

PINCKNEYVILLE COMMUNITY HIGH SCHOOL DISTRICT #101



“EXCELLENCE IN EDUCATION...NO EXCUSES”

2022 – 2023

**Course Description
Guide**

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PINCKNEYVILLE COMMUNITY HIGH SCHOOL
GRADUATION REQUIREMENTS

Overall Credit Requirement for Graduation: 28 Credits

The following classes are required for graduation from PCHS. These requirements meet both state and local mandates. All students will take the SAT test during their junior year and complete their Federal Application for Federal Student Aid (FAFSA) during their senior year. The SAT test and FAFSA are a state requirement for graduation.

1. Four (4) resident credits in Language Arts (English or Reading)
2. Three (3) credits in each of the following areas: Math, Social Studies, and Science
3. Satisfy the Consumer Education requirement (Family Resource Management & Planning)
4. Four (4) Physical Education/Health, Drivers Education.
5. One (1) credits in Fine Arts
6. One (1) credit in Career Technical Education (CTE)

Special Note: Students will be allowed to earn up to three credits toward graduation requirements from outside sources. Students may only receive one credit per subject area from outside credit sources towards graduation requirements. (Example: Only 1 credit for Language Arts may be obtained from outside sources, all other Language credits must be obtained in house.) Students must obtain pre-approval from the principal and work with the counselor to make appropriate arrangements. If you have any questions, ask first. Credit is given for classes taken off campus if used to make-up for courses failed. This will not count toward GPA. Make-up classes taken during the summer will not count toward GPA.

COLLEGE PREPARATORY RECOMMENDATIONS AND COLLEGE ENTRANCE REQUIREMENTS

The recommendations listed below are general in nature and will prepare the students to pursue academic work at the college level. Completion of these recommended subjects, however, does not guarantee admission. Colleges usually base their decisions on test scores, accumulative grade point averages, class rank, specific courses, type and quality of high school, and recommendations. Those students interested in college should make early contact with their school counselor and periodically discuss their intentions.

High School courses recommended for college-bound students:

- 4 credits – Language Arts
- 4 credits – Math
- 2 credits – Foreign Language, Art, Music or CTE
- 3-4 credits – Social Studies
- 3-4 credits – Science
- .5 credits – Consumer Education

The trend seems to be for colleges and universities to adopt tougher admission requirements. Several colleges and universities have adopted specific high school subject patterns that must be met in order to gain full admission status. Students are advised to check with their counselor about the requirements for the school of their choice.

COURSE SELECTION

Selection of one's courses is a very important decision. Hopefully, students will choose courses that are going to challenge them academically as well as prepare them for the future. Counselors are available to help you plan your high school career and beyond. Please see page 29 for course selection guides.

LANGUAGE ARTS COURSES

ENGLISH I

CREDIT: 1 (2 semesters)

PREREQUISITES: IEP must identify need

GRADE: 9

This course is designed to help students improve reading and writing skills. Students will improve individual deficit skills and utilize compensatory and study strategies.

ENGLISH II

CREDIT: 1 (2 semesters)

PREREQUISITES: IEP must identify need

GRADE: 10

This course is designed to build upon reading and writing skills acquired in English I. Students will improve individual deficit skills and utilize compensatory and study strategies.

ENGLISH III

CREDIT: 1 (2 semesters)

PREREQUISITES: IEP must identify need.

GRADE: 11

This course is designed to build upon reading and writing skills acquired in English II. Students will improve individual deficit skills and utilize compensatory and study strategies.

ENGLISH IV

CREDIT: 1 (2 semesters)

PREREQUISITES: IEP must identify need.

GRADE: 12

This course is designed to build upon reading and writing skills acquired in English III. Students will improve individual deficit skills and utilize compensatory and study strategies.

READING 9

CREDIT: 1 (2 semesters)

PREREQUISITES: None

GRADE: 9

Reading 9 is designed to strengthen students' reading and writing skills. Literature studied includes short stories, dramas, and novels. Reading 9 focuses more on reading comprehension strategies for students. There is an emphasis on providing students with reading strategies that will help them be successful throughout the rest of their high school English requirements. Literary units may be interspersed with both grammatical and writing units to emphasize and illustrate the main concepts relating to those units. A research paper is required.

****Students may be rescheduled at semester based on class performance and teacher recommendation.**

READING 10

CREDIT: 1 (2 semesters)

PREREQUISITES: Prior to enrollment, students must pass both semesters of English I or Reading 9

GRADE: 10

The major focus of this course is to further improve the students' basic reading and writing skills and to heighten his/her interest in and understanding of various types of literature. This course focuses on a combination of reading and writing strategies to help students better understand literary concepts. Along with reading, students will practice creative, descriptive, and persuasive modes of writing. Literary selections include short stories and novels to illustrate certain literary elements. A research paper is required.

****Students may be rescheduled at semester based on class performance and teacher recommendation.**

READING 11**CREDIT: 1 (2 semesters)****PREREQUISITES:** Prior to enrollment, students must pass both semesters of English I and II or Reading 9 and 10**GRADE: 11**

The focus of this course is to further improve the students' reading and writing skills and to heighten his/her interest in and understanding of various types of literature. This course focuses on a combination of reading and writing strategies to help students better understand literary concepts. Along with reading students will practice creative, descriptive, and persuasive modes of writing. Literary selections include autobiographies and American literature pieces. A research paper is required.

****Students may be rescheduled at semester based on class performance and teacher recommendation.**

Transitional English**CREDIT: 1 (2 semesters)****PREREQUISITES:** Prior to enrollment, students must have passed all semesters of English I, II, and III or Reading 9, 10, and 11.**GRADE: 12**

Transitional English builds on students' previous experiential and academic knowledge to further develop and refine skills in reading, critical thinking and analysis, and writing to enhance students' transition to post-secondary coursework. This course continues to integrate reading and writing to provide students an opportunity to think coherently, to write clearly and effectively, and to read with understanding and appreciation. Responses to the literary works require varied levels of thinking skills measured through assessments of writing and reading comprehension. Students will continue to develop composition skills through a variety of reading and writing experiences. Transitional English is organized around themes, critical issues, or concepts directing student focus to larger ideas that foster critical thinking, reading, and writing skills while also cultivating meta-cognitive and essential employability skills.

ENGLISH I**CREDIT: 1 (2 semesters)****PREREQUISITES:** None**GRADE: 9**

English I will strengthen students' reading and writing skills. Students will read short stories, a play, novels, and an epic poem. Students will study literary terms as they apply to the various types of literature. Grammar will be studied as it relates to composition. A research paper is required.

Students may be rescheduled at semester based on class performance and teacher recommendation.

ENGLISH II**CREDIT: 1 (2 semesters)****PREREQUISITES:** Prior to enrollment, students must pass both semesters of English I or Reading 9**GRADE: 10 or 9 (based on test scores and teacher recommendation)**

The major focus of the course is to further improve students' writing skills and to increase their understanding of different types of literature. Students will read novels, short stories, and poetry. Emphasis is placed on grammar as it applies to sentence structure in composition. Students will write descriptive, creative, and expository essays. A research paper is required.

Students may be rescheduled at semester based on class performance and teacher recommendation.

ENGLISH III**CREDIT: 1 (2 semesters)****PREREQUISITES:** Prior to enrollment, students must pass both semesters of English II or Reading 10**GRADE: 11 or 10 (based on test scores and teacher recommendation)**

English III is designed with a focus on acquiring the organizational and grammatical skills needed to succeed not only in this class, but in other areas of study as well. A focus on American literature provides students the opportunity to read novels, short stories, and poetry and to reflect on them through narrative, persuasive, and informational writing.

Students may be rescheduled at semester based on class performance and teacher recommendation.

COLLEGE PREP ENGLISH

CREDIT: 1 (2 semesters)

PREREQUISITES: Prior to enrollment, students must have passed all semesters of English III (93%) and meet the state benchmarks on the PSAT test: Evidence Based Reading & Writing: 430 and/or teacher recommendation.

