

# EAST PEORIA COMMUNITY HIGH SCHOOL

## *2012-2013 COURSE CATALOG*

### ART DEPARTMENT

#### **Introduction to Art**

Level: Academic 9, 10, 11, 12

Length of course: One semester

Department: Art

Pre-requisite: None

Course description: A comprehensive approach to varied art mediums for the beginning student. Drawing in one and two point perspective; painting in tempera, learning color theory and elements of design. This course is designed for the student who has little formal training and does not need to have a great deal of talent.

#### **Drawing I**

Level: Academic 10, 11, 12

Length of course: One semester

Department: Art

Pre-requisite: Introduction to Art

Course description: This course is designed for those students with a genuine interest in art. It is expected that only those students who wish to further their development in the drawing area will take this course. A wider variety of materials, drawing techniques and compositional styles are explored.

#### **Painting I**

Level: Academic 10, 11, 12

Length of course: One semester

Department: Art

Pre-requisite: Introduction to Art

Course description: This course is designed for those students with a genuine interest in art. It is expected that only those students who wish to further their development in painting areas will take this course. A wide variety of painting materials and compositional styles are explored.

#### **Independent Studio Art**

Level: Academic 11, 12

Length of course: One semester

Department: Art

Pre-requisite: Drawing I & Painting I or permission of instructor

Course description: Students who have successfully completed the sequence of Intro to Art, Drawing I and Painting I are eligible for this course. An "A" in Drawing I and Painting I or special permission from the instructor is needed for admission. This is a course for the motivated art student who chooses his own projects and works at his own speed under supervision.

#### **Introduction to Mixed Media**

Level: Academic 9, 10, 11, 12.

Length of course: One semester

Department: Art

Pre-requisite: None

Course description: A one semester introductory course which includes instruction in design elements, tools, equipment, and procedures in Crafts. The history and cultural aspects of the various crafts are examined in each of the instructional units. Areas covered include the following: printmaking, sculpture, stencils, paper mache, clay, and fiber arts.

### **Ceramics I**

Level: Academic 10, 11, 12

Length of course: One Semester

Department: Art

Pre-requisite: Mixed Media

Course description: Ceramics is a one semester introductory course which involves the development of clay hand building skills in pinch, coil, and slab processes. In each unit functional and sculptural forms are explored, as well as a variety of glazing and decorating techniques. The firing process and kiln information are learned as well as ceramic terminology. Critiques of in progress work and fired pieces help students to understand design, form, construction, and glazing problems. Pottery wheel work is introduced to students on an individual basis.

### **Advanced Ceramics**

Level: Academic 10, 11, 12

Length of course: One semester

Department: Art

Pre-requisite: Ceramics 1

Course description: This one semester course is designed to allow students to expand in processes, techniques, and ideas introduced in Ceramics 1. Students will complete three (3) complex design assignments each nine weeks grading period. The assignments will include the study of one or more ceramic artists, past and present, who employ ideas or techniques related to the particular area of study.

### **Independent Studio Ceramics**

Level: Academic 10, 11, 12

Length of course: One semester

Department: Art

Pre-requisite: Advance Ceramics

Course description: A one semester course designed to allow students who have successfully completed Advanced Ceramics to further explore the ceramic media and techniques. Students must have shown exceptional skill and interest in clay work during Ceramics I and Advanced Ceramics. A teacher recommendation is necessary for students to register for Independent Study Ceramics. The student will develop a minimum of three complex clay forms each nine weeks grading period based on student research of ceramic artists, methods, and techniques.

### **Computer Graphics/Digital Art**

Grade Levels: 10, 11, 12

Academic or Enriched Level: Academic

Length of Course: One Semester

Pre-Requisites: Introduction to Art or Senior

Course Description: The course explores the use of technology in art. Students will learn to enhance and expand their creative process using digital tools. Through the use of computer programs such as Adobe Illustrator, Corel Draw, Adobe Photoshop, Corel Painter, Corel Paint Shop Pro students will learn how to use technology to produce graphics, digital photography, as well as digital drawings and paintings.

Rational:

The course will provide an opportunity for students to enhance and expand their creative process using digital tools. The new fine arts facility will include a computer area for use by the Fine Arts students. The course would combine the graphics portion of the current Printmaking and Graphics course with new technologies in the art field.

**Printmaking**

Grade Levels: 9, 10, 11, 12

Academic or Enriched Level: Academic

Length of Course: One semester

Pre-Requisites: None

Course Description: A variety of printmaking techniques will be explored to introduce students to printing processes. Areas of study will include silkscreen, relief, intaglio, monotypes, and calligraphy.

Rational:

Printmaking would combine the silkscreen unit of Silkscreen & Sculpture with the printmaking unit from Printmaking & Graphics. This would make space in the schedule to offer the dual credit course Art 110 and a computer art class.

**Sculpture**

Grade Levels: 9, 10, 11, 12

Academic or Enriched Level: Academic

Length of Course: One semester

Pre-Requisites: None

Course Description: A variety of three-dimensional media will be explored to introduce students to sculptural techniques such as assemblages, modeling, carving, additive, casting, and mobile. Areas of study are designed to promote an awareness of three-dimensional design, concepts, and processes. Each unit will focus on the work of well known artists to further student awareness of the fine arts.

## **BUSINESS DEPARTMENT**

### **Introduction to Business 1-2**

Level: Academic, 9, 10, 11, 12

Length of course: One year

Department: Business

Pre-requisite: None

Course Description: Students will discover how the business world operates. What it takes to start a business, producing and marketing goods and services, managing people, careers, economic phases such as recessions and depressions, the stock market, and computers in business are a few of the topics covered. In addition, students will use the Internet almost daily for accessing and reporting on current business news and for incorporating Yahoo Finance for stock market investment games and practices.

### **Pre-Accounting**

Level: Academic 10, 11, 12

Length of Course: One year

Department: Business

Pre-requisite: None

Course Description: Math for Business/Pre-Accounting is intended to prepare students for a variety of entry-level jobs in office and sales occupations, in preparation for the accounting class.

This course is designed to: Improve students' abilities to perform and apply basic math processes quickly and accurately. Increase students' abilities to read, speak, spell, and recognize the meanings of common business and record keeping terms and to apply their communication skills to realistic business situations. Increase students' abilities to use calculators to solve record keeping problems.

### **Accounting 1-2**

Level: Academic 10, 11, 12

Length of Course: One year

Department: Business

Pre-requisite: None

Course Description: Accounting provides complete coverage of three types of businesses – proprietorship, partnership, and corporation. Each type of business is presented in a complete accounting cycle covering analyzing transactions, journalizing, posting, petty cash, financial statements, and adjusting and closing entries. Accounting concepts are introduced using a modern business with owners that students can relate to in each cycle. In Cycle 1, students study Encore Music, a business that provides music lessons. Cycle 2 features Omni Import, a retail merchandising business that purchases and sells imported gift items. In Cycle 3, Winning Edge, Inc. sells sports equipment to school districts, colleges, and businesses and is organized as a corporation.

