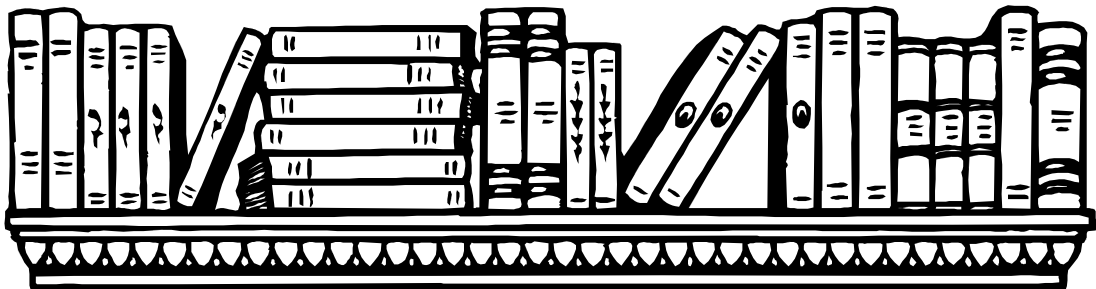


PALESTINE
HIGH
SCHOOL



CURRICULUM GUIDE
AND
GRADUATION REQUIREMENTS

Revised: March 2010

INTRODUCTION

Selecting a sound academic program for ones high school years is becoming increasingly complicated. Palestine High School offers a modern, comprehensive curriculum designed to prepare “each” student for his/her current needs, higher education, or entry into the world of work. We cannot stress strongly enough the need for careful and intelligent planning among the student, his/her parents and, his/her counselor if sound programs is to be well adapted to individual goals and requirements.

As you examine the course selections in this booklet, please bear in mind not only short-term needs, but also long-term goals. Be aware that we have a number of electives to choose from. On the other hand, we also have a number of “requirements” for graduation, which must be kept in mind at all stages of planning. Where you have questions, please call the school to determine accurate information.

Above all, plan a program, which challenges you appropriately by setting realistic goals, which will enable you to take advantage of the offerings available here. Always plan course selection with alternatives in mind, since that is the only flexible way to assure a sound education in today’s constantly changing environment.

As always, the school is ready to help you in any way it can. Please do not hesitate to call.

REQUIREMENTS FOR GRADUATION

In order to secure a diploma from Palestine High school, a student shall have completed four full years (two semesters each year) of high school enrollment grades 9-12, excluding summer school. A student must have twenty-six (26) total credits to graduate. Twenty-two (22) are academic and four (4) are Physical Education. One credit is equal to one period of classroom work per day during the entire school year (unless otherwise noted).

Graduation Date	Math	Writing	Language Arts	Science	Social Science	Electives
2011 (Students entering 9 th grade in 2007 - 2008)	3 years; 1 must be Algebra I and 1 year must have Geometry content	2 years; 1 must be an English course and 1 must be provided as a part of any course offered	3 years; no content specified	2 years; no content specified	2 years; must include 1 year of US history or a combination of US History and American Government	1 year; includes art, music, foreign language, or vocational education
2012 (Students entering 9 th grade in 2008 - 2009)	3 years; 1 must be Algebra I and 1 year must have Geometry content	2 years; 1 must be an English course and 1 must be provided as a part of any course offered	4 years; no content specified	2 years; no content specified	2 years; must include 1 year of US history or a combination of US History and American Government	1 year; includes art, music, foreign language, or vocational education
2013 (Students entering 9 th grade in 2009 - 2010)	3 years; 1 must be Algebra I and 1 year must have Geometry content	2 years; 1 must be an English course and 1 must be provided as a part of any course offered	4 years; no content specified	2 years; no content specified	2 years; must include 1 year of US history or a combination of US History and American Government	1 year; includes art, music, foreign language, or vocational education
2014 (Students entering 9 th grade in 2010-2011)	3 years; 1 must be Algebra I and 1 year must have Geometry content	2 years; 1 must be an English course and 1 must be provided as a part of any course offered	4 years; no content specified	2 years; no content specified	2 years; must include 1 year of US history or a combination of US History and American Government	1 year; includes art, music, foreign language, or vocational education

In addition to the above the State Board of Education has implemented the following minimum entrance requirements for admission to a state college or university.

English	4 credits
Mathematics (Algebra, Geometry)	4 credits (3 must be Alg 1 and higher)
Science	3 credits
Social Studies	3 credits
Electives in Humanities (Art, Foreign Language, Music, Voc. Ed.)	3 credits

In order to ensure meeting requirements, students interested in college or unsure about college should begin as freshman in courses that will meet those minimum requirements of admission.

A SAMPLE OF A POSSIBLE COLLEGE PREP PROGRAM

FRESHMAN:	English 1 Algebra 1 Physical Science, or Biology 1 Health/ Geography Keyboarding/Study Skills Drivers Education/PE Electives - 2
SOPHOMORE:	English 2 Algebra 2, or Geometry Biology 1, Biology 2, or Chemistry 1 Constitutional History/Computer Applications PE Electives – 3
JUNIOR:	English 3 Algebra 2, Geometry, or Pre Calculus Biology 2, Biology 3, Chemistry 1, Chemistry 2, or Physics U.S. History Resources Management/ ½ elective Information Processing I PE Foreign Language Elective –½
SENIOR:	English 4 Pre Calculus, Calculus, or Statistics Biology 3, Chemistry 1, Chemistry 2, or Physics Social Studies Elective Information Processing II PE Foreign Language Electives – 1