GRADE: 11

College Prep English includes the advanced writing and literature material. The class focuses on reading for the purpose of writing. This college preparatory class concentrates on the development of college preparation skills, composition, analytical writing, vocabulary, world literature, and research. Higher-level thinking skills are emphasized. Students with a grade of 93% or higher in College Prep English may be considered for ENGL 1101 as a senior.

ENGLISH IV

CREDIT: 1 (2 semesters)

PREREQUISITES: Prior to enrollment, students must pass both semesters of English III, Reading 11, or Strategic Reading.

GRADE: 12

English IV is designed to provide students with an in-depth opportunity to develop skills to aid them in reading, writing, and applying the English language. The first semester focuses on research-based, argumentative, analytical, and narrative composition. The second semester will focus on public speaking with students presenting how-to, informative, persuasive, and epideictic speeches. Students may be rescheduled at semester based on class performance and teacher recommendation.

ENGL 1101 Rend Lake College – Rhetoric and Composition I (3)

CREDIT: .5 (1 semester)

PREREQUISITES: Prospective students must meet two of the following criteria.

1. Achieve ACT College Readiness Scores: Reading 22, English 20

Or

Achieve SAT College Readiness Score: Evidence-Based Reading and Writing 490

****These scores must be reported to the school counselor's office, the principal's office, and to the English Department Chairperson prior to final course registration. Only scores reported prior to final course registration will be used to determine placement in conjunction with the stated criteria.**

2. Achieve 93% final grade in College Prep English

3. Earn English Department Teacher Recommendation

****Both prospective students and their parents must agree to these prerequisites prior to students' placement in class.**

This class is offered as a dual-credit course in cooperation with Rend Lake College and will result in a weighted grade. The course employs the Rend Lake College English Department syllabus and grading rubric. According to the Rend Lake College Course Catalog, "The general objectives of the first semester composition course are to prepare the student for college work through teaching him or her to use the library, to read more effectively, and to write good expository prose based on personal observation and reading. Grade of "C" or better required for IAI. Lecture 3 hours."

ENGL 1102 Rend Lake College – Rhetoric and Composition II (3)

CREDIT: .5 (1 semester)

PREREQUISITES: Completion of ENGL 1101 with a "C" or better

This class is offered as a dual-credit course in cooperation with Rend Lake College and will result in a weighted grade. The course employs the Rend Lake College English Department syllabus and grading rubric. According to the Rend Lake College Course Catalog, "General objectives of the second-semester composition course are the same as the first with more advanced application. A research paper is required. Grade of "C" or better is required for IAI. Lecture 3 hours."

SOCIAL STUDIES

SOCIAL STUDIES I

CREDIT: 1 (2 semesters)

PREREQUISITES: IEP must identify need

GRADE: 9

This course will cover the growth and development of early human civilizations up to industrialism.

SOCIAL STUDIES II

CREDIT: 1 (2 semesters)

PREREQUISITES: IEP must identify need

GRADE: 10

This course will cover the latter part of world history up to the American Civil War.

SOCIAL STUDIES III

CREDIT: 1 (2 semesters)

PREREQUISITES: IEP must identify need

GRADE: 11

This course will begin with post Civil War America and end with America in the modern world.

WORLD HISTORY

CREDIT: 1 (2 semesters)

PREREQUISITES: None

GRADE: 9

World History is required of freshmen as part of an integrated social studies curriculum. The state and federal goals of history, government, geography, economics, and world cultures are examined through their historical perspective. The course will examine early civilizations through World War I.

WORLD CULTURES

CREDIT: 1 (2 semesters)

PREREQUISITES: None

GRADE: 9

World Cultures is required of freshmen as part of an integrated social studies curriculum. The state and federal goals of history, government, geography, economics, and world cultures are examined through a geographical perspective. The course will examine different cultures throughout the world.

UNITED STATES HISTORY

CREDIT: 1 (2 semesters)

PREREQUISITES: World History

GRADE: 10

United States History is required of sophomores as part of an integrated social studies curriculum. The state and federal goals of history, government, geography, culture, and economics of the United States are examined through the U.S. historical perspective. The course will examine the history of the United States from the conception of the United States through the end of World War I.

CONTEMPORARY UNITED STATES HISTORY

CREDIT: .5 (1 semester)

PREREQUISITES: United States History

GRADE: 11

Contemporary United States History is required of juniors as part of an integrated social studies curriculum. The state and federal goals of history, government, geography, culture, and economics are examined through U.S. historical perspective. The course will begin with post World War I America and end with the United States in today's world.

CIVICS**CREDIT: .5 (1 semester)****PREREQUISITES: United States History****GRADE: 11**

Civics is required of juniors as part of an integrated social studies curriculum. The state and federal goals of describing the concepts and principals that are inherent to American Constitutional Democracy. The course will cover and examine the rights, roles, powers, and responsibilities of the United States Constitution, individuals, and institutions in the political system. Students are required to pass both the United States and Illinois Constitutions to fulfill the state requirement.

CURRENT EVENTS AND SOCIAL PROBLEMS**CREDIT: 1 (2 semesters)****PREREQUISITES: Must have C or better in Contemporary United States History, Civics, and/or U.S. History****GRADE: 12**

The state and federal goals of government, geography, economics, and world cultures are examined through their current perspective. This current events class is based on the premise that various multi-media eventually become one's primary social studies text. It is a lens to the world after a solid understanding of the development of social, natural, and political systems provided by United States History classes and Civics. Multi-media resources provide a "real life referent" for the teaching of social studies concepts and skills.

United States Conspiracy Theories**CREDIT: .5 (1 semester)****PREREQUISITES: Must have C or better in Contemporary United States History, Civics, and/or U.S. History****GRADE: 12**

This course takes a close look at conspiracy theories in American history—some recent, some from the more distant past. Our learning objectives include examining a.) the evidence and logic used to argue for different theories; b.) the forces and events that give rise to them; c.) the identities of those who support various theories; d.) the methods used to promote and disseminate conspiracy theories, and; e.) the uses to which these theories are sometimes put. We will also take a look at the theories scholars have offered to explain the prevalence of conspiracy theories in modern American culture.

MATHEMATICS COURSES**PRE-ALGEBRA 1****CREDIT: 1 (2 semesters)****PREREQUISITES: IEP must identify need****GRADE: 9**

This course is designed to provide working knowledge of the basic fundamentals of math. Practice in applying reasoning skills is provided throughout the course. Some of the elementary ideas of algebra are introduced.

PRE-ALGEBRA 2**CREDIT: 1 (2 semesters)****PREREQUISITES: IEP must identify need****GRADE: 9-10**

This course provides a continuation of skill development initiated in Pre-Algebra 1. Basic math skills are reviewed with an emphasis on the concepts beyond the skills. Elementary ideas of geometry are introduced. Effort is made to apply the algebra and geometry concepts to practical problem situations.

LIFE SKILLS MATH**CREDIT: 1 (2 semesters)****PREREQUISITES: IEP must identify need****GRADE: 11**

This course provides students with math skills used in daily living. Units in understanding and calculating paychecks, managing checking accounts, creating personal budgets, comparison shopping, and measurement (time, money, length, capacity, weight) are presented.

FOUNDATIONS OF INTEGRATED MATHEMATICS**CREDIT: 1 (2 semesters)****PREREQUISITES: Score on placement test****GRADE: 9-10**

The students will use linear equations to represent, analyze, recognize, and solve a variety of problems. Students will grasp the concept of input and output in a function. Students will interpret models in the context of the data and express a relationship. Students will be able to use a coordinate plane to graph functions. Students will graph linear functions by use of a, x, and y tables and x and y intercepts. Students will recognize a linear function given a model. Students will use exponents and radical properties. Students will analyze two and three-dimensional space figures using distance, angle, similarity, and congruence, apply the understanding into finding area and volume.