### **Desktop Publishing and Photoshop**

Level: Academic 10,11, 12

Length of course: One semester

Department: Business

Pre-requisite: Computer Keyboarding/Computer Applications or High School 101

Course Description: In Desktop Publishing and Photoshop you will be introduced to Adobe CS3 software (Indesign, Photoshop, and Illustrator). This software is quickly becoming the standard in which many companies use to create publications (both print and digital). Throughout the course you will learn how to work with frames, text, color, styles, graphics and more. The elements of design and principles of design are highly emphasized, to enable you to create professional quality print documents. This course will enable you to create a document (brochure, book, flyer, magazine cover, etc.) ready for professional printing and publication.

### **Advanced Desktop Publishing and Photoshop**

Level: Academic 10,11,12

Length of course: One semester

Department: Business

Pre-requisite: Desktop Publishing and Photoshop

Course Description: Students in Advanced Desktop Publishing and Photoshop will go through the process of making professional print documents for the school and community. Students will learn how to interview a client, make modifications according to the client's needs and wants, and produce a final document that will be used in the school or community. This course goes in depth into Adobe Photoshop and InDesign, to give the students the tools needed to create professional documents. Documents created may include company logos, play bills, flyers, posters, sports booklets, brochures, and many more. Documents vary from semester to semester based on the clients who need print documents created.

### **Computer Programming**

Level: Academic 10,11,12

Length of Course: One semester

Department: Business

Pre-requisite: Algebra 1-2 (with a C or better)

Course Description: Basic programming concepts and logic are covered in this course. Students learn to build their own special-purpose Window's applications utilizing a graphical user interface (GUI). They are taught to write programs in a 3-step process: 1) Design the application and clarify the specifications; 2) Set the properties and controls for the form and 3) Write the code that creates the actions when the application is run. All major keywords and concepts for Visual Basic are presented.

### **Advanced Academic Computer Programming**

Level: Academic 10, 11, 12

Length of Course: One semester

Department: business

Pre-requisite: Computer Programming (with a C or better)

Course Description: This course is designed to provide the students who are interested in the programming field an opportunity to further broaden their knowledge and skills. The format of the class will be the same as Computer Programming, with both theory and hands-on experiences. The students will be able to design and write codes for more complex GUI interfaces that commonly found in the business environment.

### **Multi Media Technology**

Level: Academic 10, 11, 12

Length of Course: One semester

Department: Business

Pre-requisite: Computerized Keyboarding/Computer Applications

Course Description: With the Windows Movie Maker program, students will create and edit movies using videos, photos, graphics, animation, music, and text.

In addition, students will become knowledgeable buyers of computer desktops, laptops and printers. By shopping online at websites such as BestBuy.com, HP.com, Dell.com, and Walmart.com students will learn the components of computers and apply that knowledge by actually building computers online ready for purchase.

### **Webpage Design/On-Line Applications**

Level: Academic 10, 11, 12

Length of Course: One semester

Department: Business

Pre-requisite: Computerized Keyboarding/Computer Applications

Course Description: The students learn to efficiently navigate the Internet using Worldwide Web, browsers and various search engines. The students learn to do efficient information searches, correspond with e-mail, and format web pages using Hyper Text Markup Language (HTML). Projects based on doing efficient information research will make up the major portion of the course. Students will have to evaluate and cite information from the Internet in the standard report formatting styles. The history and development of the Internet will also be covered briefly.

### **Sports and Entertainment Marketing**

Level: Academic 10, 11, 12

Length of Course: 1 Semester

Department: Business

Pre-requisite: None

Course Description: To develop a fundamental knowledge of marketing that relates sports and entertainment industries and career possibilities available in the industries. Students will develop the necessary entry skills for a career in the sports and entertainment fields. Sports & Entertainment Marketing is a course designed to teach marketing concepts through (applied to) the sports and entertainment industry. Marketing is a tool that has allowed the United States economy to become highly successful internationally. The basic functions of marketing-product/service management, distribution, selling, marketing information, management, financing, pricing, and promotion-will be covered. In addition to marketing overview, this course is designed to show how advertising, sales and event marketing and communications are important. Major areas that will be covered by the teacher and guest speakers are:

Professions & Amateur Sports	Marketing Products & Services through Sports
Public Images	Recreation Marketing
Legal Issues for Sports & Entertainment Theme Parks	
TV	Movie Industries
Radio	Concert & Arena Productions
Restaurants & Hotel Industries	

### **Medical Terminology, Dual Credit HLTH 121 (2hr credit ICC)**

Level: Enriched 11, 12

Credit: .500

Length of course: 1 semester

Department: Extended Campus Program

Pre-requisite: Semester grade of C in Freshman and Sophomore English classes.

Course Description:

This course is a study of terminology used in all areas of medical, health care and paramedical specialties. Examples of these career fields are medicine, dentistry, nursing, nurse assisting, pharmacology, paramedics, biology, dental hygienist or assisting x-ray technology, respiratory therapy, medical office assistant, surgical technicians and phlebotomy. This course is valuable to students planning careers in the insurance and law fields. Emphasis is placed on work building techniques and understanding of typical medical reports. This course is required for many of the health care specialties and transfers as an elective course to most colleges. Two college credits are earned in this course.

## **DRIVERS EDUCATION**

### **DRIVERS EDUCATION-CLASSROOM**

Level: Academic

Length of course: Nine weeks

Department: Driver Education

Pre-requisite: Age requirement by state & Passing grades in academic subjects

Course description: Driver education is one of the state mandated courses, in that all students must take the 30 hours classroom phase. The Behind-the-Wheel phase is optional.

House Bill 418 went into effect on January 1, 1994 and will impact all students wanting to enroll in the classroom or Behind-the-Wheel driver education. The law requires that each student attending any public or non-public high school must receive passing grades in at least 8-courses during the previous two semesters, prior to enrolling in a driver education course. A student not meeting this requirement, will not be permitted to enroll.

### **DRIVERS EDUCATION-BEHIND THE WHEEL**

Level: Academic

Length of course:

Department: Driver Education

Pre-requisite: Age requirement by state

## ENGLISH DEPARTMENT

### **Academic English 1 - 2**

Level: Academic 9

Length of Course: One year

Text: Writing & Grammar: Communication in Action (Gold Level) Prentice Hall 2004

Literature: Timeless Voices, Timeless Themes (Gold Level) Prentice Hall 2004

Prerequisite: None

Course Description: This course is a study of both composition and literature.

