechanics technology. Students are introduced to fundamentals of safety practices, use of hand and power tools. Systems covered include mechanical and electrical systems. In addition to hands-on work, students will be required to use a text for reading, writing, and computers for online assignments. They will be using some algebra concepts and measurements in both the English and Metric systems. They should be able to follow multiple-step directions and work independently and in team situations. Successful completion of this course is the basis for the Kishwaukee College Basic and Advanced Automotive Technology Certificates and Automotive Technology Associate Degree (A.A.S.) Program. AMT 103 is the course for which first year students may earn college credit. Students need to provide their own safety goggles and writing materials.

AUTO MECHANICS TECHNOLOGY 2

Location: Kishwaukee College
2 High School Credits

Course # 1202HS/1203HS

8 College Dual Credits/Dual Enrollment Available

Prerequisite: "C" grade average and/or consent of instructor.

This advanced course allows students to apply and add to the skills acquired in Auto Mechanics Technology I. Emphasis is placed on steering, suspension, brakes and related systems. Information and skills needed to enter automotive mechanics related occupations or certificate/degree programs are stressed. Successful completion of this course meets Kishwaukee College AMT 110 & 120 course requirements for the Basic and Advanced Automotive Certificates and the Automotive Technology Associate Degree (A.A.S.) Programs. **Students may be required to provide their own transportation because this class meets Monday-Friday at 7:00am–8:30am, please talk with your counselor.** All Auto Technology courses are taught by an ASE Certified Instructor.

AVIATION FLIGHT ACADEMY 1 & 2

Location: DeKalb Airport

Aviation 1 Course #: 1204HS/1205HS

1 High School Credit, each course

Aviation 2 Course #: 1206HS/1207HS

8 College Dual Credits/Dual Enrollment Available

Prerequisite: Acceptance into Academy, consent of KEC, parental orientation session at DeKalb Airport, acceptable GPA (determined by school), recommendation of high school, oral interview with KEC Coordinator, good attendance.

This course offers classroom and simulator instruction in aviation. The course will give an in-depth insight into the world of aviation and will prepare the student for the FAA Private Pilot written exam. Instruction consists of aerodynamics, FAA regulations, primary navigation, GPS navigation, the use of flight computers, weather, radio navigation, flight instrumentation, performance and limitations, and the ATC environment. In addition, the program utilizes state-of-the-art flight simulators. AVF 101 and AVF 121 are the courses for which students may earn college credit.

BUILDING MAINTENANCE 1

Location: KEC
2 High School Credits

Course #: 1274HS/1275HS

This course will provide classroom and hands-on instruction in basic building maintenance and preventative maintenance facility care. The course is open to juniors and seniors who are interested in being trained for future employment in the maintenance or custodial services. Students will learn how to maintain and repair general building equipment related to: heating and cooling belts, ventilation, electrical, basic plumbing and facility updates. Classroom instruction will be focused on an introduction to cleaning chemicals, building codes and some blueprint reading. General social and employment skills will also be emphasized throughout the course.

COLLISION REPAIR TECHNOLOGY 1 (Auto Body)

Location: Kishwaukee College
2 High School Credits

Course #: 1216HS/1217HS

9.0 College Dual Credits/Dual Enrollment Available

This first level course begins preparation for apprentice level entry in auto body repair or further education in the field. Emphasis is placed on the fundamental aspects of collision repair and development of skills in the basic operations required to prepare an automobile for final paint application. Instruction includes safety principles and practices, vehicle nomenclature, function of individual components, parts manuals, and the use of filler and special body repair tools. Techniques stressed are straightening, shrinking, filling and the application of the hammer and dolly, and paint preparation procedures. Mig Welding is taught as it applies to Collision Repair. Successful completion of this course is the basis for the Kishwaukee College Collision Repair Technology Certificate and Associate Degree (A.A.S.) Program. CRT 102, CRT 112 & CRT 122 are the courses for which students may earn college credit. Students need to provide their own safety glasses, work boots and purchase a shop uniform shirt.