INTEGRATED MATHEMATICS I**CREDIT: 1 (2 semesters)****PREREQUISITES: Foundations of Integrated Mathematics and/or score on placement test****GRADE: 9-10**

The fundamental purpose of Mathematics I is to formulize and extend the mathematics that students learned in the middle grades. The components in Integrated Mathematics I deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Integrated Mathematics 1 uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied. The eight Mathematical Practices Standards apply throughout each component.

INTEGRATED MATHEMATICS II**CREDIT: 1 (2 semesters)****PREREQUISITES: Integrated Mathematics I and score on placement test.****GRADE: 9-11**

The focus of Mathematics II is on quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships from Mathematics I as organized into 6 critical areas. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. The link between probability and data is explored through conditional probability and counting methods, including their use in making and evaluating decisions. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Circles, with their quadratic algebraic representations, round out the course. The eight Mathematical Practices Standards apply throughout each component.

INTEGRATED MATHEMATICS III**CREDIT: 1 (2 semesters)****PREREQUISITES: Integrated Mathematics II****GRADE: 10-12**

It is in Math 3 that students pull together and apply the accumulation of learning that they have from their previous courses, with content grouped into four critical areas, organized into units. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions. They expand their study of right triangle trigonometry to include general triangles. And, finally, students bring together all of their

experience with functions and geometry to create models and solve contextual problems. The eight Mathematical Practices Standards apply throughout each component.

COLLEGE ALGEBRA/ TRIG (MATH 1108 & MATH 1109)

CREDIT: 1 (2 semesters)

PREREQUISITES: Integrated Math III and Scores on Placement Test

GRADE: 11 or 12

This class is offered as a dual credit class through Rend Lake College and will result in a weighted grade. This course covers complex numbers, quadratic equations, polynomial and rational inequalities, the algebra of functions, graphing functions, inverse functions, rational functions, polynomial functions, systems of equations, determinants, Cramer's Rule, the binomial theorem and other selected topics. Second semester covers definitions of trigonometric functions, graphing, formulas, identities, solution of triangles using trigonometric functions and logarithmic functions, solution of trigonometric equations, inverse trigonometric functions and their graphs, complex numbers and the solution of practical problems.

CALCULUS (MATH 1121)

CREDIT: 1 (2 semesters)

PREREQUISITES: College Algebra/Trig (MATH 1108 and MATH 1109) with a "C" or better

GRADE: 12

This class is offered as a dual credit class through Rend Lake College and will result in a weighted grade. A first course in calculus and analytic geometry. This course includes limits, techniques of differentiation, applications of the derivative, curve sketching, introduction to techniques of integration and applications of the definite integral.
Lecture 5 hours.

TRANSITION ALGEBRA (MATH 1402)

CREDIT: 1 (2 semesters)

PREREQUISITES: Integrated Mathematics II. Must be needed to meet graduation requirements.

GRADE: 11 or 12

A course intended for those students who feel the need for an intensive review in the fundamentals of algebra. Topics to be covered include elementary algebraic operations, signed numbers, exponents and polynomials, simple equations, special products and factors, algebraic fractions and quadratic equations.

TECHNICAL MATH (MATH 1201)

CREDIT: 1 (2 semesters)

PREREQUISITES: Integrated Math II

GRADE: 12

This course focus on essential math skills and tools to help students be successful in their future careers. This course uses a hybrid classroom (time in shop and classroom) as well as real world examples to create a true understanding of use in the real world. Topics to be covered include: percentage; powers of ten; ratios and proportions; algebra topics, including polynomials, equations and formulas; an introduction to trigonometry, including basic right triangle formulas.

SCIENCE COURSES

SCIENCE I, II, & III

CREDIT: 1 (2 semesters)

PREREQUISITES: IEP must identify need

GRADE: 9-12

These courses are designed to help students understand what science is, how science and technology are related, and how the natural processes of the earth occur. Some topics discussed include, the processes of discovery, life science, earth science and physical science.

INTEGRATED SCIENCE I**CREDIT: 1 (2 semesters)****PREREQUISITES: Score on placement test****GRADE: 9**

Integrated Science I is an initial science class that introduces Earth & Space science as well as Biology to students. During the first semester, students will be presented with information relevant to Geology, Weather & Climate, Oceanography, and Astronomy. The second semester places emphasis on cell structure and function, cellular transport, energy processes, mitosis, meiosis, and genetics.

ENVIROMENTAL SCIENCE**CREDIT: 1 (2 semesters)****PREREQUISITES: Integrated Science I****GRADE: 10**

Environmental Science provides a continuation of the study and skill development initiated in Integrated Science I. It provides an emphasis on concepts relevant to the study of Ecology and Environmental Science, including ecological systems, biomes, populations, agriculture, forestry, and mining.

PHYSICAL SCIENCE**CREDIT: 1 (2 semesters)****PREREQUISITES: Environmental Science & Integrated Math I****GRADE: 11**

Physical Science provided continuation of the study and skill development initiated from Integrated Science I and Environmental Science. During the first semester students will be presented with a basic knowledge of chemical principles such as classification & structure of matter, how to use and read a periodic table, chemical reactions, and acids & bases. During the second semester, emphasis will be placed on the presentation of basic concepts that are typically presented in a beginning level Physics class.

BIOLOGY**CREDIT: 1 (2 semesters)****PREREQUISITES: Integrated Science 1 or appropriate score on the placement test****GRADE: 9-10**

Biology is the study of life. It includes an introduction to the scientific method, cytology, genetics, botany, zoology, ecology, taxonomy, evolution, chemistry, and microbiology. Course work will include: Lecture and discussion, lab work and class projects. Class examinations and activities will prepare students for future science courses in high school and college.

CHEMISTRY I**CREDIT: 1 (2 semesters)****PREREQUISITES: Must have passed both semesters of Biology & Integrated Math I****GRADE: 10-12**

Chemistry I is a course that would benefit any student planning a college-bound sequence, especially those pursuing any scientific or health-related career. This introductory chemistry course is designed to give students a basic knowledge of chemical principles. Topics expanded upon include matter and change, scientific measurement, atomic structure, chemical bonding, and periodicity. Naming chemical compounds, writing chemical equations, and stoichiometry are also highlighted. Laboratory exercises will be provided to emphasize concepts discussed.

CHEMISTRY II (COLLEGE PREP CLASS)**CREDIT: 1 (2 semesters)****PREREQUISITES: Chemistry I and Integrated Math II or concurrent enrollment****GRADE: 11-12**

Chemistry II is a course that would benefit any student planning a college-bound sequence, especially those pursuing any scientific or health-related career. It is especially beneficial to those students who know they will be taking a chemistry course in college. Chemistry II is a rigorous course that is a

continuation of the concepts introduced in Chemistry I. Previous topics will be reviewed and expanded upon. New topics introduced will be concepts of percent composition, stoichiometry, limiting reactants, percent yield, gas behavior, solutions, thermochemistry, reaction rates/equilibrium, acids/bases, oxidation-reduction, electrochemistry, and organic chemistry. Laboratory exercises will be provided to emphasize concepts discussed.

PHYSICS (COLLEGE PREP CLASS)

CREDIT: 1 (2 semesters)

PREREQUISITES: Chemistry I and Integrated Math II (or concurrent enrollment)

GRADE: 11-12

Physics I is a course that would benefit any student planning a college-bound sequence, especially those pursuing any scientific, engineering, or mathematics-related career. This course is designed to introduce the student to the basic concepts of physics. The concepts covered include motion in two dimensions, acceleration, Newton's Laws of motion, energy, work, linear momentum, rotational motion, heat/thermodynamics, sound, light, electricity, and magnetism. Laboratory exercises will be provided to emphasize concepts discussed.

HUMAN ANATOMY

CREDIT: 1 (2 semesters)

PREREQUISITES: Must have passed both semesters of Biology

GRADE: 12

Human Anatomy and Physiology is a course that investigates the structure and function of the human body. Topics covered will include the basic organization of the body; biochemical composition; and major body systems along with the impact of diseases on certain systems. Students will engage in many topics and competencies related to truly understanding the structure and function of the human body. Working from the topics of basic anatomical terminology to the biochemical composition of the human body, all the way into great detail of each of the major systems of the body students will learn through reading materials, lecture and discussion, study guides, unit worksheets, group work, projects, and labs. High levels of achievement will be in effect. Students will be responsible for proper use of lab equipment, lab reports, and projects assigned. One of the goals of this course is to prepare students with the skills necessary to be successful in future science classes in college.