In addition, vocabulary study will be continuous throughout the course. Students are expected to display basic composition skills when completing various types of essays, such as autobiographical writing, persuasive writing, and expository writing. Emphasis will be on writing as a process: prewriting, drafting, revising, editing, proofreading, and publishing. Throughout this entire process, proper grammar usage, as well as correct spelling and increased vocabulary, will be the focus. The literature units will include 1) short stories, 2) poetry, including The Odyssey, 3) novels, and 4) drama, including Romeo and Juliet. The literature portions will also emphasize literary elements, comprehension skills, reading strategies, and vocabulary development.

### **Enriched English 1 - 2**

Level: Enriched 9

Length of Course: One year

Text: Writing & Grammar: Communication in Action (Gold Level) Prentice Hall 2004

Literature: Timeless Voices, Timeless Themes (Gold Level) Prentice Hall 2004

Prerequisite: appropriate test scores/required writing prompt

Course Description: This course is a study of both composition and literature.

In addition, vocabulary study will be continuous throughout the course. Students are expected to display above average composition skills when completing various types of essays, such as autobiographical writing, persuasive writing, and expository writing. Emphasis will be on writing as a process: prewriting, drafting, revising, editing, proofreading, and publishing. Coherence and organization will also be highlighted. In addition, proper grammar, mature sentence style, correct spelling, and increased vocabulary will be stressed. The literature units will include 1) short stories, 2) poetry, including The Odyssey, 3) novels, and 4) drama, including Romeo and Juliet. The literature portions will also emphasize literary elements, comprehension skills, reading strategies, and vocabulary development.

### **Academic English 3-4**

Level: Academic 1

Length of Course: One year

Text: Writing & Grammar: Communication in Action (Platinum Level) Prentice Hall 2004; Illinois Prentice Hall Literature Grade 10 Penguin Edition Prentice Hall 2007

Pre-requisite: English 1-2

This college preparatory course is a study of both composition and literature. In addition, vocabulary study will be continuous throughout the course. The goal of this class is to improve the reading, writing, listening, and speaking skills of the students. This course enhances writing skills and continues attention to comprehension skills. Emphasis will be on writing as a process: Prewriting, drafting, revising, editing, proofreading, and publishing. The writing assignments will include narration, description, and persuasion. Grammar focus will be on sentence parts, usage, agreement, and effective sentence writing. The literature units will include 1) short stories, 2) poetry, 3) novels, and 4) drama, including Julius Caesar.

### **Enriched English 3 - 4**

Level: Enriched 10

Length of Course: One year

Text: Writing & Grammar: Communication in Action (Platinum Level) Prentice Hall 2004 Illinois Prentice Hall Literature Grade 10 Penguin Edition Prentice Hall 2007

Prerequisite: English 1

Course Description: This college preparatory course is a study of both composition and literature. In addition, vocabulary study will be continuous throughout the course. Students are expected to display above average grammar, comprehension, and composition skills. Emphasis will be on writing as a process: prewriting, drafting, revising, editing, proofreading, and publishing. The writing assignments will include narration, description, and persuasion. In preparation for junior testing, persuasive writing will be highlighted. The importance of fluency, coherence, and cohesion will be stressed. Grammar focus will be on sentence parts, usage, agreement, and effective sentence writing. The literature units will include 1) short stories, 2) poetry, 3) novels, and 4) drama, including Julius Caesar.

### **Academic English 5-6**

Level: Academic 11

Length of Course: One year

Text: Writing & Grammar: Communication in Action (Ruby Level) Prentice Hall 2004

Literature: Timeless Voices, Timeless Themes: The American Experience, Prentice Hall 1999

Prerequisite: English 3 – 4

Course Description: This course provides the college preparatory student with a background in American Literature, including significant writers and themes. The required reading, vocabulary study, and writing will help the student to develop analytical and critical thinking skills. This course introduces the students to the process of writing a formal research paper while continuing persuasive writing in preparation for junior testing. Grammar focus will be on usage, agreement, and effective sentence writing. The literature units will include 1) short stories, 2) poetry, 3) novels, and 4) drama, including Our Town.

### **Enriched English 5-6**

Level: Enriched 11

Length of Course: One year

Text: Writing & Grammar: Communication in Action (Ruby Level) Prentice Hall 2004 Literature:

Timeless Voices, Timeless Themes: The American Experience Prentice Hall 1999

Prerequisite: English 3- 4

Course Description: This course provides the college preparatory student with a strong background in American literature, including significant writers, trends, and themes. Writing assignments encourage the students to develop their critical and analytical thinking skills. Students will continue study of vocabulary. This course also provides the student with a strong background in persuasive and literary research writing. Grammar focus will be on usage, agreement, and effective sentence writing. The literature units will include 1) short stories, 2) poetry, 3) novels, and 4) drama, including The Crucible. Students must successfully complete a research project in order to enroll in the dual credit Comp 110 and Comp 111.

### **Academic English 7-8**

Level: Academic 12

Length of Course: One year

Text: Writing & Grammar: Communication in Action (Diamond Level) Prentice Hall 2004

Prentice Hall Literature: The British Tradition Penguin Edition Prentice Hall 2007

Prerequisite: English 5 – 6

Course Description: This course provides the college preparatory student with a background in British Literature. The required reading, vocabulary study, and writing will help the student to develop analytical and critical thinking skills. Students will write a formal research paper on an approved topic. Grammar study will be a review of usage, agreement, and effective sentence writing. The literature units will include:

- 1) short stories,
- 2) poetry,
- 3) novels, and
- 4) drama, including Macbeth.
- 5) Several speeches on a variety of topics will also be presented in class.

## **Yearbook**

Level: Academic 11, 12

Length of Course: One Year

Pre-requisite: Successful completion of English 1 & 2, English 3 & 4 with a C or higher.

Course Description:

The yearbook class is a year long class in which students will be responsible for all aspects of the publication of the EPoCH. This class develops and enhances skills in copywriting, editing, interviewing, and making computerized layouts of the yearbook pages on the Yearbook Avenue website. Students who enroll in this course will be responsible for making goals for themselves (in regard to page and picture assignments), meeting all deadline and attending assigned school sponsored activities to take pictures. Assessment will be based on student writing, creating interesting and appealing layouts, and meeting all goals and deadlines.

## **Enriched English 7/Composition 110 (dual credit)**

Level: Enriched 12

Length of Course: One semester

Text: Axelrod & Cooper's Concise Guide to Writing Fourth Edition Bedford/St. Martin's 2006  
The Brief Penguin Handbook Pearson Longman 2003

Prerequisite: English 5-6/teacher recommendation required  
Appropriate grades in previous English courses  
Appropriate scores on compass test  
Completed research project utilizing MLA

**Composition 110** dual credit course – The students progress from writing expressive compositions (expressing the ideas of the writer) to writing referential compositions (explaining or analyzing the Subject matter for the reader) to writing persuasive compositions (persuading an audience), through critical reading, discussion, exercises, conferences, and revisions. The majority of the writing is referential. Included in the course will be various readings throughout the semester. Students enrolled in this course may receive three hours of college credit through Illinois Central College.