COLLISION REPAIR TECHNOLOGY 2 (Auto Body)

Location: Kishwaukee College
2 High School Credits

Course #: 1218HS/1219HS

6 College Dual Credits/Dual Enrollment Available

Prerequisite: "C" grade average and/or consent of instructor.

In this course the student continues development of knowledge and skills needed for entry in auto body repair work or certificate and degree programs in the field. Work experience progresses into repairs of a more serious nature. Students build additional skills in basic sheet metal work and learn basic paint preparation and finishing techniques. Techniques stressed are trim removal, panel removal, installation, and basic estimating. Successful completion of this course is the basis for the Kishwaukee College Collision Repair Technology Certificate and Associate Degree (A.A.S.) Program. CRT 111 & CRT 123 are the courses for which students may earn college credit.

Students wishing to continue in Collision Repair Technology 2 will be integrated with Kishwaukee College students and therefore, will be attending classes according to the college calendar. **Students will be required to provide their own transportation. This class meets Monday-Thursday at 8:00am – 10:00am, please talk with your counselor.** Students are also required to provide their own safety glasses, work boots and purchase a shop uniform shirt.

COMPUTER INFORMATION SYSTEMS 1 Course #: 1224HS/1225HS &
COMPUTER INFORMATION SYSTEMS 2 Course # 1226HS/1227HS

Location: KEC & Kishwaukee College

2 High School Credits, each course

18 College Dual Credits/Dual Enrollment Available

Computer Information Systems 2

Prerequisite: "C" grade average and/or consent of instructor.

Computer Information Systems 1: This class will teach the skills necessary to install, configure, upgrade, troubleshoot and administer a data network and all equipment necessary to the network. Instruction will include topics on network topologies, network protocols, professionalism, communication with users, network planning decisions, software, hardware, safety, and preventative maintenance. Qualified students enroll in coursework that will help prepare students for the Comp-TIA A+ Essentials and Network+ certification exams.

Computer Information Systems 2: Second year students enroll in the Cisco Networking Academy and study Windows Server fundamentals. Cisco introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. It uses the OSI and TCP layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media and operations are introduced to provide a foundation for the curriculum. The course also describes the architecture, components and operation of routers and explains the principles of routing and routing protocols including RIPv1, RIPv2, EIGRP and OSPF. Hands-on routing implementation, configuration and troubleshooting are covered. Windows Server fundamentals provides students with a comprehensive understanding of Microsoft Windows Server and prepares students to tackle server administration. This course work will help students prepare for the Cisco Certified Network Associate (CCNA) and Windows Server certification exams.

CONSTRUCTION TRADES 1 Construction Trades 1 Course #: 1228HS/1229HS &
CONSTRUCTION TRADES 2 Course # 1230HS/1231HS

Location: Sycamore High School & on Site

2 High School Credits, each course

3 College Dual Credits/Dual Enrollment Available for Construction Trades 1

Construction Trades 2 Prerequisite: "C" grade average and/or consent of instructor.

Construction Trades 1 provides basic training in a controlled lab environment in the following trades: Bricklayer, Carpenter, Cement Mason, Drywall Installer, Electrician, Plumber, and Tile Setter. In addition, Construction Measurement concepts and tool and job site safety are included. After satisfying the required labs, students will then be able to perform under direction from the instructor at a residential or commercial site. Students will have introductory instruction on blueprint reading, building codes, cost analysis and rough and finish carpentry skills. At times, students will be working with local contractors at the job site. Students should not be opposed to working outside in various weather conditions. Students should have an understanding of basic math and geometry and be able to read a ruler. Students must also be able to lift heavy objects, work from ladders and not have a fear of heights. BCT 101 is the course for which students may earn college credit.