BIO 1101 – College Biology (5cr)

CREDIT: 1 (2 semester)

PREREQUISITES: Scores on Placement Test and cumulative GPA of 3.0

GRADE: 11 or 12

This class is offered as a dual credit class through Rend Lake College. An introductory biology course for life science, plant and soil science and pre-professional majors. Topics include cell structure and function, energy transformations, genetics, reproduction and biotechnology. Lecture 3 hours. Lab 4 hours.

PHYSICAL EDUCATION/HEALTH/DRIVER'S EDUCATION DEPARTMENT

PHYSICAL EDUCATION

CREDIT: 1 (2 semesters) or .5 (1 semester)

PREREQUISITES: None

GRADE: 9-12

This course includes instruction in seasonal team sports such as basketball, football, volleyball, soccer, speedball, wrestling, gymnastics, weightlifting, softball, field hockey, badminton, archery, aerial darts, cross country, and track and field events. Also included are physical fitness exercises and testing. Each student is required to have a clean blue uniform, white socks, tennis shoes, towel and soap. Locks are provided for individual lockers.

ADVANCED PHYSICAL EDUCATION & TRAINING

CREDIT: .5 (1 Semester)

GRADE LEVEL: 10-12**PREREQUISITES: NONE**

This course uses advance physical training techniques to develop the 6 components skill-related fitness: Agility Balance, Coordination, Speed, Power, and Reaction Time.

HEALTH**CREDIT: .5 (1 semester)****PREREQUISITES: None****GRADE: 9-10**

Health class is a semester course. Students will learn to take control of their personal, physical and emotional well-being. The class will focus on total health, with emphasis in nutrition, fitness, prevention and control of disease, substance use and abuse. Students will be provided practical skills and real world applications that encourage them to become responsible for their own well-being throughout life.

DRIVER EDUCATION**CREDIT: .25 (1 quarter)****PREREQUISITES: None****GRADE: 9-10**

The objective of the driver education program is to teach students to be safe, courteous, and skilled drivers. Classroom concepts are illustrated in practice driving instruction. The classroom phase of the course consists of thirty clock hours of instruction utilizing methods such as lecture, discussion, and audio-visual aids. The driving phase consists of six clock hours of behind the wheel practice with a dual control automobile, which provides practical learning experiences for the student. With the passage of Illinois Public Law 88-188, any student enrolled in Driver Education must have passed eight academic credits over the previous two semesters. Law does not otherwise permit enrollment. Also, with the passage of the Graduated Driver Licensing System in Illinois, parents must verify that their student has obtained a minimum of 50 clock hours of practice before a license will be granted. Additionally, student drivers must have held a learner's practice permit for a minimum of 9 months. Questions regarding these new guidelines should be referred to any PCHS Driver Education teacher.

FINE ARTS DEPARTMENT**BAND****CREDIT: 1 (2 semesters)****PREREQUISITES: None****GRADE: 9-12**

This course is available to all high schoolers who have previous band experience or have received approval from the band instructor to be in band. Band students will be expected to participate in the Concert Band, Marching Band, and Pep Band. The students will experience all new musical selections each year and will study a variety of musical styles, rhythmic figures, and composers. Course requirements include over thirty public performances yearly including football games, basketball games, parades, and contests. Students will be encouraged but not required to participate in the state solo and ensemble contest, honor band, and IMEA. Students will be required to demonstrate increased musical knowledge and technical skills on their instrument every year. Sophomores, Juniors, and Seniors will also receive increased responsibility each year with regards to section leadership, instrument responsibilities, and equipment care.

AUXILIARY BAND**CREDIT: .5 (1 semester)****CO-REQUISITES: Band (Students must be selected by audition held in the spring)****GRADE: 9-12**

This course is for students who participate in the Marching Panther flag squad whose members are active in band during the first and second quarters of the school year. The course of study includes detailed marching instruction; use of flags or other props to help convey the feeling of music; learning to master the use of the guard equipment; working together as a group to achieve a common goal, learning cooperation, leadership, and responsibility, as well as developing a sense of pride in achieving these

goals. Students will also learn to relate their movements and enhancements to the overall picture and musical performance, and learn basic counting patterns in the musical selections.

JAZZ BAND

CREDIT: 1 (2 semesters)

PREREQUISITES: Must be in regular band class and have approval of instructor.

GRADE: 9-12

Jazz Band will provide to students' instruction in the jazz idiom and style. Participation in performances outside of class will provide a large basis of the course grade.

CHORUS

CREDIT: 1 (2 semesters)

PREREQUISITES: None

GRADE: 9-12

Chorus is a year-long course that explores choral music from a wide variety of cultures, time periods, and genres through study and performance. This class is designed to enhance the musical, creative, and expressive qualities of all students. Students will participate in a variety of performances throughout the year, including but not limited to, Variety Show, Christmas performances, Winter Concert, Spring Concert, and Baccalaureate. Students will have the opportunity to perform in honor ensembles and IHSA Solo and Ensemble contest. Chorus is open to all grade and ability levels. Grades will be based off of daily participation, performance attendance, and additional assignments

HISTORY OF ROCK & ROLL

CREDIT: .5 (1 semester)

PREREQUISITES: None

GRADE: 9-12

A one semester elective, History of Rock & Roll is an in-depth study of the history and appreciation of the musical and cultural melting pot of America's rock & roll in the 50's and early pop in the 60's. From blues and country to punk and heavy metal, students will familiarize themselves with landmark groups, music, and movements of different periods, exploring connections between modern music and the artists from the past who have paved the way for the popular music of today.

ART I - FOUNDATIONS

CREDIT: 1 (2 semester)

PREREQUISITES: None

GRADE: 9-12

An entry-level course designed for all students to develop creative abilities through artistic expression. The fundamental principles & elements of the art making process will be studied and practiced during the length of the course. Students are required to participate in classroom exercises, discussions, written responses, and the making of sketches/projects in pencil, charcoal, pastel, watercolor, and various other types of media. Students will learn about many different artists, art movements, and art making techniques to express themselves through their artwork.

ART 2

CREDIT: 1 (2 semester)

PREREQUISITES: Art I, Drawing, or special permission

GRADE: 10-12

This is a continuation of Art 1, many of the same materials will be used for more complicated and detailed projects. Printmaking projects will be taught including foam, wood block and linoleum block prints. 3D media will also be explored including modeling clay, cardboard construction, and other mixed-media projects.

DRAWING

CREDIT: .5 (1 semester)

PREREQUISITES: Art I

GRADE: 10-12

Students will learn all of the basics to becoming a skilled drawer and observer. Daily drawing exercises, including observation, perspective, proportion, figure, illustration and portrait drawing. Materials being used will include graphite pencils, pen and ink, inked brushes, wax color pencils, crayons, charcoal, chalk, pastels, various kinds of erasers, markers, styluses, electronic drawing and wire. This is for the young artist who would like to explore black and white compositions.

PAINTING

CREDIT: .5 (1 semester)

PREREQUISITES: Art I

GRADE: 10-12

This course is designed for students who wish to learn how to paint well. Students will learn how to create unique artwork using observation, transfer and color theory.

DRAWING II

CREDIT: .5 (1 semester)

PREREQUISITES: Art 2, Drawing 1, or Painting 1

Grade: 11-12

This is a continuation of Drawing 1. Students will dive into exploring the elements of design through the independent use of different medias, techniques and styles creating projects express the student's personality and style. This course emphasizes drawing as a means of personal expression, and will increase the student's visual literacy. Student will learn new and create their own techniques with several media such as pen and ink, pencil, chalk pastels, oil pastels, and colored pencil. This is a perfect class for students wanting to find their artistic voice or considering a college major in an art-related field or career.