## **Enriched English 8/Composition 111 (dual credit)**

Level: Enriched 12

Length of Course: One semester

Text: Elements of Argument; A Text and Reader, Ninth Edition, Bedford/St. Martin's 2009  
The Brief Penguin Handbook (Pearson Longman 2003)

Prerequisite: Composition 10

Course Description: This is the second course in the writing sequence offered through Illinois Central College. In this course, students will progress from writing analysis and inquiring about issues to writing argumentative and persuasive compositions using research, through critical reading, discussion, exercises, and revision. The majority of the work is argumentative in purpose. The course has been designed to achieve an understanding of the relationship of language to logic, which should lead to the ability to analyze, criticize, and advocate ideas. Students enrolled in this course may receive three hours of college credit through Illinois Central College.

## **Enriched English 7–8**

Level: Enriched

Length of Course: One semester

Text:

Prerequisite: Enriched 5-6

This course provides the college preparatory student with a background in British Literature. It focuses on literature and language from the primitive Anglo-Saxon era to modern times. The literature units will include 1) short stories, 2) poetry, 3) novels, utilizing Literature Circles, and 4) drama, including Shakespeare's *The Tragedy of Macbeth*. The required readings, vocabulary study, and writing will help the student to develop analytical and critical thinking skills. Students will write a formal research paper on an approved topic. Grammar study will be a review of usage, agreement, and effective sentence writing and word choice. All writing, including formal writing assignments will utilize the "Six Traits of

Writing." Class discussion, group work, essays, cultural projects and hands-on activities, internet web quests, and application of literary techniques enhance the class curriculum.

## FAMILY AND CONSUMER SCIENCE

### **Foods and Nutrition 1**

Level: Academic 9, 10, 11, 12

Length of course: One semester

Department: Family and Consumer Science

Pre-requisite: None

Course description: This orientation level course includes basic classroom and laboratory experiences needed to develop knowledge and understanding of food principles and applied nutrition for people of all ages. This course centers on promoting food service and preparation. Subject areas covered include safety and sanitation, equipment, including microwave cookery, measurement, cooking terminology, table setting, manners, consumerism, and Family and Consumer Science careers. Foods prepared include quick breads, breakfasts, soups, sandwiches, salads, simple desserts, cookies, snacks, and casseroles.

### **Foods and Nutrition 2**

Level: Academic 10, 11, 12

Length of course: One semester

Department: Family and Consumer Science

Pre-requisite: Foods and Nutrition I

Course description: This course is a continuation of Foods and Nutrition I where students will build on the previous knowledge. Laboratory sessions are devoted to advanced techniques used in food preparation. Developing skills in preparing fruits, vegetables, yeast breads, soup, salad, cakes, frosting, pie, and candies are included. Meal planning techniques are utilized to prepare dinners. The study of equipment, food consumerism and Family and Consumer Science related careers are integrated throughout the semester.

### **Advanced Foods and Nutrition 3**

Level: Academic 10, 11, 12

Length of course: One semester

Department: Family and Consumer Science

Pre-requisite: Foods and Nutrition I & II

Course description: The course is designed to provide further opportunities for students interested in the food/nutrition field and to broaden their knowledge. This course is an introduction to preparation including the techniques and skills needed for preparing advanced foods. Subject areas covered include advanced food safety, sanitation, equipment, advanced nutrition, cake decoration, meat and poultry, pastries, yeast breads, cookies, candies and beverages. Students also take a further look at nutrition and its effect on Americans today.

### **Advanced Foods and Nutrition 4**

Level: Academic 11, 12

Length of course: One semester

Department: Family and Consumer Science

Pre-requisite: Foods and Nutrition 2 Advanced Foods 3

Course description: This course is designed to provide further opportunities for students interested in the food/nutrition field and to broaden the student's knowledge. This class includes the subject areas of soups, salads, pasta, sauces, herbs, and cultural cuisine. This course is an advanced study of foods and preparation methods, which builds upon knowledge and skills of previous foods classes. This class emphasizes the commercial kitchen and making foods from scratch.

### **Child Development**

Level: Academic 9, 10 or permission of instructor for 11, 12 students

Length of course: One semester

Department: Family & Consumer Science

Pre-requisite: None

Course description: In this orientation level course, the development of children from conception through school-age is studied. Emphasis is placed on increased understanding of children and the development of basic skills in relating to them. Students will observe infants, toddlers, and pre-school children. The

broad areas of emphasis include: prenatal development, physical development, social development, relationships, educational and mental development, emotional development, play-purposes, supervision, the special needs child, and child abuse.

### **Parenting**

Level: Academic 11, 12

Length of course: One semester

Department: Family and Consumer Science

Pre-requisite: None

Course description: Parenting is designed to promote family interactions which are enjoyable, supportive, encouraging, and rewarding. This class focuses on the many decisions related to parenthood. Students will study ways to enhance a child's physical, social, emotional, mental, and ethical development.

Subject areas include: myths of parenthood, kinds of families, human reproduction, pregnancy, childbirth, stages of development of the child from infancy through the teen-age years, discipline, stresses of parenthood, and crisis including child abuse and neglect, abduction, and death. Students will have the opportunity to participate in an infant simulation activity.

### **Human Growth and Development/Dual Credit**

Level: Enriched 11, 12

Length of Course: 1 Semester

Department: Family and Consumer Science

Pre-requisite: None

Course Description: (As taken from the ICC Handbook) This course is the study of social, emotional, physical, and intellectual aspects of child growth and development prenatally through preadolescence. Emphasis is placed on normal development of the young child, however, the student is also introduced to deviations from the norm and to implications for working with children in various developmental stage.

### **Human Relationships**

Level: Academic 11, 12

Length of course: One semester

Department: Family and Consumer Science

Pre-requisite: None

Course description: This course is designed to allow students the opportunity to explore all aspects of life: personal development, decisions affecting their future, lifestyle options and consequences, relationships with family and friends, marriage, parenting, balancing family and work, dealing with family crisis, and managing family life. Guest speakers from the community will present additional information on critical issues such as, abuse, alcoholism, and sexually transmitted diseases.

### **Creative Fashions 1**

Level: Academic 9, 10, 11, 12

Length of course: One semester

Department: Family and Consumer Science

Pre-requisite: None

Course description: This orientation level course provides basic classroom and laboratory experiences. The topics include self-esteem, wardrobe planning, buying and caring for clothes, grooming including hair styling and make-up, selection of textiles and notions, use and care of a sewing machine, use of a pattern and following directions, completions of four beginning level projects, hand sewing and mending. Projects include, pillows, drawstring bag and lounge pants. Some basic sewing equipment is provided. Fabric and notions must be purchased by the student. Fashion fieldtrips will be included in this course.