PLAN TO COMPLETE ALL STATE/LOCAL GENERAL EDUCATION REQUIREMENTS

FRESHMAN:	English 1 Math Science Health/Geography Drivers Education/PE Keyboarding/Study Skills Electives – 2
SOPHOMORE:	English 2 Math Science Computer Applications/ Constitutional History PE Electives – 3
JUNIOR	English 3 Math U.S. History Resources Management—1 semester PE Electives – 3 ½
SENIOR:	English PE Electives –6

PLAN FOR STUDENTS ENTERING VOCATIONAL—TECHNICAL CAREERS

FRESHMAN:	English 1 Math Science Health/Geography Drivers Education/PE Keyboarding/Study Skills Vocational Education Elective Electives – 1
SOPHOMORE:	English 2 Math Science Computer Applications/Constitutional History PE Vocational Education Elective Electives – 2
JUNIOR:	English 3 Math U.S. History Resources Management- 1 semester PE Vocational Education Systems class or two Electives Electives – 1 ½
SENIOR:	English 4 PE Vocational Education Systems Class Electives – 4

Students have an opportunity to experience vocational classes in a variety of areas including Business, Family and Consumer Science and Industrial Technology. They also have the opportunity as juniors and seniors to take the classes offered through the Twin Rivers Career and Technical Education System that are offered at Robinson High School and Lincoln Trail College.

COURSES OFFERED AT PHS

ACADEMIC COURSES

SOCIAL STUDIES

U.S. History (1865 to Present) *
World History * (1 or 2 semesters)
20th Century American History * (1 or 2 semesters)

Current Events * (1 or 2 semesters)
Constitutional History * (1 semester)
World Geography * (1 semester)

MATHEMATICS

Pre Algebra
Algebra 2 *
Geometry *
Calculus * (at LTC)

Algebra 1 *
Informal Geometry*
Pre Calculus *
Statistics * (1 semester)

ENGLISH

English 1
English 3 *
Creative Writing * (1 or 2 semesters)
Speech

English 2 *
English 4 *
Review English 1-4*

FOREIGN LANGUAGE

Spanish 1
Spanish 3 *

Spanish 2 *
Spanish 4 *

SCIENCE

Physical Science
Biology 1 *
Biology 3 *
Chemistry 1 *
Physics *

Life Science
Biology 2 *
Botany/Genetics
Chemistry 2 *

FINE ARTS

Band
Art 1 *
3-D Art* (1 semester)
Visual Arts Studio

Chorus
Art 2 *
Art 3*
Painting (1 semester)

DRIVERS, HEALTH AND PHYSICAL EDUCATION

Physical Education
Drivers Education (1 semester)

Health Education (1 semester)

STUDY SKILLS

Study Skills (1 semester / freshman)

- * Course has prerequisite

VOCATIONAL EDUCATION COURSES

BUSINESS

Keyboarding and Formatting	Accounting 1
Computer Applications * (1 semester)	Desk Top Publishing * (1 semester)
Orientation to Business	Information Processing 1* (word/ excel)
Youth Apprenticeship *	Information Processing 2* (access / powerpoint)

FAMILY AND CONSUMER SCIENCE

Orientation to Home Economics	Foods & Nutrition *(1 semester)
Child Development (1 semester)	Food Service Occupations *
Adult Living *(1 semester)	Living Environments* (1 semester)
Parenting *(1 semester)	Resources Management (1 semester)
Child and Day Care Services 1* (2 periods) %	Child and Day Care Serv. 2* (2 periods) %

INDUSTRIAL TECHNOLOGY

Production Technology (1 semester)	Communication Technology (1 Semester)
Energy Utilization *(1 semester)	Transportation Technology *(1 semester)
Manufacturing Technology 1	Manufacturing Technology 2
Construction 1* (2 periods)	Construction 2* (2 periods)
Auto Mechanics 1 * (2 periods) %	Auto Mechanics 2* (2 periods) %

HEALTH OCCUPATIONS

Health Occupations 1*(2 periods) %	Health Occupations 2 *(2 periods) %
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- *Course has prerequisite
- % Course offered off campus at RHS or LTC

Please note that course offerings are dependant upon student interest and therefore some courses are not offered every year.

ACADEMIC COURSES

SOCIAL STUDIES

WORLD HISTORY

½ or 1 credit

An elective class offered beginning at the sophomore level. This course is offered on a semester basis meeting both semesters of the school year. World History is designed to help students study and analyze the development of civilization from pre-history to modern times.

CONSTITUTIONAL HISTORY

½ credit

A one-semester class required for graduation that is offered at the sophomore level.

Topics covered in this course include: principles of government, origins of American Government, the United States and Illinois State Constitutions, federalism, voters and voter behavior, Congress, the Presidency, the Federal Court System, civil liberties, and civil rights, organization of state and local governments, comparative political systems, and the U.S. Flag code. **The state required constitution and flag code tests are administered during this course.**

CURRENT EVENTS

½ or 1 credit

A course offered to sophomores and above that would use one of the major newsmagazines as its text. The purpose of the course is to make the students familiar with the everyday world. Students should be able to place themselves in the context of current history with greater clarity and understanding—while at the same time develop basic reading, comprehension and interpretive skills. By reading and studying both sides of a situation, students will learn to draw reasonable conclusions from the evidence presented. **Since current issues are always evolving, this course can be taken twice and receive credit.**

U.S. HISTORY (1856 to present)

1 credit

United States History is a required course usually offered at the junior level.