PAINTING II

CREDIT: .5 (1 semester)

PREREQUISITES: Drawing 1 or Painting 1

Grade: 11-12

Designed for students wishing to become expert painters. This is a perfect class for students wanting to find their artistic voice or considering a college major in an art-related field or career. Students are strongly encouraged to take Painting 1 the year before and Drawing 2 the semester before to build student artistic skills and personal style.

STUDIO ART

CREDIT: 1 (2 semester)

PREREQUISITES: Art I & 2

GRADE: 11-12

Advanced Studio is for students that are mature and serious about their art studies. This is the perfect class for students considering college majors in art-related fields or careers. In this course, students will choose a concentration. Students will learn to express chosen focus and assemble a portfolio for submission to an art college.

FOREIGN LANGUAGE COURSES

SPANISH I

CREDIT: 1 (2 semesters)

PREREQUISITES: None

GRADE: 9-12

This class is the introductory course to the study of Spanish as a second language. Topics include vocabulary, grammar, sentence structure and basic sound formations as well as the geography, history and culture of Spanish speaking countries. Exercises in all 4 domains of language acquisition are conducted daily: speaking, listening comprehension, reading and writing.

SPANISH II

CREDIT: 1 (2 semesters)

PREREQUISITES: Spanish I**GRADE: 10-12**

This class is a continuation of SPANISH I with a focus on increasing vocabulary in order to allow the student to speak on a variety of topics and improvement of speech, comprehension, reading and writing abilities. Exercises are conducted daily in all 4 domains of language acquisition. As in Spanish I, geography, history and culture are referenced throughout the class.

SPANISH III/IV**CREDIT: 1 (2 semesters)****PREREQUISITES: Spanish II****GRADE: 11-12**

This class is a continuation of SPANISH II. The class serves to review all the vocabulary and concepts introduced throughout the previous 2 years of study and to master speech as well as comprehension, reading and writing skills. The class is conducted in Spanish with references to English when necessary. As in previous courses, geography, history and culture are referenced throughout the class.

BUSINESS EDUCATION COURSES**COMPUTER APPLICATIONS (KEYBOARDING AND FORMATTING)****STATE ID # 12005A001****CREDIT: .5 (1 semester)****PREREQUISITE: NONE****GRADES: 9-10**

This course is designed to develop basic skills in touch keyboarding techniques for entering alphabetic, numeric, and symbol information found on computers. Students will learn to edit and format text, change fonts, work with headers and footers, cut and paste text and use other word processing features. During the second half of the course, students will format business documents such as email, letters, and reports. Major emphasis is placed on improving proofreading skills and increasing speed and accuracy. Students will explore topics related to computer concepts, operating systems, telecommunications, and emerging technologies.

INFORMATION PROCESSING I**STATE ID # 10005A001****CREDIT: .5 (1 semester)****PREREQUISITE: COMPUTER APPLICATIONS I (KEYBOARDING AND FORMATTING)****GRADES: 9-10**

Information Processing I is a skill-level course designed to teach students how to use a computer as a business and personal tool through the use of application software. Office 2016 applications including PowerPoint (presentation), Excel (spreadsheet), and Access (database) will be used. Students will apply problem-solving skills to hands-on, real-life situations using the Office 2016 Suite.

The development of employability skills, as well as transition skills, will be included in the course to provide an understanding of the ethical considerations that arise in using information processing equipment and gaining access to available databases that includes the concepts and terminology related to the people, equipment, and procedures of information processing as well as skill development in the use of information processing equipment. Students will operate computer equipment to prepare memos, letters, reports, and forms. Students will create rough drafts, correct copy, process incoming and outgoing telephone calls and mail, and transmit and receive messages electronically. Students will create, input, and update databases and spreadsheets. Students will create data directories; copy, rename, move, and delete files, and perform backup procedures. In addition, students will prepare files to merge, as well as create mailing labels and envelopes from merge files. Students will learn to locate and retrieve information from hard copy and electronic sources, and prepare masters for a presentation using presentation software. Students will apply proper grammar, punctuation, spelling and proofreading practices. Accuracy will be emphasized. Workplace skills as well as communication skills (thinking, listening, composing, revising, editing, and speaking) will be taught and integrated throughout this course.

BEGINNING DIGITAL GRAPHICS**STATE COURSE ID: 10202A002****CREDIT: .5 (1 semester)****PREREQUISITE: COMPUTER APPLICATIONS (KEYBOARDING AND FORMATTING)****GRADES: 10-12**

Beginning Digital Graphics course provides students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching.

DIGITAL GRAPHICS**STATE COURSE ID: 10202A002****CREDIT: .5 (1 semester)****PREREQUISITE: BEGINNING DIGITAL GRAPHICS****GRADES: 10-12**

Digital Graphics course provides students with the opportunity to use the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Course topics include modeling, simulation, animation, and image retouching.

BUSINESS & TECHNOLOGY CONCEPTS (12001A001)**CREDIT: .5 (1 semester)****PREREQUISITE: NONE****GRADE: 9-10**

In this introductory level course, students will be exposed to an orientation to business, marketing, and management concepts, including business principles, business communications, and business computation. Areas of study will include basic business principles, types of economic systems, the U.S. market economy, types of businesses, forms of business ownership, an introduction to the stock market, and global business.

ACCOUNTING I (12104A001)**CREDIT: 1 (2 semesters)****PREREQUISITE: NONE****GRADE: 10-12**

Accounting I includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial records including the paying and receiving of money. Units of study include keeping financial records; accounting computer theory and/or applications, basic fundamentals and terminology of accounting, preparing financial reports, and operating related business machines and equipment.

ACCOUNTING II (12104A002)**CREDIT: 1 (2 semesters)****PREREQUISITE: ACCOUNTING I****GRADE: 11-12**

Accounting II will build upon the skills learned in Accounting I. Students will develop a deeper knowledge of the principles of accounting with emphasis being placed on financial statements and accounting records. Students will study previously learned principles as they apply in business. Units of study will include types of business organizations, cost accounting, tax accounting, payroll accounting, and preparing financial and budget reports.

ACCOUNTING III**CREDIT: 1 (2 semesters)****PREREQUISITE: ACCOUNTING II**

GRADE: 12

Accounting III is designed to reinforce basic accounting concepts and procedures learned in Accounting I and II and then to further expand on these concepts and procedures. In addition, the student will learn to develop more than one possible solution for a given circumstance and then select and apply the best choice. Topics covered relate to departmental and payroll accounting, automated accounting, deferrals and accruals, management accounting, and cost accounting, as they relate to partnerships, corporations and not-for-profit organizations.

BUSINESS LAW (12054A001)**CREDIT: .5 (1 semester)****PREREQUISITE: BUSINESS & TECHNOLOGY CONCEPTS****GRADE: 10- 12**

Business Law focuses on both the substance and the process of our legal system and reflects many social and ethical issues. Students will become familiar with contracts, real and intellectual property, the buyer and seller relationship, bailments, employment law, the debtor/creditor relationship, as well as a variety of other law topics. Actual legal cases are studied and the rules of law are discussed and analyzed. Students will have the opportunity to observe court proceedings at the Perry County Courthouse.

MARKETING (12167A001)**CREDIT: .5 (1 semester)****PREREQUISITE: BUSINESS & TECHNOLOGY CONCEPTS****GRADE: 10- 12**

Marketing offers insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content includes marketing principles such as purchasing, distribution, and sales; however, a major emphasis is placed on kinds of markets; market identification; product planning, packaging, and pricing; and business management. Students will work together to create a product and complete the marketing process throughout the semester.

FAMILY AND CONSUMER SCIENCES**INTRO TO FAMILY & CONSUMER SCIENCES CAREERS (22201A001)****CREDIT: .5 (1 semester)****PREREQUISITE: None****GRADE: 9-10****Maximum of 16**

This is a basic course that includes classroom and laboratory experiences needed to develop knowledge and understanding in the foundation areas of personal development, child care, housing, interior design, and clothing and textiles, as well as an introduction to the world of work. Learning experiences assist students in their awareness of today's world and the nature of family and consumer sciences field and related careers.