### **Creative Fashion 2**

Level: Academic 9, 10, 11, 12

Length of course: One semester

Department: Family and Consumer Science

Pre-requisite: Creative Fashion 1

Course description: This course is a continuation of Creative Fashions I where students will build on their previous knowledge. Students will review basic sewing skills, pattern selection and fabrics. New techniques will include cording, zipper application, gathers, darts, lining and interfacings. Projects include make-up bag, purse, and shirt. Equipment, supplies and fabrics are provided by the students. Career field trips and fabric store field trips will be included.

### **Creative Fashion 3**

Level: Academic 10, 11, 12

Length of course: One semester

Department: Family and Consumer Science

Pre-requisite: Creative Fashions 2

Course description: This course will increase the level of knowledge and skills of students as they construct, purchase, care for, and work with apparel and accessories. This course is a continuation of Creative Fashions II. Students will select projects that build on their individual skill levels.

Equipment, supplies, and fabrics are provided by the students.

### **Interior Design I**

Level: Academic 10, 11, 12

Length of course: One semester

Department: Family & Consumer Science

Pre-requisite: None

Course description: This course is designed to prepare students for their future as an interior designer, home owners or renters. It includes a study of housing trends and styles, buying a home, renting issues, and other housing alternatives. The course includes experiences learning the elements and principles of design, color and design, furniture styles, kitchen planning and room arrangement. The course also explores safety, security, maintenance, and remodeling. The student will be exposed to many careers associated with interior design in business and industry.

### **Fashion Merchandising 1**

Level: Academic 10, 11, 12

Length of course: One semester

Department: Family & Consumer Science

Pre-requisite: None.

Course description: This is a course for the student who is interested in careers in marketing and fashion merchandising. This course offers learning experiences and skills necessary for employment in a variety of fashion and apparel related occupations. Areas of study will include fashion business, design and display skills, planning merchandising experiences or a fashion business plan, style of dress, fashion and textile industry terminology, and planning and/or coordinating a fashion show. A number of business and fashion industry personnel will be guest speakers. Several field trips to business, industry, and a fashion merchandising college will be included. Sewing skills are not necessary to enroll in this class.

### **Vocational Child Care**

Level: Academic 11, 12

Length of course: One semester

Department: Family and Consumer Science

Pre-requisite: C in Child Development or Parenting and permission of instructor

Course description: This course is designed to provide students interested in a career in early childhood education (elementary education or child care facility) with information and practical experiences needed for the development of job related skills. Students will be provided laboratory experiences in working with preschool children either in a school-based and extended campus facility. Students will be expected to demonstrate appropriate skills in organizing and presenting a program of activities for children. The main learning experiences will involve actual work with children. Students will develop lesson plans which include story-time, puppet shows, arts and crafts activities, math and science concepts, social studies themes, music, and games.

**Introduction to Hospitality Management Enriched**

Level: Academic 11, 12, Dual credit HOS 100 (3 college credit hours, Illinois Central College)

Length of course: One semester

Department: Family and Consumer Science

Pre-requisite: C in Child Development or Parenting and permission of instructor

Course description: This course provides a survey of the travel and tourism industry, and gives an insight into each department in lodging and food service operations with a small emphasis on the recreation industry. It explores issues that hotel/motel managers face daily and highlights career opportunities. This class will participate in on-site tours of both hotels and restaurants and hear various professional guest speakers such as travel agents, catering managers, and convention center/tourism sales professionals. Students will also plan and host an elegant dinner for EPCHS staff.

## FOREIGN LANGUAGE DEPARTMENT

### **French 5-6 Enriched**

Course description: French 5-6 reviews former grammar concepts and introduces the future, conditional, and subjunctive. Students will read and comprehend French literature in the form of short stories and fables. Students will also read and discuss *Le Petit Prince*.

### **French 7-8 Enriched**

Course description: French 7-8 emphasizes the study of French civilization and culture. Students will read and discuss *Le Comte de Monte Cristo*.

### **Latin 1 & 2**

Level: Academic 9, 10, 11

Length of course: One year

Department: Foreign Language

Pre-requisite: none

Course description: Latin 1-2 emphasizes the building of vocabulary, especially those words with English derivatives, and the ability to read and write simple Latin. Emphasis also is placed on civilization and culture since we owe so much to the Romans. Latin abbreviations, phrases, mottos, and professional phrases used in English are also taught. The students complete a project each nine weeks over some aspect of Roman life, food, houses, or mythology. The final nine weeks includes a group project and presentation to the class.

### **Latin 3 & 4**

Level: Academic 10, 11, 12

Length of course: One year

Department: Foreign Language

Pre-requisite: Latin 1-2

Course description: Latin 3-4 (2<sup>nd</sup> year) continues the development of vocabulary, English derivatives and reading skills through the writings of various Roman authors and the mythology of Hercules and Peruses. Stress is placed on college level derivatives. The course also continues the further development of the knowledge of Roman history and culture, with an emphasis on early Rome and the Roman Republic.

**Latin 5-6 Enriched** (3<sup>rd</sup> yr.) involves the reading of original Latin works and the culmination of the development of grammatical skills learned in Latin I and II. Further concentration on vocabulary and derivatives is stressed, as are culture and civilization. The 1<sup>st</sup> semester concentrates on the Fall of the Roman Republic. The students study the writings of Cicero and the defeat of Antony and Cleopatra. The 2<sup>nd</sup> semester has a lighter theme, the everyday life of the Romans. Students learn about this through the study of Roman comedy. They also read about the destruction of Pompeii and the graffiti that was left behind. Group culture projects are done both semesters.

**Latin 7-8 Enriched** (4<sup>th</sup> yr.) is the culmination of everything the student has learned in the three previous years. Much emphasis is placed on college level derivatives. The first semester original Roman authors of the first century B.C. and A.D. are read with an emphasis on the history of the time and the development of the Roman Empire and the quest of Augustus to establish the Pax Romana or Roman Peace. The second semester is devoted to Vergil and the reading of the great Roman epic, the Aeneid. The final nine weeks includes to a group project based on the Aeneid.

### **Spanish 1 & 2**

Level: Academic 9, 10, 11

Length of course: One year

Department: Foreign Language

Pre-requisite: None

Course description:

The first year Spanish course involves four facets of language learning - reading, writing, speaking, and understanding. Hispanic culture, including the countries, life and holidays are introduced. This course is on a developing level with stress on conversational vocabulary, common nouns, action verbs, and adjectives.

**Spanish 3 & 4**

Level: Academic 10, 11, 12

Length of course: One year

Department: Foreign Language

Pre-requisite: Spanish 1-2

Course description: The four basic language skills - reading, writing, understanding (listening comprehension), and speaking - are further developed in this course. Students learn vocabulary related to their environment, supplementary (optional) novel reading, and Hispanic culture. Vocabulary will be employed in context. Grammar is stressed; students must learn verb tenses so they can express themselves in Spanish using correct grammatical form. Students will write paragraphs and reports in Spanish. Hispanic culture, including Hispanic history, geography, art, poetry and customs are studied throughout this course. The Hispanic influence in the United States is also discussed.