The objective of this course is to involve the students in material that aids them in learning that change is a constant: that there are no quick and/or easy answers to life's problems; and to learn the value of historical perspective with regard to their heritage. United States History will consist of the analysis of the struggles this nation undertook to rebuild itself following the Civil War. Included will be the study of the nation as it changed into an industrial nation; the roles of women, African Americans, and other ethnic groups throughout the late 1800's and into the 1900's as well as how these roles changed as a result of the suffrage movement and the civil rights movement; the conservation movement; the first and second World Wars; the Holocaust; the events that shaped opinion during the cold war, the turbulent 60's and throughout the present day events that are leading us into the future.

WORLD GEOGRAPHY

½ credit

A required course at the freshman level.

This course will consist of the study of the lands, people, governments, cultures, and resources of the major areas of the world. Emphasis will be placed on the effects of geography on society. Students will be expected to use maps and other geographic instruments and technologies to answer complex geographic questions and analyze spatial patterns and distributions on earth.

20TH CENTURY AMERICAN HISTORY (1945-present)

½ or 1 credit

An elective course offered at the sophomore level and above. It meets for one year in semester blocks with the student being able to take the entire year or either semester. This course is designed to help students study and analyze modern American history and to better understand the present and why the U.S. is where it is today. The course begins with the post-war world in 1945 through the Civil Rights movement of the 1950's and 60's. Also included is the study of various minority developments of the last half of the 20th century; including Watergate, the Vietnam War and the 80's and 90's.

MATHEMATICS

PRE-ALGEBRA

1 credit

This is not a college preparatory class and is not accepted by colleges as one of the years of math required for admission. This course is designed for students who have shown a reasonable mastery of basic concepts in arithmetic, but not sufficient mastery for Algebra 1. Topics covered include: a basic review of operations involving fractions and decimals, operations with signed numbers, solutions to equations and basic concepts in geometry.

ALGEBRA 1

1 credit

Pre-requisite: Pre-Algebra

This course is designed for incoming students with a solid grasp of basic mathematics and the ability to read and comprehend word problems. Algebra 1 is the lowest level of college preparatory mathematics accepted by colleges for admission. Topics covered include: solving equations and systems of equations; basic geometry concepts of area and volume; signed numbers; positive, negative and zero exponents; functions; factoring polynomials; ratio, percent, fraction and decimal word problems, basic probability, graphing, basic statistical computations including mean, mode, median, range; stem and leaf plots and histograms; and extensive work with word problems.

INFORMAL GEOMETRY

1 credit

Pre-Requisite: Algebra 1 and Junior standing

This course focuses on the key topics that provide a strong foundation in the essentials of geometry. In addition to the traditional concepts of plane geometry (angles, triangles, circles, similarity, area, volume, etc...) an effort will be made to review other concepts

ALGEBRA 2

1 credit

Pre-requisite: Algebra 1

This course is a must for students planning to enter engineering or science fields. Many colleges and technical schools require two years of algebra for admission. This is a continuation of Algebra 1 and covers operations of signed numbers, exponents, algebraic fractions, factoring, linear equations and their graphs, word problems, variations, roots of numbers, quadratic equations and their graphs, progression and sequences.

GEOMETRY

1 credit

Pre-requisite: Algebra 1

Geometry requires a pattern of thinking that develops a habit of thought which is quite different from other math. It is an admission requirement of most colleges. Extensive work with two-column formal proofs is done. Topics covered are points, lines, planes, constructions, proofs, congruent and similar polygons, ratio and proportions, parallel lines, circles, area of polygons and volume of solids. Although the main topic is plane geometry, consideration is taken of three-dimensional geometry.

PRE-CALCULUS

1 credit

Pre-requisites: Algebra 1, Algebra 2, and Geometry

This is an elective course designed to give students greater in depth knowledge of higher mathematics. Topics covered are trigonometry and its application, theory of equations, analytic geometry, and an introduction to the basics of differential calculus.

STATISTICS

½ credit

Pre-requisite: Algebra 2 and junior or senior standing

This course covers descriptive and inferential statistics. Since many fields now require a college statistics class, this course is designed to introduce students to the field of study in a non-threatening manner, thereby helping ease the transition to college. Topics covered will include an introduction to probability, mode, mean, median and range, data collection and analysis, sampling and surveying, Chi-square, normal distribution, and confidence intervals.

ENGLISH

ENGLISH 1

1 credit

English I covers grammar, literature, and writing. There is a basic grammar review. The reading and comprehending of a variety of literary genres are stressed. There are many types of writing experiences based upon the literature read. The students will learn to use appropriate grammar in their writing, clearly organize ideas in a logical manner, develop skills for the interpretation and evaluation of written material, understand a variety of written works, recognize differences in various genres, listen critically, and understand the spoken word.

ENGLISH 2

1 credit

Pre-requisite: Passing grade in English 1

English II continues the study of grammar, literature, and writing with a special emphasis on oral communication. The organization, preparation, and presentation of a variety of speeches are taught. Students are given the opportunity to prepare multiple speeches, so they have time to improve. The writing of longer composition is taught. The class also teaches an enjoyment of and appreciation for literature.

ENGLISH 3

1 credit

Pre-requisites: Passing grade in English 1 and 2

English 3 continues the study of grammar, literature, and writing. This class stresses test-taking skills including vocabulary, analogies and ACT-type questions. Longer and more complex compositions are written including a formal research paper. Class presentations are also an integral element of this course. American

ENGLISH 4

1 credit

Pre-requisites: Passing grade in previous 6 semesters of English with no quarter grade lower than a "C" average or permission of the teacher.

This class provides the college-bound student with a final opportunity to polish communication and research skills needed for success in college. The class teaches preparation of several types of longer compositions and research papers. The class also provides an understanding of the literary heritage of England through the study of literature from different time periods.