NUTRITION & CULINARY ARTS I (16054A001)**CREDIT: .5 (1 semester)****PREREQUISITE: None****GRADE: 9-12****Maximum of 20**

Nutrition & Culinary Arts I provides students with essential information necessary to make informed and intelligent choices regarding the selection, preparation, and serving of nutritionally sound food. Nutrition & Culinary Arts I provides a basis for further study in this vocational and occupational career area.

NUTRITION & CULINARY ARTS II (16054A002)**CREDIT: .5 (1 semester)**

PREREQUISITE: Nutrition & Culinary Arts I**GRADE: 10-12****Maximum of 20**

Nutrition & Culinary Arts II is a how-to course that provides students with classroom and laboratory experiences needed to know and understand basic food principles and applied nutrition concepts. Units of study include safety and sanitation when preparing food; basic principles of cookery including terms and application; decision-making for preparation techniques that produce satisfying meals; resource utilization when planning, preparing and serving food; as well as careers in nutrition and the culinary arts field.

CAREERS & CREATIVE CULINARY**CREDIT: .5 (1 semester)****GRADE LEVEL: 11-12****PREREQUISITES: Nutrition & Culinary Arts II****Maximum of 14**

Careers & Creative Culinary will focus on culture, customs, and the cuisine found throughout the world. We will explore international food principles while gaining workplace skills that explore one of the fastest career growing areas – the food industry. What vocational skills do you need to land a food career? This course emphasizes skills and human relations necessary in the food industry, as well as explores career opportunities.

CULINARY OCCUPATIONS I (16052A001)**CREDIT: 1 (2 semesters)****PREREQUISITE: Nutrition & Culinary Arts II****GRADE: 11-12****Maximum of 20**

Culinary Occupations I provides students interested in a career in food service with the information and practical experiences needed for the development of food service job-related skills. The students receive laboratory experience using home and commercial equipment to prepare food in small and large quantity. Training experiences involve equipment and facilities, which simulate those found in business and industry. Emphasis is placed on food facility management, cake decorating, and catering large and small functions.

CULINARY OCCUPATIONS II (16055A001)**CREDIT: 1 (2 semesters)****PREREQUISITE: Culinary Occupations I****GRADE: 12****Maximum of 20**

Culinary Occupations II places emphasis for students to develop operational management skills - including design and organization of food service systems, human relations, and personnel training and supervision. Additional topics include: food cost accounting; taking inventory; advertising; monitoring consumer and industry trends; and individualized mastery of culinary techniques. Training experiences involve equipment and facilities simulating those found in business and industry. This course is a continuation of Culinary Occupations I.

PARENTING (22204A001)**CREDIT: .5 (1 semester)****PREREQUISITE: Intro to Family & Consumer Sciences Careers****GRADE: 10-12****Maximum of 24**

What are the responsibilities, satisfactions, and stresses of parenthood? Parenting includes so much more than just management, organization, applying decision-making and goal-setting skills. In Parenting, you'll also learn to analyze relationship skills; utilization community agencies; apply basic principles; evaluate the impact of family and career changes; study health and safety standards; as well as evaluate experiences that encourage parents and children. Realityworks Real Care® Baby II-Plus computerized simulators are an essential part of this class.

CHILD DEVELOPMENT (19052A001)**CREDIT: .5 (1 semester)****PREREQUISITE: Intro to Family & Consumer Sciences Careers****GRADE: 10-12****Maximum of 24**

From conception to adolescence - Child Development places an emphasis on learning experiences that help students gain knowledge and understanding of the intellectual, physical, social, and emotional development of children. Child Development includes the promotion of positive self-esteem in children; how to apply decision-making and goal-setting skills; health and safety standards for children; as well as provides experiences through projects and incorporates teaching units while interacting with our Pre-K children.

TEXTILES & DESIGN I (19201A001)**CREDIT: .5 (1 semester)****PREREQUISITE: Intro to Family & Consumer Sciences Careers****GRADE: 10-12****Maximum of 16**

Textiles & Design I is designed to help students develop knowledge, understanding, and experience in fashion, fabric, and textiles, and to assist in meeting their needs. Students develop competencies in the following areas: selecting clothing and textile products; sewing, altering, creating home accessories; and exploring clothing related careers.

TEXTILES & DESIGN II (19203A001)**CREDIT: .5 (1 semester)****PREREQUISITE: Textiles & Design I****GRADE: 11-12****Maximum of 16**

This project-based course focuses on the implementation and recognition of design principles in selecting, constructing, altering, and remodeling products. Project management skills, including efficient use of time, materials, techniques, and tools are incorporated throughout the course. Topics include: fiber and textile trends; color therapy; alteration and re-design skills; and simple flat pattern design and recognition.

FASHION MERCHANDISING (12153A001)

CREDIT: .5 (1 semester)

PREREQUISITE: Textiles & Design I

GRADE: 11-12

Maximum of 14

Fashion Merchandising will have students researching the world of fashion and marketing while learning the basics of fashion design, clothing construction, as well as the merchandising of goods and services through hands-on projects. This course will focus on skills that address fashion design, re-construction, and display techniques.

INTERIOR DESIGN (22211A001)

CREDIT: .5 (1 semester)

PREREQUISITE: Intro to Family & Consumer Sciences Careers

GRADE: 10-12

This course provides basic knowledge and skills needed to select, acquire, maintain, and manage living environments that meet the needs of the occupants. The selection and care of housing and furnishings are related to factors such as social-economic conditions, individual taste, psychological effects, aesthetic value, safety, sanitation, and energy conservation.

FAMILY & CAREER RELATIONSHIPS (2207A001)

CREDIT: .5 (1 semester)

PREREQUISITE: Intro to Family & Consumer Sciences Careers

GRADE: 10-12

This course is designed to assist individuals and families in achieving life satisfaction through responsible participation as adults in the home, community, and workplace. Emphasis is placed on the development of prevention strategies that will assist individuals in responding to situations in terms of their identified values and goals.

FAMILY RESOURCE MANAGEMENT & PLANNING (22210A001)

CREDIT: .5 (1 semester)

PREREQUISITE: None

GRADE: 11 (Fulfills the state Consumer Education requirement)

Have you thought about your *future life*? What are *YOU* responsible for . . . a home mortgage or rent, a car or truck, paying bills, credit cards - how many? And then there's taxes, insurance, savings options and investments, budgeting, consumer ethics, buying goods and services, credit and debt, oh my! As an adult, do you know your consumer rights and responsibilities? **MONEY MATTERS!** focuses on the identification and management of personal finances and family resources.

INDUSTRIAL OCCUPATIONS

PRODUCTION TECHNOLOGY 13052A001

CREDIT: .5 (1 semester)

PREREQUISITES: None

GRADES: 9-10

Maximum of 18

Production Technology is a course designed to foster an awareness and understanding of manufacturing and construction technology. Through a variety of learning activities, students are exposed to many career opportunities in the production field. Experiences in manufacturing include product design, materials and processes, tools and equipment including computers, safety procedures, corporate structure, management, research and development, production planning, mass production, marketing and servicing. In construction, students are exposed to

site preparation, foundations, building structures, installing utilities, and finishing and servicing structures.

TRANSPORTATION TECHNOLOGY 20001A001

CREDIT: .5 (1 semester)

PREREQUISITES: NONE

GRADE: 9 -10

Maximum of 18

Transportation Technology is a course designed to foster an awareness and understanding of the various transportation customs that make up our mobile society. Through laboratory activities, students are exposed to the technologies of and career opportunities involved in material handling, atmospheric and space transportation, marine transportation, terrestrial transportation, and computer uses in transportation technology.

BEGINNING CONSTRUCTION 17001A001

CREDIT: .5 (1 semester)

PREREQUISITES: Production Technology (Intro to Industry)

GRADE: 10-12

Maximum of 16

Beginning Construction course expose students to the opportunities available in construction - related trades, such as carpentry, masonry, air conditioning/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects.