**Spanish 5 & 6 Enriched**

Length of course: One year

Department: Foreign Language

Pre-requisite: Spanish 3 & 4

Course description: The four basic language skills - reading, writing, understanding, and speaking - continue to be stressed. Students discuss a variety of subjects; expressing their own thoughts and feelings in Spanish. Grammar is stressed; advanced sentence structure is also stressed. Students will read a short novel and create a video based on a chapter from the book. Additional stories of a thematic nature will also be studied.

Spanish and Latin American culture play an important role in this class.

**Spanish 7 & 8 Enriched**

Length of course: One year

Department: Foreign Language

Pre-requisite: Spanish 5 & 6

Course description: The four basic language skills - reading, writing, understanding, and speaking - continue to be stressed. Most grammar points are reviewed from Spanish 1-2, 3-4, and 5-6, and Spanish culture continues to be stressed. Students discuss a variety of current topics and work independently on group projects. One or two novels are read in addition to several smaller works by famous Latin America authors and legends from Latin America. Vocabulary is presented to support all these different pieces of literature. Realia and real-life situations are used to further practical understanding and usage of the language.

## **INDUSTRIAL TECHNOLOGY DEPARTMENT**

### **Survey of Industrial Technologies**

Level: Academic 9, 10, 11

Length of course: One year

Department: Industrial Technology

Pre-requisite: None

Course description: 1<sup>st</sup> semester-This class includes 6 weeks of Drafting and board sketching fundamentals; 6 weeks of Wood Technology, products, material identification, hand and power tools, planning and work procedures; 6 weeks of Electrical and Communications procedures, safety and writing. 2<sup>nd</sup> semester-This class includes Drafting fundamentals of classroom projects; 6 weeks of Metal work and manufacturing and 6 weeks of Transportation and power. Basic engine parts and processes, hand tools, tune up of one cylinder and automotive maintenance is covered.

This course includes nine weeks; COMMUNICATION: units on drafting, graphic arts, telecommunications, and computers. ENERGY; nine weeks of energy conversion and transmission, fossil fuels and energy conservation, solar power, and alternative energy systems; POWER: nine weeks of land, water, air, space, and material transportation, basic engine parts and processes, hand tools, tune-up of one cylinder internal combustion engines, model rocketry; and PRODUCTION: nine weeks of mass production with wood and metal products, hand and power tools, planning and work procedures. Each unit will involve students in a wide range of activities and experiences. All aspects of lab safety are taught and applied as the students work. Exercises include basic fundamentals of technology that the student will meet in practical everyday life. Laboratory work consists of theory, operation and maintenance as well as trouble shooting.

### **Technical Transportation**

Level: Academic 10, 11, 12

Length of course: One semester

Department: Industrial Technology

Pre-requisite: Concurrent enrollment in Algebra 1-2

Course description: This course is a broad overview of power and how it is applicable to industry and everyday living. A thorough study is made of two and four cycle internal combustion engines. Fluid power, the diesel engine, the Wankel (rotary combustion engine), steam power, jets, and rockets are discussed. Laboratory work consists of theory, operation, and maintenance, trouble shooting, and tune-up of a four-cycle engine. Emphasis is placed on technique, accuracy and safety in the use of hand and power tools and testing instruments. Because laboratory work in this class involves a single major project, the satisfactory completion of that project is mandatory in order to receive a passing semester grade for this class.

### **Technical Wood**

Level: Academic 9, 10, 11, 12

Length of course: One semester

Department: Industrial Technology

Pre-requisite: Concurrent enrollment in Algebra 1-2

Course Description: This course presents to the student, interested in lumbering methods, and methods of wood construction, the opportunity to develop skills with the use of hand and power tools; attention is given to the home workshop and home repair, in addition to vocational and consumer information. Emphasis is placed on safety precautions and work procedures.

### **Construction 1-2**

Level: Academic 10, 11, 12

Length of course: One year

Department: Industrial Technology

Pre-requisite: Technical Wood with a grade of D or better

Course Description: This course will introduce the student to construction technology and maintenance practices. Activities will include necessary print reading, sketching, job estimating, and organization

based on the construction selection by the individual student. Attention is given to pre-vocational goals, while stressing accident prevention and development of correct tool and equipment skills. Because laboratory work in this class involves a single major project, the satisfactory completion of that project is mandatory in order to receive a passing semester grade for this class.

### **Construction 3-4**

Level: Academic 11, 12

Length of course: One year

Department: Industrial Technology

Pre-requisite: Construction 1 & 2

Course Description: This course is designed for independent study and emphasis on individualized instruction. Students are allowed to develop in depth their knowledge and skill in woodworking. The student is given the opportunity for an introduction into machine and tool maintenance. Class meeting times may be structured or open. Because laboratory work in this class involves a single major project, the satisfactory completion of that project is mandatory in order to receive a passing semester grade for this class.

### **Construction 5-6**

(Independent Study)

Level: Academic 12

Length of course: One year

Department: Industrial Technology

Pre-requisite: Construction 3-4 and permission of the instructor, student must submit a proposal to instructor.

Course Description: This course is designed for independent study and emphasis on individualized instruction. Students are allowed to develop in depth their knowledge and skill in woodworking. The student is given the opportunity for an introduction into machine and tool maintenance. Because laboratory work in this class involves a single major project, the satisfactory completion of that project is mandatory in order to receive a passing semester grade for this class.

## MATH DEPARTMENT

### **Algebra Concepts A**

Level: Academic 9, 10, 11, 12

Length of course: One year

Department: Math

Pre-requisite: None

Course Description: This course is designed to cover the first semester of Algebra 1 over a period of one year. Topics covered consist of adding, subtracting, multiplying and dividing natural numbers, whole numbers, integers, and rational numbers, ratios, proportions, percents, perimeter, area, and volume.

### **Algebra Concepts B**

Level: Academic 9, 10, 11, 12

Length of course: One year

Department: Math

Pre-requisite: None

Course Description: This course is designed to cover the second semester of Algebra 1 over a period of one year. Topics covered consist of graphing on the number line, graphing in a coordinate plan, solving and graphing equations, solving and graphing inequalities; and probability and statistics.

### **Algebra 1**

Level: Academic, Enriched 9, 10, 11, 12

Length of course: One year

Pre-requisite: None

Course Description: In this course, the student will come into contact with: symbols and sets; variables and open sentences, axioms, equations, and problem solving; the negative numbers; equations, inequalities, and problem solving; working with polynomials; special products and factoring; working with fractions; graphs; sentences in two variables; the real numbers; functions and variations; quadratic equations and inequalities. Emphasis on the structure of algebra is combined with systematic instruction in the techniques of algebra. Precisely worded presentations encourage reasoning, discovery, and develops a familiarity with an understanding of algebraic proof.