CREATIVE WRITING

½ or 1 credit

Pre-requisite: Passing grade in English 1 and 2 with no quarter grade lower than a "C" average, pass 6 semesters of English 1,2 &3 or permission of teacher.

This class encourages various areas of writing, such as poetry, short story, journals, drama, children's stories as well as biography, autobiography, advertising, and journalism. Techniques of writing, grammar and vocabulary are also included.

SPEECH

1 credit

Speech class focuses on the study and evaluation of various famous speeches; the building of self-esteem; and the organization, preparation, and presentation of a variety of speeches written by the students. Students will prepare multiple speeches, so they have time to improve.

REVIEW ENGLISH I

1 credit

Prerequisite: The student must read at least two grade levels below grade nine as tested by a standardized reading test.

This course stresses a variety of decoding skills and comprehension techniques to improve reading ability. Other areas included would be spelling, basic composition, some grammar review, and some work with literary terms and interpretation. Each class is especially geared to address the weaknesses of those class members.

REVIEW ENGLISH II

1 credit

Prerequisite: The student must read at least two grade levels below grade ten as measured on a standardized reading test.

This class continues the work begun in Review English I

REVIEW ENGLISH III**1 credit**

Prerequisite: The student must read at least two grade levels below grade eleven as measured on a standardized reading test.

This class continues the work begun in Review English I and II.

REVIEW ENGLISH IV**1 credit**

Prerequisite: The student must read at least two grade levels below grade twelve as measured on a standardized reading test.

This class continues the work begun in Review English I, II, and III.

FOREIGN LANGUAGE

In accordance with the philosophy of foreign language at Palestine High School and in order to achieve smooth transition as well as mastery of the language, the material from one level is incorporated into the next level through review, but also with completion of language not previously covered. This continuous and sequential use of materials will hopefully enable the students to better succeed in their study of Spanish.

SPANISH 1**1 credit**

Spanish 1 is an introductory class in the study of Spanish. Great emphasis is placed upon listening, speaking and correct pronunciation. Also emphasized are a basic acquisition of vocabulary as well as introduction to reading and writing in the target language and its grammatical structures. Cultural study of the Spanish-speaking world and the habits and customs of the people are also studied.

SPANISH 2**1 credit**

Pre-requisite: Spanish 1

Spanish 2 is an intermediate continuation of drill in the four basic skills (listening, speaking, reading, and writing) as well as the use of grammatical structures and the study of Hispanic culture and geography.

SPANISH 3**1 credit**

Pre-requisite: "C" average in Spanish 1 and 2 or permission of teacher

This class reviews basic grammar and verb forms as well as expands vocabulary, cultural knowledge and basic speaking and listening skills. Emphasis is placed on an increased use of Spanish through all communication skills including reading of Spanish works, such as mysteries, plays and short stories.

SPANISH 4**1 credit**

Pre-requisite: "C" average in Spanish 3 or permission of teacher

Spanish 4 is an advanced level of Spanish with emphasis placed upon speaking, correct grammatical use of writing and the reading and understanding of advanced works in the target language. Three goals of a successful completing of four years of study of Spanish are to be able to use the language to communicate, to successfully pass the university proficiency exam, to appreciate the culture of Hispanic people.

SCIENCE

PHYSICAL SCIENCE

1 credit

Laboratory Class

This course attempts to give students a good understanding of the basic concepts of chemistry and physics and the relationship to student's everyday life. The course is designed to create an atmosphere of discovery, to maintain sharp curiosity, and to lay a firm background for those students taking future courses in chemistry and physics. Units of environmental science and natural resource management are also covered.

LIFE SCIENCE

1 credit

Pre-requisite: Sophomore

This course is designed to help the student understand the fundamental concepts and principles involved in cellular biology, genetics, and ecology. The foundations formed in this class will prepare the students for Bio-Science.

BIOLOGY 1

1 credit

Laboratory Class - This is an elective course offered primarily to sophomores.

Biology 1 utilizes a variety of instructional methods to investigate the structure and functions of living organisms. It explores the functional processes of cells, tissues, organs, and systems within various groups of organisms. The interdependence of organisms within earth's biosphere is also considered, as well as natural resource management. Emphasis is placed upon an introduction to four major areas of biology. These are cell biology, genetics/DNA science, botany, and zoology. During this course students will also: gain an understanding of how biological knowledge has advanced, investigate careers related to the use of biological knowledge, and consider biological questions related to human health needs and bioethical issues. Laboratory work including dissections is also included to aid the student in the understanding of concepts, functions, and anatomy.

BIOLOGY 2

1 credit

Laboratory class

Pre-requisite: "C" in Bio. 1 and/or permission of teacher

This is an elective course offered primarily to juniors. This class provides opportunities for literature, field, and Internet investigations into the structure, function, and life process of organisms. Topics include taxonomy, ecology and physiology. Special emphasis in the laboratory is placed upon Illinois vertebrates. This course builds upon knowledge gained in Biology 1 by challenging students with more rigorous, in-depth investigations. Laboratory activities including dissections will be used to illustrate these processes.

BIOLOGY 3

1 credit

Laboratory class

Pre-requisites: Biology 2 with B or permission of teacher

Is an advanced course, which integrates disciplines such as Chemistry, Earth Science, and Biology. This course is designed to intellectually challenge students by pursuing an in-depth study of topics such as biodiversity, natural resource management and ecology (aquatics, wildlife, forestry, and soils) with a special emphasis on how these topics relate to Illinois. Emphasis is also placed on problem-solving skills and making practical uses of scientific concepts within the framework of environmental studies. Student environmental responsibility will also be considered. Readings in ecology and biodiversity conservation are required.