Students enrolling in the second year of the program will follow the same requirements as first year students. Advanced instruction on blueprint reading, building codes, cost analysis and rough and finish carpentry skills will be provided. Along with more responsibilities at the job site, there will be leadership roles assigned throughout the year. Job shadowing possibilities are available to those students who show strong work ethics, 90% or better attendance and the ability to work well with others.

COSMETOLOGY 1 & 2

Location: Debutantes or Hair Professionals
3 High School Credits, each course

Cosmetology 1 Course #: 1232HS/1233HS
Cosmetology 2 Course #: 1234HS/1235HS

This program, conducted through a contract with state approved schools of cosmetology, is designed to begin to prepare students to qualify for the Illinois licensing examination in cosmetology. The program consists of 520 hours per year for a total of 1040 hours of the 1,500 hours of instruction required for state licensing. Classroom and practical experiences include a variety of beauty treatments including the care of hair, complexion and hands. Instruction includes: hair cutting, hair styling, chemical treatments, hair coloring and manicuring. Bacteriology, anatomy, hygiene, sanitation, salon management and customer relations are also emphasized. Students should be able to read text materials written at a 10th grade level. They should be able to follow multiple step directions working alone and in a team environment. They should also be able to follow safety procedures and work appropriately with the public. Students should expect to attend class and do clinical work that may extend beyond the regular high school day. For this reason, they should plan to provide their own transportation. Students are responsible for the initial registration cost of TBA as well as the purchase of the personal tools and professional kit which usually runs about TBA, as well as a lab fee of TBA per semester for 2nd year students and TBA per semester for 1st year students. Students are also responsible for the remaining hours of instruction typically completed after high school graduation.

CRIMINAL JUSTICE 1 & 2

Location: KEC
2 High School Credits, each course
12 College Dual Credits/Dual Enrollment Available

Criminal Justice 1 Course #: 1257HS/1258HS
Criminal Justice 2 Course #: 1259HS/1260HS

Criminal Justice 2 Prerequisite: "C" grade average and/or consent of instructor.

This is a two-year program that introduces students to the various aspects of the Criminal Justice system. Course content includes basic principles of government, the constitution, and the courts and legal system. Other topics covered are telecommunications, patrolling, crime lab techniques, investigation procedures, search and arrest techniques, fingerprinting & human relations and police ethics. Traffic accident investigation and driving under the influence enforcement are taught along with the Illinois vehicle code, report writing and community oriented policing. Students are also taught crime scene investigation including evidence importance, how to process a crime scene, interviewing and interrogating and how each fits in the puzzle of investigating various types of crimes. Students should be able to read at the 8th grade level. They should be able to follow multiple-step directions and work independently and in team situations. This class requires a structured, motivated and disciplined student who attends class on a regular basis. A criminal background check may be done on all students. Students enrolling in this course are not allowed to have any convictions. Coursework will provide an introduction to the community college program. Successful completion of this course is the basis for the Kishwaukee College Criminal Justice Associate Degree (A.A.S.) Program. CRJ 101, CRJ 109, CRJ 152 & CRJ 201 are the courses for which students may earn college credit. Students may be required to wear a police cadet type uniform when attending the criminal justice program.

CULINARY AND FOOD SERVICE MANAGEMENT 1 & 2

Location: KEC
2 High School Credits, each course
Culinary and Food Service Management 2 Prerequisite: "C" grade average and/or consent of instructor.

Culinary 1 Course #: 1236HS/1237HS
Culinary 2 Course #: 1238HS/1239HS

This course will provide students interested in the food service industry, further work in advanced food preparation and food preparation management. Students will learn to use commercial food service equipment to prepare food in quantity. A broad range of current food and nutrition issues will be covered such as planning food service, purchasing food, safety of food preparation, presentation of food, preparation, employer and customer relationships and careers and advanced education in the industry. Students will prepare, and evaluate the products prepared. Food Sanitation will be incorporated in the class room instruction. Emphasis will be placed on careers in the culinary and food service industries. Internships and field trips to local food preparation sites can be integrated into this course. Students may need to provide their own transportation, uniforms, and other costs related to placement at some community training sites.