BEGINNING WELDING 13207A003

CREDIT: .5 (1 semester)

PREREQUISITE: Production Technology

GRADE: 10-12

Maximum of 16

Beginning Welding course enables students to gain knowledge of the properties, uses, and applications of various metals, skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes), and experience in identifying, selecting, and rating appropriate techniques. Welding courses often include instruction in interpreting blueprints or other types of specifications.

CONSTRUCTION TRADES I / CONSTRUCTION TRADES II 17002A001/17002A002

CREDIT: 1 (2 semesters)

PREREQUISITES: Production Technology and Beginning Construction

GRADE: 11-12

Maximum of 16

CT I This course provides experiences related to the erection, installation, and maintenance of residential buildings and related fixtures. Planned learning activities allow students to understand fundamental principles and methods, and 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.

CT II This course provides learning experiences related to the erection, installation, maintenance, and repair of building structures and related utilities. Student technical skill

experiences include instruction and activities in safety principles and practices, performing maintenance control functions, joining pipes, building water distribution lines and drains, installing and maintaining plumbing fixtures and systems, installing switch and outlet boxes, light fixtures, service entrances, roughing in and trimming out electrical devices and appliances, preparing foundations and footings, constructing residential chimneys and fireplaces, laying, jointing and pointing brick, and advanced building and construction methods and codes. All learning experiences are designed to allow the student to acquire job-entry skills and knowledge.

WELDING TECHNOLOGY I / WELDING TECHONOLGY II 13207A001/ 13207A002

CREDIT: 1 (2 semesters)

PREREQUISITES: Production Technology and Beginning Welding

GRADE: 11-12

Maximum of 16

WT I This course assists students in gaining the knowledge and developing the basic skills needed to be successful in welding technology. Units of instruction include arc, TIG and MIG welding, metallurgy, cutting metal using arc, plasma, and oxy -gas. In addition, students learn the basics of blueprint reading, precision measuring, layout, and production process planning.

WT II This course builds on the skills and concepts introduced in Welding Technology I and provides more in -depth skill development in various types of welding including horizontal, vertical, overhead, and circular techniques. Students also explore the use of robotic and automated production welding.

DRAFTING 21102A001

CREDIT: .5 (1 semester)

PREREQUISITES: None

GRADE: 10-12

Maximum of 16

Drafting—General courses, usually offered as a sequence of courses, introduce students to the technical craft of drawing illustrations to represent and /or analyze design specifications and then refine the skills necessary for this craft. Drafting—General courses use exercises from a variety of applications to provide students with the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multiview projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems (if available) are typically introduced and used to fulfill course objectives.

AUTOMOTIVE TECHNICIAN I 20104A001

CREDIT: .5 (1 semester)

PREREQUISITES: NONE

GRADE: 11 -12

Maximum of 16

This course introduces students to the basic skills needed to inspect, maintain, and repair automobiles and light trucks that run on gasoline, electricity, or alternative fuels. Instructional units include engine performance, automotive electrical system, integrated computer systems, lubrication, exhaust and emission control, steering and suspension, fuel systems, cooling system, braking, and power train.

AUTOMOTIVE TECHNICIAN II 20104A002

CREDIT: .5 (1 semester)
PREREQUISITES: NONE
GRADE: 11-12
Maximum of 16

This course is a continuation of and builds on the skills and concepts introduced in Automotive Technician I. This course includes instructional units in alternative fuel systems, computerized diagnostics, new vehicle servicing, automotive heating and air conditioning, transmissions, testing and diagnostics, drive train and overall automobile performance.

AGRICULTURE

INTRODUCTION TO THE AGRICULTURAL INDUSTRY

STATE COURSE ID: 18001A001

CREDIT: 1 (2 semesters)

PREREQUISITES: None

GRADE: 9-10

Maximum of 20

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

HORTICULTURAL PRODUCTION & MANAGEMENT

STATE COURSE ID: 18051A001

CREDIT: 1 (2 semesters)

PREREQUISITES: Introduction to Agriculture Industry

GRADE: 10-12

Maximum of 18

This course offers instruction in both the greenhouse production and landscape areas of horticulture. Units of study include plant identification, greenhouse management, growing greenhouse crops, landscape design, installation, and maintenance, horticulture mechanics, nursery management, and turf production. Agribusiness units will cover operating a horticultural business, pricing work, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

BASIC AGRICULTURAL SCIENCE (AGRI 1251 Intro to Ag Production)

STATE COURSE ID: 18003A001

CREDIT: 1 (2 semesters)

PREREQUISITES: Introduction to Agriculture Industry

GRADE: 11-12

Maximum of 20

This course builds on basic skills and knowledge gained in the Introduction to the Agricultural Industry course. Major units of instruction include agricultural research, soil science, advanced plant science, biotechnology, and advanced animal science. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience

(SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

AGRICULTURAL BUSINESS MANAGEMENT

STATE COURSE ID: 18201A001

CREDIT: .5 (1 semester)

PREREQUISITES: Introduction to Agriculture Industry

GRADE: 11-12

Maximum of 20

This course will provide students with the basic knowledge and skills necessary to manage personal finances and develop into a successful entrepreneur and /or businessperson. Instructional units include: business ownership types, starting an agribusiness, managing and operating an agribusiness, financing an agribusiness, managing personal finances, record keeping and financial management of an agribusiness, local, state, and federal taxes, agricultural law, and developing employability skills. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. (Consumer Education Credit)

ANIMAL SCIENCE

STATE COURSE ID: 18101A002

CREDIT: .5 (1 semester)

PREREQUISITES: Introduction to Agriculture Industry and Biology

GRADE: 10-12

Maximum of 20

This course will develop students' understanding of the livestock (beef, dairy, sheep, goats, and swine), poultry, and large (equine) animal industry. Topics of instruction include scientific investigations, genetics, animal anatomy and physiology, animal nutrition, animal reproduction, animal health, and meat science. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

NATURAL RESOURCES CONSERVATION AND MANAGEMENT

STATE COURSE ID: 18504A002

CREDIT: 1 (2 semesters)

PREREQUISITES: Introduction to Agriculture Industry and Biology

GRADE LEVEL: 10-12

Maximum of 20

This course develops management and conservation skills in understanding the connection between agriculture and natural resources. Student knowledge and skills are developed in: understanding natural resources and its importance; fish, wildlife, and forestry management and conservation; and exploring outdoor recreational enterprises. Hunting and fishing as a sport, growing and managing tree forests, and outdoor safety education will be featured. Career exploration will be discussed including: park ranger, game warden, campground manager, forester, conservation officer, wildlife manager, and related occupations. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

HEALTH CARE SCIENCES

CERTIFIED NURSING ASSISTANT 1

CREDIT: 1 (1 semester)

PREREQUISITES: Must have a minimum of score of 235 in Reading on Accuplacer; Human Anatomy preferred but not required

GRADE: 11-12**Maximum of 8**

This course is designed to prepare students with needed skills to function successfully as a nursing assistant in various health facilities. The student will provide care to patients under direct supervision of a licensed nurse. This course is approved by the Illinois Department of Public Health, IDPH.

Topics that will be covered include: cardiopulmonary resuscitation, basic anatomy and physiology, skills for basic care and procedures, body mechanics, safety measures, communication skills, care of residents with Alzheimer's disease, dying, post-mortem care, and rehabilitation. This course consists of theory instruction in the classroom and lab setting, and hands on clinical experience in a long term care facility. Upon successful completion of this course requirements the student is eligible to apply to take the written competency exam and be placed on the Health Care Worker Registry.

DUAL CREDIT OFFERINGS**AGRI 1251 – Intro to Ag Production (3)****CREDIT: 1 (2 semesters)****PREREQUISITES: Introduction to Agriculture Industry****GRADE: 10-12****Maximum of 20**

This class is offered as a dual credit class through Rend Lake College. This course is an introduction to the fundamental principles of agronomy. Topics will revolve around essential basics of crops and soil sciences as they apply to production agriculture. This course is designed with the intent to build a working knowledge of agronomic principles in order to prepare for more in-depth subject matter.