CHEMISTRY 1

1 credit

Laboratory class

Pre-requisite: Algebra 1

The course attempts to explain many characteristics of matter: including such things as the atom's structure and energy, molecular structure and energy, chemical reactions, behavior of gases, and the nature of chemical equilibrium's. The laboratory is an important part of the course. It is a place where it is hoped the excitement of discovery is experienced as well as the learning of technique and the development of lab skills and confidence.

CHEMISTRY 2**1 credit****Laboratory class****Pre-requisite: "C" in Chemistry 1 and/or permission of teacher**

This course will include a review of the basic concepts covered in Chemistry 1. New topics will include organic chemistry, biochemistry, reaction kinetics, chemical equilibrium, and oxidation/reduction reactions. A more in-depth study will also be done over the characteristics and uses of elements in society.

PHYSICS**1 credit****Laboratory class****Pre-requisite: Math through Algebra 2 and/or teacher permission**

Many physical principles and some of their applications are learned through and exploration of the fields of mechanics, heat, light, sound, electricity, and nuclear structure. The lab is used as a place to explore, to gain responsibility, and to verify and augment the classroom learning.

BOTONY**½ credit****Prerequisite: Biology 2**

This course will provide information about plants and modern plant biology. Special topics will include plant identification and ethno botany.

GENETICS**½ credit****Prerequisite: Biology 2**

This course will emphasize the basic concepts of genetics with special emphasis on human genetics, such as, disabilities present at birth, prevention and early identification of high risk families.

HUMANITIES

BAND

1 credit

High School Band is available to students who have developed some proficiency in the use of a band instrument. Students will develop proficiency in the skills necessary for band and ensemble participation. The band will be performing at home sporting events in the fall and winter.

Band members will be encouraged to participate in the IHSA solo and ensemble contests held in the spring.

CHORUS

1 credit

Skills are taught through various musical works as they are prepared for performances. Students participate at major concerts and go on field trips to area civic organizations and nursing homes. Students will develop skills in both written and aural interval recognition, sight read a simple melody, describe the difference in styles of the music used in choir, and have a working knowledge of the common musical terms found in the music performed by chorus.

MUSIC APPRECIATION

1 credit

This is a non-performance class. Students do not have to have formal musical background or training. The course focuses on all or part of the following topics: fundamentals of music, music technology, music in history, music in movies, opera, symphonic music, ballet, jazz, and the evolution of popular music.

ART 1

1 credit

Art 1 will be a review of the elements of design and an introduction to the principles of design. A variety of media will be used including paint, clay, ink, markers and pencil. Both two and three-dimensional projects will be investigated. Students will be given an introduction to American Artists.

ART 2

1 credit

Pre-requisite: "C" avg. in Art 1 and/or permission of teacher

Art 2 will re-enforce the elements and principles of design. Students will complete projects using more advanced techniques and develop skills using clay, fibers, pencil, paint, plaster, and wood. Various Artists' styles and techniques will be examined.

3-DIMENSIONAL ART

Pre-requisite: Completion of Art 1 with the minimum of a "C" average

½ credit

This course includes the study of three-dimensional items in the areas of sculpture, ceramics, weaving and fibers.

PAINTING

½ credit

Painting is an introduction to watercolor, acrylic and mixed painting media. A background on materials and equipment will be taught. Students will receive hands on experience in developing skills in basic painting techniques.

ART 3

1 credit

Pre-requisite: "B" avg. in Art 2 and permission of teacher

The curriculum will be developed around each individual student. It will include advanced work in sculpture, painting, commercial design, and mixed media.

VISUAL ARTS STUDIO

1 credit

Studio work will teach students to develop basic visual arts skills and review the elements of art and the principles of design.

HEALTH

PHYSICAL
EDUCATION

DRIVERS
EDUCATION

HEALTH EDUCATION**½ credit**

A one-semester course in health education is required of all freshmen as mandated by the Illinois State Board of Education.

The course will include such areas as: prevention of disease, including aids and other STD's, consumer health, disaster preparedness, mental health, alcohol, smoking, and drug abuse, personal hygiene and other areas pertaining to the study of health.

PHYSICAL EDUCATION**1 credit**

Participation in Physical Education is mandated by the Illinois State Board of Education.

Physical Education consists of a curriculum designed to give each student individual challenges in a variety of carry over activities which include bowling, badminton, weights, golf, physical fitness, and archery. Group activities, which help students to identify with the team concepts, include: flag football, volleyball, soccer, speedball, softball, whiffle ball, hockey, and basketball. Skill improvement and written interpretation tests are required in each of these areas. Eleventh and twelfth graders may be excused from Physical Education as per board policy #725.

DRIVER EDUCATION**½ credit**

The curriculum in Drivers Education includes a course dealing with the contents of Chapters 11, 12, 13, 15, and 16 of "The Illinois Vehicle Code" insofar as they pertain to the operation of motor vehicles. The course of instruction required each student at the high school level shall consist of a minimum of 30 clock hours of classroom instruction. The school district also provides an approved course in practice driving consisting of a minimum of six clock hours of individual behind-the-wheel instruction and six clock hours of observation as determined by the State Board of Education.

VOCATIONAL COURSES

BUSINESS

ACCOUNTING 1

1 credit

Pre-requisite: Junior or Senior

Accounting 1 is a skill level course that is of value to all students pursuing a strong background in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying and maintaining numerical data involve in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. Accounting computer applications should be integrated throughout the course where applicable. In addition to stressing basic fundamentals and terminology of accounting, instruction should provide initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field. Processing employee benefits may also be included. Practice sets with business papers may be used to emphasize actual business records management.