DIESEL POWER/HEAVY EQUIPMENT TECHNOLOGY 1

Location: Kishwaukee College

Course #: 1241HS/1242HS

2 High School Credits

6 College Dual Credits/Dual Enrollment Available

This course offers an introduction to the theory, operation, maintenance, and repair of all common two- and four-cycle small engines (less than 35hp). Students learn engine overhaul procedures, hydrostatic transmission, transaxle, and differential repair. Also covered are tools and shop equipment commonly used by diesel technicians in the repair industry. Over 35 tools and pieces of equipment will be covered including: hand tools, air tools, precision measuring tools, lifting equipment and engine rebuilding tools. Emphasis will be placed on safe usage to minimize personal injury and physical damage. Additionally a study of employment opportunities both in and outside of the U.S. designed to explore opportunities and to help formulate the beginning of a student's educational career goals and path. Includes an orientation to the college, college expectations, and student success techniques. This course offers classroom and laboratory instruction. In the lab agricultural equipment and machinery will be repaired to demonstrate tool usage and common repair techniques. Successful completion of this course is the basis for the Kishwaukee College Diesel Power Technology Certificate and Associate Degree (A.A.S.) Program. DPT 101, DPT 175, & DPT 199 are the courses for which students may earn college credit.

DIESEL POWER/HEAVY EQUIPMENT TECHNOLOGY 2

Location: Kishwaukee College

Course #: 1243HS/1244HS

2 High School Credits

7 College Dual Credits/Dual Enrollment Available

Prerequisite: "C" grade average and/or consent of instructor.

This course offers more laboratory experience working on, and maintaining agricultural equipment and an in depth study of diesel engines, using the skills learned in Diesel 1 class. This includes principles of operation and repair of four-cycle diesel engines. Students experience the safe use of equipment overhauls. Student disassembles and reassembles lab engine. Additionally, a detailed study of diesel operating principles and how diesel engines differ from other types of internal combustion engines; this includes trouble shooting, maintenance and testing of fuel pumps, fuel filters, and nozzles. Emphasis will be placed on the importance of fuel filtration, selection, and care in handling. Successful completion of this course is the basis for the Kishwaukee College Diesel Power and Technology Certificate and Associate Degree (A.A.S.) program. DPT 172, & DPT 177 are the courses for which students may earn college credit.

EARLY CHILDHOOD EDUCATION 1 AND 2 (ADVANCED)

Location: KEC

Early Childhood 1 Course #: 1212HS/1213HS

2 High School Credits, each course

Early Childhood 2 Course #: 1214HS/1215HS

3 College Dual Credits/Dual Enrollment Available for Early Childhood Education 2

Early Childhood Education 1 Prerequisite: Successful completion of Child Care Development course(s) at home high school is encouraged.

Early Childhood Education 2 Prerequisite: "C" grade average and/or consent of instructor. This advanced regional course is available to students who have successfully completed the Child Development Course sequence at their home high school. The course is designed to develop the skills required to plan and implement an early childhood program. Students will apply their learning experiences about children through participation in a school-based preschool and possibly an internship in a community child care facility. Communication with parents will be part of the course. Career opportunities related to childcare at the associate and baccalaureate degree level are explored. Students should be reading at 8th Grade level or above. Students must also be able to work in a group setting as well as individually and must be willing to take on a leadership role with same-age classmates along with preschool age children. Successful completion of this course is the basis for the Kishwaukee College Child Care Technology Certificate and Associate Degree (A.A.S.) Program. ECE 112 is the course for which students may earn college credit for Early Childhood Education 2. Students must comply with D.C.F.S. regulations which include a background check and a T.B. skin test.

FIRE SCIENCE 1 Course # 1245HS/1246HS &

FIRE SCIENCE 2 Course # 1247HS/1248HS

Location: DeKalb Fire Department & Sycamore Fire Department

2 High School Credits, each course

College Articulated Credits and Advanced Placement Available

Fire Science 2 Prerequisite: 'C' grade average and/or consent of instructor.