BIO 1100 – Biology for Non-Majors (4)**CREDIT: .5 (1 semester)****PREREQUISITES: Scores on Placement Test and cumulative GPA of 3.0****GRADE: 11 or 12**

This class is offered as a dual credit class through Rend Lake College. For students who are non-majors but want a general knowledge of biology. An introduction to biology and the nature of science, as well as historical and modern applications of biology to other sciences and society. Topics include organisms and ecology, Mendelian genetics and evolution, bio-chemistry, DNA, cell organization and energy transformations in cells. Lecture 3 hours. Lab 2 hours.

ENGL 1101 – Rhetoric and Composition I (3)**CREDIT: .5 (1 semester)****PREREQUISITES: See under English Section****GRADE: 12**

This class is offered as a dual credit class through Rend Lake College. The general objectives of the first-semester composition course are to prepare the student for college work through teaching him or her to use the library, to read more effectively and to write good expository prose based on personal observation and reading. Grade of "C" or better required for IAI. Lecture 3 hours.

ENGL 1102 – Rhetoric and Composition II (3)**CREDIT: .5 (1 semester)****PREREQUISITES: Completion of ENGL 1101 with a "C" or better****GRADE: 12**

This class is offered as a dual credit class through Rend Lake College. General objectives of the second-semester composition course are the same as the first with more advanced application. A research paper is required. Grade of "C" or better required for IAI. Lecture 3 hours.

MATH 1108 – College Algebra (3)**CREDIT: .5 (1 semester)****PREREQUISITES: Integrated Math III and Scores on Placement Test**

GRADE: 11 or 12

This class is offered as a dual credit class through Rend Lake College. This course covers complex numbers, quadratic equations, polynomial and rational inequalities, the algebra of functions, graphing functions, inverse functions, rational functions, polynomial functions, systems of equations, determinants, Cramer's Rule, the binomial theorem and other selected topics.

Lecture 3 hours.

MATH 1109 – Plane Trigonometry (3)

CREDIT: .5 (1 semester)

PREREQUISITES: MATH 1108 with a "C" or better

GRADE: 11 or 12

This class is offered as a dual credit class through Rend Lake College. A course dealing with definitions of trigonometric functions, graphing, formulas, identities, solution of triangles using trigonometric functions and logarithmic functions, solution of trigonometric equations, inverse trigonometric functions and their graphs, complex numbers and the solution of practical problems. Lecture 3 hours.

MATH 1121 – Calculus and Analytic Geometry I (5)

CREDIT: .5 (1 semester)

PREREQUISITES: MATH 1108 and MATH 1109 with a "C" or better

GRADE: 12

This class is offered as a dual credit class through Rend Lake College. A first course in calculus and analytic geometry. This course includes limits, techniques of differentiation, applications of the derivative, curve sketching, introduction to techniques of integration and applications of the definite integral.

Lecture 5 hours.

MATH 1201 – Technical Mathematics (3)

CREDIT: .5 (1 semester)

PREREQUISITES: Math 1401 with a "C" or better or equivalent placement

GRADE: 12

This course focus on essential math skills and tools to help students be successful in their future careers. This course uses a hybrid classroom (time in shop and classroom) as well as real world examples to create a true understanding of use in the real world. Topics to be covered include: percentage; powers of ten; ratios and proportions; algebra topics, including polynomials, equations and formulas; an introduction to trigonometry, including basic right triangle formulas.

PSYC 2101 – Introduction to Psychology (3)

CREDIT: .5 (1 semester)

PREREQUISITES: Scores on Placement Test and cumulative GPA of 3.0

GRADE: 12

This class is offered as a dual credit class through Rend Lake College. An introductory course in the scientific study of affect, behavior and cognition. The broad scope of the field of psychology will be covered, with emphasis on major theories, multi-cultural and gender differences, and behavior patterns of the individual. Child development, learning theories, abnormal psychology, mental health, personality and mental measurement and their practical applications will be studied. Lecture 3 hours.

PSYC 2102 – Child Psychology (3)

CREDIT: .5 (1 semester)

PREREQUISITES: PSYC 2101

GRADE: 12

This class is offered as a dual credit class through Rend Lake College. A study of the psychological development of the child, with emphasis on practical applications useful to parents, educators and other caregivers. The course covers human development from conception through young adulthood, including multi-cultural and gender-related issues. Lecture 3 hours.

SOCI 1101 – Introduction to Sociology (3)

CREDIT: .5 (1 semester)

PREREQUISITES: Scores on Placement Test and cumulative GPA of 3.0

GRADE: 12

This course is a study of the basic elements of sociological inquiry, including culture, personality, social structure, stratification, community and deviant behavior. It is designed to equip sociology majors with the necessary foundation to continue in sociology and provide non-majors with general understanding of the structure and process of society.

MUSI 1100 – Music Appreciation (3)

CREDIT: ½ (1 semester)

PREREQUISITES: Scores on Placement Test and cumulative GPA of 3.0

GRADE: 11 or 12

This class is offered as a dual credit class through Rend Lake College. A course for the non-music major designed to develop an understanding and appreciation of music. It covers fundamentals, terminologies, forms and styles, with an emphasis on listening. Lecture 3 hours.

SENIOR ONLY ELECTIVE COURSES

SCHOOL to WORK

CREDIT: NONE

PREREQUISITES: Senior. Must be on track for graduation.

GRADE: 12

Students must submit a written application to their counselor to be accepted in the program. Students must demonstrate dependability through attendance and discipline records and must have at least a 3.0 GPA. Students will be selected based on the application and teacher recommendations. School to Work is a program of supervised work experiences through a cooperative arrangement between the school and various workstations within the community. Essentially, students are released for approximately 10 hours weekly to work in an occupational area and receive pay for this experience. The students only attend classes in the morning. The student, employer, and coordinator will develop a written training agreement and personalized training plan. The student is responsible to securing employment. Students do not receive high school credit for working.

INTERRELATED COOPERATIVE EDUCATION

CREDIT: 2 (2 semesters)

PREREQUISITES: IEP must identify need.

GRADE: 12

Students must submit a written application to the Coordinator to be accepted in the program. Students must demonstrate dependability through attendance and discipline records. Students will be selected based on the application and teacher recommendations. ICE is a program of supervised work experiences through a cooperative arrangement between the school and various workstations within the community. Essentially, students are released for approximately 10 hours weekly to work in an occupational area and receive pay for this experience. Students must also enroll in a related cooperative education class. The student, employer, and coordinator will develop a written training agreement and personalized training plan. Work-based educational placements are available in all career and technical education areas.

INTERRELATED COOPERATIVE EDUCATION CLASS

CREDIT: 1 (2 semesters)

PREREQUISITES: IEP must identify need.

GRADE: 12

This class is designed for senior students interested in gaining workplace skills through an organized classroom setting and the workplace environment. This course helps students develop skills and attitudes necessary for success in the workplace. Units of study include understanding employer expectations, developing employability skills, using teamwork, effectively using business communications, understanding workplace safety, understanding and calculating payroll and income taxes, demonstrating business etiquette, and exploring career and higher education opportunities.

WORK STUDY**CREDIT: 1 (2 semesters)****PREREQUISITES: IEP must identify need.****GRADE: 12**

Work Study combines learning experiences gained through in-school related instruction (study) with regularly scheduled supervised employment (work). In a Work Study placement, the student is treated as an employee and has the opportunity to develop work readiness skills in addition to enhancing his/her academic and/or technical competencies. Work Study is connected to a program the student has taken or is currently in. The student uses skills/knowledge gained in the classroom setting and applies them to live work that better the school community – they provide a service to the school that is above and beyond the assignment for class or is part of a teacher's normal responsibilities. The student will be evaluated by their teacher supervisor to earn course credit. Students earn an hourly wage and are responsible for turning in their Work Study hours on a monthly basis to receive their pay.