KEYBOARDING AND FORMATTING

½ credit

This course is designed to develop basic skills in touch keyboarding techniques for entering alphabetic, numeric, and symbol information found on computers and terminals. Students will learn to edit and format text and paragraphs, change fonts, work with headers and footers, cut and paste text, create and use tab keys, create labels and work with multiple windows. Students will format documents such as letters, envelopes, memorandums, reports, and tables for personal, educational, and business uses. During the second half of the course, major emphasis is placed on formatting documents, improving proofreading skills, and increasing speed and accuracy.

COMPUTER APPLICATIONS

½ credit

Pre-requisite: 1 semester of Keyboarding

This is a course that prepares students to use the computer to apply problem-solving techniques in conjunction with an appropriate software package. Students will learn word processing, formatting and techniques, spreadsheet applications, database setup, and graphics.

INFORMATION PROCESSING I

1 credit

Pre-requisites: 1 semester of Keyboarding and Formatting and 1 semester of Computer Applications)

This course is a skill-level course 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, 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. 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. **(This course could be used for dual credit in the areas of Word Processing and Excel if the student is a junior or senior.)**

INFORMATION PROCESSING II:

1 credit

Pre-requisites: 1 semester of Keyboarding and Formatting and 1 semester of Computer Applications

Students will create and update documents using word processing and desktop publishing programs and put together slide shows, speaker notes and handouts using presentation software. Students will revise data in a stored database and use queries to create customized reports. Students will edit and utilize calculation functions in spreadsheets, integrate graphics, spreadsheets, tables, text and data into documents and reports, and create graphs, and charts from spreadsheets. Students will learn to conduct research on the internet and/or intranet. Students will apply proper grammar, punctuation, spelling, and proofreading practices to documents and reports. Accuracy will be emphasized. Workplace skills as well as communication skills will be taught and integrated throughout this course. **(This course could be used for dual credit in the areas of Access and PowerPoint if the student is a junior or senior.)**

Microsoft Office Specialist Certification Program—Students may receive a Microsoft Office Specialist Certificate upon successful completion of the courses offered in Information Processing I and Information Processing II and passing the appropriate exam(s) offered by Microsoft.

ORIENTATION TO BUSINESS AND TECHNOLOGY CONCEPTS **1 credit**

In this course suggested area of study include and orientation to business, marketing, and management concepts. Business communications and business computations are integrated throughout the course.

DESKTOP PUBLISHING **½ credit**

Pre-requisite: 1 semester of Keyboarding

This course introduces the student to the concepts and language of desktop publishing. The student will become familiar with the terminology of desktop publishing as well as gaining hands-on experience through the creation of brochures, forms, newsletters, proposals, and announcements.

YOUTH APPRENTICESHIP **1 credit**

Pre-requisite: 1) Must have a 2.33 (C+) cumulative average

2) No suspensions during the previous year or during the current year

3) Students must not have been on Non-Credit Status in the previous school year

4) Principal has the right to remove or add students at his discretion.

This course is offered to seniors who wish to investigate a career in which they are interested. This will be an unpaid work experience. Interviews will be required.

INDUSTRIAL TECHNOLOGY

PRODUCTION TECHNOLOGY

½ credit

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 will be exposed to site preparation, foundations, building structures, installing utilities, and finishing and servicing structures.

TRANSPORTATION TECHNOLOGY

½ credit

A course designed to foster awareness and understanding of the various transportation customs that make up our mobile society. Through laboratory activities the student will be 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.

COMMUNICATION TECHNOLOGY

½ credit

A course designed to foster an awareness and understanding of the technologies used to communicate in our modern society. Students will gain experience in the areas of design and drafting, radio and television broadcasting, computers in communication, photography, graphic arts, and telecommunications.

ENERGY UTILIZATION

½ credit

A course designed to foster an awareness and understanding of how we use energy in our industrial technological society. Areas of study will include conversion of energy, electrical fundamentals, solar energy resources, alternate energy resources such as wind, water, geothermal, fossil fuels, nuclear power, energy conservation, and computer uses in energy technology. Students will use laboratory experiences to become familiar with current energy technologies.

MANUFACTURING TECHNOLOGY I

½ credit

This course offers a planned sequence of learning experiences that provide students with the opportunities to develop competencies needed for employment in a variety of manufacturing-related occupations. The nature of employment opportunities within the region will influence the content of this course. Course content emphasizes competencies common to many occupations such as applying safety practices, selecting materials, performing bench work operations, performing precision measurement, performing layouts, performing housekeeping and record keeping activities and operating a variety of tools used for separating, forming and combining materials.

MANUFACTURING TECHNOLOGY II

½ credit

Pre-requisite: Manufacturing Technology I

This second training level course should offer experiences that expand upon competencies achieved during Manufacturing Technology I. This course will begin to offer students the opportunity to specialize in specific areas of manufacturing such as machine tool set-up and operation, welding, quality control, and automated machine set-up and operation. Course content includes the following areas: metallurgy and heat treatment of metal, advanced machine set-up and operation, numerical control machining, and maintenance and repair of machinery.

CONSTRUCTION TRADES 1

2 credits

Pre-requisite: Junior standing

This course provides experiences related to the erection, installation and maintenance of residential buildings and related fixtures. Planned learning activities will allow students to become knowledgeable of fundamental principles and methods and to develop technical skills related to masonry, carpentry, and finish work. Instruction should include 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.