This is a two-year program that enables students to learn curriculum in order to enter the fire service or emergency medical field. The first year will include the Firefighter II and CPR training. Curriculum is based on the standards set forth by the State of Illinois Fire Marshall's Office, the Illinois Department of Public Health, and the Department of Transportation. Curriculum for second year students will include EMS/First Responder and Introduction to Fire Protection.

Those students wishing to take the Firefighter II state test will have their records forwarded to the fire department with which they are working. The students will pay for any fees for state tests.

GRAPHIC COMMUNICATIONS 1 Course # 1249HS/1250S &

GRAPHIC COMMUNICATIONS 2 Course # 1251HS/1252HS

Location: KEC

2 High School Credits, each course

College Articulated Credits and Advanced Placement Available

Graphic Communications 1 Prerequisite: At least 1 semester of Keyboarding and/or demonstrated keyboarding proficiency.

Graphic Communications 2 Prerequisite: "C" grade average and/or consent of instructor.

Graphic Communications 1 will introduce the student to the field of Graphic Communications (GC). The class is intended to be an overview of all phases of the GC processes, from origination of an idea, through design (development and refinement), to production procedures and post-press operations. Emphasis will be on the procedures involved in Graphic Design and Desktop Publishing, including (but not limited to) the elements and principles of design; text composition and typography; image creation and editing; digital photography and photo manipulation; color; and document layout for the production of two-dimensional products and screen printing. For each of the main categories of instruction, students will be expected to use the skills and techniques taught to create production-ready projects. Students will also receive hands-on instruction in one or more printing methods and several post-production procedures.

Graphic Communications 2 will investigate further all of the processes and procedures introduced in the Graphic Communications 1. Emphasis will be on more complicated and involved design projects; career possibilities in the GC field; and production of a job-interview-quality portfolio of the student's work. Students will also be given an opportunity to participate in a National GC contest.

Internships are available in area graphic arts companies through this program. Students may specialize in a specific graphic arts area or participate in paid cooperative education at a community graphic arts training site in the second year of the program.

HEALTH OCCUPATIONS 1

Location: KEC/Area Healthcare Facilities

Course #: 1253HS/1254HS

2 High School Credits

7 College Dual Credits/Dual Enrollment Available

Prerequisite: Interest & experience in Health Sciences is recommended.

This course provides a strong base for students who wish to gain experience and background for advanced study in the health and medical fields. Instruction includes orientation to health-related careers, basic patient care skills, medical terminology, nutrition, anatomy, physiology and first aid. In addition, this course prepares students for the Illinois Certified Nursing Assistant exam for certification. This certification is required for employment in a hospital, long-term care facility, or home health care. Since there is a minimum requirement of theory and clinical hours, **excellent attendance is crucial**. Clinical experiences at community health care facilities are an integral part of the program. A criminal background check will be done on all students prior to the start of clinical rotations and students are not allowed to have any convictions. A mandatory urine drug screen will be conducted as well. The results of this screen must be negative in order for the student to remain a full participant in this course. **A valid Social Security Number is required**. There will be a student lab fee of \$15 to be used toward the costs of the criminal background check, TB skin test & urine drug screen. Students must be able to lift a minimum of 25 pounds in order to complete physical tasks that are mandatory for passing skills. Students must also be able to pass a number of skills before attending clinicals. Students may have to arrange for transportation to scheduled clinical experiences at regional health care facilities. A health occupations student organization (Skills-USA) is provided to develop leadership, personal-social and other skills. In order to earn college credit for NUR 100 in addition to High School credit, students must achieve an appropriate reading placement test score.

HEALTH OCCUPATIONS 2

Location: KEC/Area Healthcare Facilities

Course #: 1255HS/1256HS

2 High School Credits

Prerequisite: Illinois Certified Nurse Assistant Certificate and a minimum grade of "B" in Health Occupations I and/or consent of instructors.