### **Geometry 1**

Level: Academic, Enriched 9, 10, 11, 12

Length of course: One year (May be taken by freshmen with completion of Algebra 1 at the High School)

Department: Math

Pre-requisite: Algebra 1

Course Description: Geometry is a study of the properties, relations, and construction of such plane figures as the point, lines, angles, straight line figures, and the circle. A careful study is made of ratio and proportion. The meaning of proof is emphasized, and the student is given many opportunities to discover facts and relationships. The student receives training in logical thinking both in the analysis and in the development of a formal proof. Non-geometrical exercises are introduced to provide transfer to the field of non-mathematical reasoning. Emphasis is placed on how a mathematical system is developed. The course also includes some of the essentials of solid geometry. The goal is to develop original and independent thinking.

### **Algebra 2**

Level: Academic, Enriched 10, 11, 12

Length of course: One year

Department: Math

Pre-requisite: Algebra 1 and Geometry

Course Description: In this course, the students will come into contact with: sets of numbers; open sentences in one variable; systems of linear open sentences; polynomials and factoring; rational numbers and expressions; relations and functions; irrational numbers and quadratic relations and systems; exponential functions and logarithms; trigonometric functions and complex numbers; progressions and binomial expansions; and matrices and determinants. (Enriched Algebra 2 also includes polynomial

functions, permutations, combinations and probability.) Emphasis is on the structure of algebra combined with systematic instruction in the techniques of algebra. Precisely worded presentation encourages reasoning and discovery and develops a familiarity with an understanding of algebraic proof.

### **Pre-Calculus**

Level: Academic, Enriched 11, 12

Length of course: One year

Department: Math

Pre-requisite: Algebra 2

Course Description: This course is designed to lay the foundation for the study of calculus on the college level. The less advanced student will probably have to do more work in analytical geometry before beginning the study of calculus. The advanced student should be able to take calculus as his first course at the college level. Topics covered include the following: number systems including study of fields and groups, coordinate geometry, functions, circular functions, geometric applications of the circular addition formulas for circular functions, vectors in the cartesian plane, lines and planes in space, the complex number system, polynomial functions, the conics, mathematical induction, sequences and series, completeness axiom, binomial theorem, permutations and combinations, and a slight introduction to calculus. Graphing calculators highly recommended.

### **Calculus**

Level: Enriched 12

Length of course: One year

Department: Math

Pre-requisite: B or higher in Pre-Calculus and/or teacher recommendation

Course Description: This course is the first of a three part college sequence in analytic geometry and calculus. It will include limits and continuous functions; derivatives of algebraic; basic trigonometric; logarithmic; and exponential functions; applications of the derivative to geometric considerations; maximum/minimum and related rate problems; integrals of algebraic, trigonometric, logarithmic and exponential functions with applications in area, work, volume, and other similar types of problems; and additional techniques including integration by parts and indeterminate forms of limits.

## MUSIC DEPARTMENT

### **Concert Band/Marching Band**

Level: Academic

Length of course: Up to four years (Marching and Concert)

Department: Music

Pre-requisite: This class is open to all students who play a band instrument.

Course Description: This course covers the study and performance of music appropriate to the intermediate student. Attempts will be made to include literature covering many styles and historical periods, music theory and listening skills, opportunities for study and performance of chamber music and solo literature, and conducting. Performance expectations include concert performances in February and May, festival and contest performances in March and April, graduation activities, and other performances as determined by the director and band members. Marching expectations include participation in home football games, pep assemblies, festivals and parades, a concert performance in December, and other performances as determined by the director and band members.

### **Percussion/Marching Band**

Level: Academic

Length of course: Up to four years (Marching and Percussion)

Department: Music

Pre-requisite: Open to all percussionists

Course Description: This course covers the study and performance of music literature covering a broad range of styles and historical periods, music theory and listening skills, opportunities for study and performance of chamber music and solo literature, and conducting with specific attention to the unique needs and techniques of the percussionist. Performance expectations include concert performances in February and May, festival and contest performances in March and April, graduation activities, other performances as determined by the director and band members. Marching expectations include participation in home football games, pep assemblies, festivals and parades, a concert performance in December, and other performances as determined by the director and band members.

The Marching Band membership is comprised of students enrolled in the Concert and Symphonic Bands and Percussion class. All students enrolled in band classes are expected to participate unless special arrangements are made with the director.

### **Guitar**

Level: No honor points

Length of course: One year 11, 12

Department: Music

Pre-requisite: None (This course is taken in place of study hall) The class is open to all students. No experience is necessary.

Course Description: Basic fundamentals of musicianship specific to the skills needed to play the guitar including note and rhythm reading, tablature, chord symbols, and acoustic guitar. A few school-owned instruments are available on a loan basis for students who do not have their own instrument.

This course is a credit course; however, it is not figured into the G.P.A.

### **Music Technology Workshop**

Level: Academic Music Technology Workshop

Level: Academic 10, 11, 12

Length of course: One semester, but may be repeated up to three additional semesters

Department: Music

Pre-requisite: Previous musical background and training, school program and permission of instructor

Course Description: Students use technology based music applications to study music theory, composition, arranging, piano skills, music research, art and music history, and solo performance.

**Prep Chorus**

Pre-requisite: None. Open to all 9<sup>th</sup> grade students interested in singing. No previous choral experience necessary.

Prep Chorus is mixed (boys and girls) voice choir available to all 9<sup>th</sup> grade students. Curriculum: Basic principles of music theory, vocal production and skills necessary to function in a preparatory choral ensemble. Music to be sung will be of all styles, from all historical periods. Prepchoir members will be participating in the following events:

1. 3 School year concerts-Mandatory
2. IHSA Sponsored music contests-optional
3. High school musical – optional
4. IMEA District music festival – optional
5. EPCHS Chorale – optional/audition

**Concert Choir**

(sophomores, juniors, seniors)

Level: Academic

Length of course: Three to four years

Department: Music

Pre-requisite Open to all students interested in singing. No previous choral experience necessary.

Course Description: Concert Choir is a mixed voice choir available to all EPCHS students 10 – 12.

Advanced principles of music theory, vocal production, and skills necessary to function in an advanced choral ensemble will be taught. Music to be sung will be of all styles, from historical time periods. Concert Choir members will be participating in some/all of the following events during the school year:

- 4 school year concerts - mandatory
- IHSA Sponsored Music Contests - optional
- High School Musical - optional
- IMEA District Music Festival - optional
- Chorale (Pop Choir) - audition
- Mid-Illini Choral Festival

**Music Appreciation Enriched – What to listen for in music**

Level: All Students 11, 12

Length of course: One semester

Department: Music

Course Description: This is a general course that would introduce music of various periods from our musical heritage. Skills of intelligent listening are taught. Dual credit course at ICC.