CONSTRUCTION TRADES 2

2 credits

Pre-requisite: Construction 1

This course provides learning experiences related to the erection, installation, maintenance and repair of building structures and related utilities. Planned learning activities should emphasize the development of more advanced knowledge and skills than those provided in Construction 1. Student technical skill experiences

should 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 fireplace, 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.

AUTO MECHANICS 1

2 credits

Pre-requisite: Junior

This course provides experiences related to maintenance, repair, and servicing of a variety of transportation and maintenance equipment. Planned activities will allow students to become knowledgeable of fundamental principles and methods and to develop technical skills related to auto mechanics, diesel mechanics, motorboat mechanics, and gasoline engine/mower repair. Instruction should include safety principles and practices, combustion engine principles, transportation vehicles as well as maintenance equipment such as lawn mowers, chainsaws, and rotary tillers. **This course is offered at Robinson High School.**

AUTO MECHANICS 2

2 credits

Pre-requisite: Auto Mechanics I

This course provides learning experiences related to maintenance, repair and servicing of a variety of transportation and maintenance equipment. Planned learning activities should emphasize the development of more advanced knowledge and skill than those provided in Transportation 1. Student technical skill experiences should include instruction and activities in safety principles and practices as well as continued development of skills associated with aircraft mechanics, auto mechanics, diesel mechanics, motor boat mechanics, and gasoline engine mower repair. All learning experiences are designed to allow the student to acquire job-entry skills and knowledge. **This course is offered at Robinson High School.**

FAMILY AND CONSUMER SCIENCES

ORIENTATION TO HOME ECONOMICS

1 credit

This course is the suggested first course for all Family and Consumer Science programs. It is designed to present basic subject matter in the following areas: clothing and textiles, resources management, foods and nutrition, housing, furnishings and equipment, human development, interpersonal and family relationships; and an introduction to the world of work. These areas are then subdivided into content topics. Learning experiences are designed to assist students in understanding themselves; their roles in today's society and the nature of family and consumer related careers. Emphasis will be placed on the application of job-related occupations. The class will use individual and group projects, daily work, tests, as well as clothing construction and foods laboratory experiences.

FOODS AND NUTRITION 1

½ credit

Pre-requisite: Sophomore

This 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 duty areas: promoting food service and preparation management using the decision-making process, meeting basic need by applying nutrition concepts, meeting health and safety needs in planning, preparing and serving food, promoting hospitality in food practices, and analyzing individual and family nutritional needs in relation to change. Information related to careers in foods and nutrition is incorporated throughout the course.

CHILD DEVELOPMENT

½ credit

Pre-requisite: Sophomore

This course emphasizes learning experiences which help students gain knowledge and understanding of the intellectual, physical, social and emotional development of children from conception through adolescence. The course content should center around the following duty areas: managing and organizing child development by applying decision-making and goal-setting skills, promoting child development by applying physical, social, intellectual, and emotional principles, practicing health and safety standards for children, providing experiences which encourage children to maximize resources, encouraging human relations skills in children, and evaluating family and career changes in relation to impact on children. Information related to careers in childcare is incorporated throughout the course.

ADULT LIVING

½ credit

Pre-requisite: Sophomore

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, which will assist individuals responding to situations in terms of their identified values and goals. The course content includes the following duty areas: developing short and long-range plans, demonstrating goal-setting and decision-making skills, evaluating and adapting basic needs to assume roles and responsibilities, recognizing and following health practices that assist in coping, selecting and using resources to enhance individual growth and development, developing effective relationships to promote communication with others, evaluating family and career changes as to the impact on individuals. Various resources to assist with life problems are explored.

LIVING ENVIRONMENTS

½ credit

Pre-requisite: Sophomore

Learning experiences are designed to provide students with the 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 tastes, psychological effects, aesthetic values, safety, and sanitation and energy conservation. The course content includes the following duty areas: locating and managing housing using goal-setting and decision-making skills, evaluating living environments, ensuring health and safety, selecting appropriate resources in creating living environments, determining the impact of the individual and/or group on choices relating to changing family/individual and career patterns. Emphasis will be placed on the application of basic management principles as they relate to the environment.

PARENTING**½ credit****Pre-requisite: Sophomore**

This course is designed to help students think through the responsibilities, satisfactions, and stresses of parenthood. Many types of parenting situations are examined. Stress prevention and management and the work of community agencies that help parents deal with various types of parenting crises are emphasized. The course content includes the following duty areas: managing and organizing parenting by applying decision-making and goal-setting skills, applying the basic principles of the parenting process, practicing health and safety standard as related to parenting, providing experiences which encourage parents and children to maximize resources, encouraging human relations skills in children/adolescents, and evaluating impact on parenting of family and career changes. Special attention is given to the needs of teenage parents and to the importance of readiness for parenthood.

RESOURCES MANAGEMENT**½ credit****Pre-requisite: Junior**

This course meets the requirements for consumer education instruction as required by the Illinois School Code (section 27-12.1) and is required of all students, unless they have completed 1 credit of Intro to Business or successfully passed the Illinois Consumer Education Proficiency Test.

Learning experiences focus on the understanding and skills needed to make decisions about the use of resources and prevention strategies, which contribute, to an improved quality of life. The course content includes the following duty areas: utilizing resources and consumer information by applying goal-setting and decision-making skills, evaluating use of resources to meet social, physical, and psychological needs, maintaining health standards by applying safety information, applying consumer right and responsibilities in the marketplace, and analyzing resource/consumer management skills necessary for present and future decisions.