This course will continue to prepare students in the healthcare field for further certification and advanced work at the college level. Subject matter to be covered will include medical terminology, anatomy and physiology and careers in several health occupations. An integral part of the second year curriculum is to have students placed in unpaid internship positions at local medical facilities. In most cases students must be able to provide their own transportation to internship sites. A mandatory urine drug screen will be required for students to participate in clinical experiences. Consent for the testing and a negative drug screen will be required for a student to remain a full participant in this course. There will be a student lab fee of \$15 to be used toward the costs of the TB skin test & urine drug screen. Excellent attendance at the home school is essential for success in this program. A health occupations student organization (Skills-USA) is provided to support student development.

MANUFACTURING ENGINEERING TECHNOLOGY ACADEMY 1 & 2

Location: Kishwaukee College/Local Industries

2 High School Credits, each course

14 College Dual Credits/Dual Enrollment Available

Prerequisite: Application and acceptance into the Academy. See your counselor for additional information and an Academy application.

Manufacturing 1 Course #: 1261HS/1262HS

Manufacturing 2 Course #: 1263HS/1264HS

The Manufacturing Engineering Technology Academy is a two-year high school Career & Technology Education program to prepare students to enter a broad range of career areas in manufacturing which may require an associate or other advanced degree. Students will take coursework at Kishwaukee College and visit manufacturing sites. Students are eligible to participate in paid internships sponsored by area manufacturing companies during the summer between their junior and senior year. Students will be introduced to basic machine tool operations. Using the new IST Lab (Integrated Systems Technology) the student will be introduced to robotics, hydraulics, pneumatics, mechanical drives, CAD, CNC programming and plastics. These topics are taught through the use of high tech equipment modules that incorporate a "hands on" approach to learning. The program is intended to train students for industrial employment as entry-level toolmakers, tool designers, mechanical drafters, or production/engineering aides. Successful completion of the two-year program is designed to give the students one semester of credit towards the Kishwaukee College A.A.S. degree in Automated Engineering Technology. MT 151 Shop Math I, MT 152 Shop Math II, MT 101 Blueprint Reading, MT 215 Manufacturing Processes I, MT 216 Fabrication Practices, and MT 103 Systems Integration,

are the courses for which students may earn college credit. Students must provide their own safety goggles.

(Summer internship credit may also be available)

MULTIMEDIA PRODUCTION 1 & 2

Location: KEC

2 High School Credits

Multimedia 1 Course #: 1269HS/1270HS

Multimedia 2 Course #: 1271HS/1273HS

Multimedia Production provides introductory skills and techniques necessary to support television, video, and Internet communications. This program is open to Juniors and Seniors who are interested in writing, photography, audio and video production. Students work with cameras, microphones, video editing software, green screens, audio mixers, and teleprompters. While focusing on techniques and hands-on learning, students develop knowledge of careers in the field, AV terminology, and what it takes to direct a live-production.

WELDING TECHNOLOGY 1 & 2

Location: Kishwaukee College

2 High School Credits, each course

4 College Dual Credits/Dual Enrollment Available

Welding 2 Prerequisite: "C" grade average and/or consent of instructor.

Welding 1 Course #: 1265HS/1266HS

Welding 2 Course #: 1267HS/1268HS

This course, designed to develop job entry skills or prepare for advanced college course work leading to professional welder certification, combines classroom instruction with "hands on" laboratory experience. Procedures covered in this course include shop safety, oxyacetylene welding, brazing and cutting, flat position electric arc and mig welding, pattern burning and blueprint reading. Students in the second year program gain experience in advanced welding practices (horizontal, vertical and overhead positions) using electric arc, and mig processes. Subject matter in this course is articulated with the Kishwaukee College Welding Technology Certificate. All students are required to purchase and wear safety glasses, appropriate clothing, and equipment. Instructor will present samples and store locations that supply the proper equipment on the first day of class. WT116 and WT218 are the courses for which students may earn college credit.