FOOD SERVICE OCCUPATIONS 1**1 credit****Pre-requisite: Orientation to Home Economics or teacher approval & Senior**

This course is designed to provide students interested in a career in food service with the information and practical experiences needed for the development of food service job-related competencies. The students receive laboratory experiences using commercial food service equipment, preparing food in quantity and serving food, safety and sanitation are emphasized. The course provides students with the necessary information and experiences to prepare them for the Department of Public Health Sanitation examination. Training experiences involve equipment and facilities that simulate those found in business and industry.

CHILD AND DAY CARE SERVICES 1**2 credits****Pre-requisite: Junior; Student must have an official Criminal Background Check on file at ROE**

This course is designed to provide students interested in a career in child and day-care operations with information and practical experiences needed for the development of job-related competencies. Students will be provided with laboratory experiences either in a school-based or extended campus facility. Students will be expected to develop appropriate skills in program development and in assisting with children's and/or adult activities. Classroom study is concerned with the philosophy and management of care centers and the state and local regulations governing care-giving operations. The main learning experiences will involve actual work with children/adults in situations that simulate those found in business and industry, as well as preparation for that activity.

This course is offered at Robinson High School.

CHILD AND DAY CARE SERVICES 2**2 credits****Pre-requisite: Child and Day Care Services 1; Student must have an official Criminal Background Check on file at ROE**

This course continues the learning begun in Child and Day care Service 1. The emphasis, however, is more on the administration of the care facility. Caring for infant and special needs children and/or older adults is included. Emphasis is placed on career opportunities, communication skills, human relations, and the service needs of clients in the occupational area. The major learning experiences will involve actual work with children and/or adults in facilities that simulate those found in industry, and discussion of the learning and problems that arise from that activity.

This course is offered at Robinson High School.

HEALTH OCCUPATIONS

HEALTH OCCUPATIONS 1

2 credits

Pre-requisite: Junior

This course provides planned learning experiences and activities designed to provide sound basic instruction and actual clinical experience in various health occupations and institutions. Students will be able to develop salable skills, which upon high school graduation will seek employment in a health-related occupation. It will also prepare students who wish to further their education in nursing, physical therapy, radiation therapy, occupational therapy, respiratory therapy, and medical technology. Medical terminology, anatomy, physiology, public health, patient care, and visitations to various health facilities are included. The Illinois Department of Public Health will also certify in cardio-pulmonary resuscitation and as a Nurse Assistant each student. **This course is offered in conjunction with Twin Rivers CTE and Lincoln Trail College.**

HEALTH OCCUPATIONS 2

2 credits

Pre-requisite: "C" in Health Occupations 1

This course provides learning experience and activities with an in-depth perspective of the clinical rotations with emphasis on selective career preparation following high school. Additional study in careers, fundamentals of patient care, obstetrics, pediatrics, geriatrics, and emergence first aid are included. The Illinois Department of Public Health will certify in cardio-pulmonary resuscitation and as a Nurse Assistant each student. **This course is offered in conjunction with Twin Rivers CTE and Lincoln Trail College.**

Dual Credit

Illinois Eastern Community Colleges dual credit courses are college-level courses taught in high schools or at Lincoln Trail College. Dual credit courses are provided to eligible high school juniors and seniors and taught by qualified instructors using the college's required textbooks, syllabi, curricula, and courses. When students successfully complete a dual-credit course, they can simultaneously receive both high school and college credit. **Currently, the cost of tuition is waived for dual credit students; however the student is responsible for textbook purchases.**

Eligibility:

- Junior or Senior
- ACT **PLAN** will be the primary assessment for high school dual credit students. If a student does not meet the required PLAN scores, student may take the **COMPASS** or **ASSET** test at Lincoln Trail College. Student must contact the college to arrange for additional testing prior to class enrollment.

Dual Credit Courses Currently Offered at PHS:

Information Processing I and II

Biology III

Dual Credit Courses Currently Offered at LTC:

Calculus and Analytic Geometry I and II **2 credits**
(MTH 1171, MTH 1172) A first course in calculus and analytic geometry. Topics include: basic techniques of differentiation and integration with applications including curve sketching, anti differentiation, the Riemann integral, the fundamental theorem of calculus, transcendental functions and applications of the definite integral. Technology will be used throughout the course.

Composition I **1 credit**
(ENG 1101) An introductory course in composition and rhetoric emphasizing expository prose. Major focus is on organization, paragraph structure, and elimination of mechanical errors. Recommended: Students have keyboarding and computer skills.

Composition and Analysis **1 credit**
(ENG 1121) Provides further training and practice in the comprehension and expression of written English. It focuses on organization, logic, and correct research techniques and format, including parenthetical noting and bibliographic citations. It also includes an introduction to one genre of literature and the writing of a critical analysis of a piece of literature. **PREREQUISITE:** Composition I. Recommended: Students have keyboarding and computer skills.

General Psychology **1 credit**
(PSY 1101) A survey of the study of human and animal behavior with emphasis on the scientific nature of contemporary psychological investigation. Topics may include the biology of behaviors, sensation, motivation, emotion, life-span development of behavior, personality, and abnormal behavior and its therapies, social behavior, and individual differences.

Principles of Sociology **1 credit**
(SOC 2101) This course is designed to introduce students to the study of social relations, institutions and cultural diversity. It includes a systematic coverage of basic concepts and principles, terminology, and elements of important social institutions.

***Alternative courses at LTC may be taken as dual credit but must be approved by the Principal and Guidance Counselor.**

***Classes are subject to change and may not be available as dual credit every semester.**