## **SCIENCE DEPARTMENT COURSES**

### **Biology Concepts**

Level: Academic - 10, 11, 12

Length of course: One year

Department: Science

Prerequisite: Failure of at least one semester of Biology 1-2 or failure of at least semester of Freshman Geology.

Type: Life Science

### **Biology 1-2**

Level: Academic - 10, 11, 12

Length of course: One year

Department: Science

Prerequisite : 8<sup>th</sup> grade MAP reading score of 220 or higher (if taken as a Freshman)

Type: Life science

Course Description: Concepts and principles of biology applicable to all life are presented to emphasize that all living systems are similar and related. The environment and ecology are stressed throughout the course. Laboratory investigations are provided when appropriate to enhance classroom instruction.

### **Enriched Biology 1-2**

Level: Enriched – 9, 10, 11, 12

Length of course: One year

Department: Science

Prerequisite : 2 semester average of C or higher in an Enriched Science or A- or higher in an Academic Science, or 8<sup>th</sup> grade MAP reading score of 235 or higher (if taken as a Freshman)

Science Type: Life science

Course Description: This course is based on the unifying themes of biology: living systems, patterns and products of change, maintenance of dynamic equilibrium, relationships between energy and the organization of matter, reproduction and inheritance, growth and differentiation, and interaction and interdependence.

### **Zoology / Botany**

Level: Academic - 10, 11, 12

Length of course: One year

Department: Science

Pre-requisite: 2 semester average of C- or higher in Academic or Enriched Biology 1-2

Type: Life science

Course Description: The course will focus on the study of botany and zoology. Animals and plants are covered in depth, and bacteria, fungi, and protists are explored.

### **Enriched Zoology / Botany**

Level: Enriched - 10, 11, 12

Length of course: One year

Department: Science

Pre-requisite: 2 semester average of C or higher in Enriched Biology 1-2 or A- or higher in Academic Biology 1-2

Type: Life science

Course Description: The course will focus on the study of botany and zoology. Animals and plants are covered in depth, and bacteria, fungi, and protists are explored.

### **Academic Human Anatomy Physiology 1-2**

Level: Academic - 10,11, 12

Length of course: One year

Department: Science

Pre-requisite: 2 semester average of C- or higher in Enriched Biology or 2 semester average of B- or higher in Academic Biology 1-2

Type: Life science

Course Description: This is an in-depth study of how the body functions, from the cellular to the systemic levels. Medical conditions and diseases of each system are covered. Various sheep or pig organs are dissected, as well as a mink.

### **Enriched Human Anatomy Physiology 1-2**

Level: Enriched - 10,11, 12

Length of course: One year

Department: Science

Pre-requisite: 2 semester average of B- or higher in Enriched Biology 1-2, or A- or higher in Academic Bio 1-2

Type: Life science

Course Description: This is an in-depth study of how the body functions, from the cellular to the systemic levels. Medical conditions and diseases of each system are covered. Various sheep or pig organs are dissected, as well as a mink.

### **Forensic Science**

Level: Academic - 11, 12

Length of Course: One year

Prerequisite: 2 semester average of C- or higher in an Enriched or Academic Bio 1-2 **and** in Enriched or Academic Geometry

Type: Life Science **or** Physical Science

Course Description: Forensic science is a lab based course that will study the application of basic biological, chemical and physical science principles and technological practices to the purposes of justice in the study of criminal and civil issues. Major themes of study in this course are the justice system, pathology, anthropology, toxicology, firearms, trace evidence, biological fluids, DNA, fingerprints, impression evidence, questioned documents and forensic psychiatry/psychology. Students will learn the basics of crime scene investigation, and will use information gained in class to examine and process mock crime scenes.

### **Advanced Placement Biology Prep**

Level: Enriched – 11, 12

Length of course: One year

Department: Science

Prerequisite: 2 semester average of B- or higher in Enriched Biology 1-2 and or A- in Academic Bio 1-2, and 2 semester average of A- or higher in Chemistry 1-2

Type: Life Science

Course Description: This course is a college level biology course. It gives the student the opportunity to earn college credit. The topics covered are molecules, cells, genetics, organisms, and populations. Students will be required to pay a fee for the advanced placement test as a part of this course.

### **Basic Geology**

Level: Academic - 9, 10, 11, 12

Length of course: One semester (1<sup>st</sup> only)

Department: Science

Type: Physical Science (Earth)

Prerequisite: none

Course Description: Basic Geology includes topics covering: map reading, minerals, rocks, plate tectonics, earthquakes, and volcanoes.

### **Enriched Basic Geology**

Level: Enriched - 9, 10, 11, 12

Length of course: One semester (1<sup>st</sup> only)

Department: Science

Type: Physical Science (Earth)

Prerequisite: 2 semester average of C or higher in previous Enriched Science, or A- or higher in Academic Science, or 8<sup>th</sup> grade MAP reading score of 235 or higher (if taken as a Freshman)

Course Description: Enriched Basic Geology includes topics covering: map reading, minerals, rocks, mountain building, plate tectonics, earthquakes, and volcanoes. Enrichment will involve deeper study and investigation of content. Assessment will include numerous essays that will require the student to demonstrate his/her depth of understanding of the content.

### **Astronomy and Weather**

Level: Academic - 9, 10, 11, 12

Length of course: One semester (2<sup>nd</sup> only)

Department: Science

Type: Physical Science (Earth)

Prerequisite: none

Course Description: Astronomy and Weather topics include: the Sun-Earth-Moon system, our solar system, objects in the universe, atmosphere composition, weather systems, storms, and climate.

### **Enriched Astronomy and Weather**

Level: Enriched - 9, 10, 11, 12

Length of course: One semester (2<sup>nd</sup> only)

Department: Science

Type: Physical Science (Earth)

Prerequisite: 2 semester average of C or higher in previous Enriched Science, or A- or higher in Academic Science, or 8<sup>th</sup> grade MAP reading score of 235 or higher (if taken as a Freshman)

Course Description: Astronomy and Weather topics include: the Sun-Earth-Moon system, our solar system, objects in the universe, atmosphere composition, weather systems, storms, and climate. Enrichment will involve deeper study and investigation of content. Assessment will include numerous essays that will require the student to demonstrate his/her depth of understanding of the content.

### **The Changing Earth and Oceans**

Level: Academic - 10, 11, 12

Length of course: One semester (1<sup>st</sup> only)

Department: Science

Type: Physical Science (Earth)

Prerequisite: none

Course Description: The Changing Earth and Oceans includes topics covering: weathering, erosion, fresh water, oceanography, geologic time, and earth history (geology and life of the past).

### **The Changing Earth and Oceans - Enriched**

Level: Enriched - 10, 11, 12

Length of course: One semester (1<sup>st</sup> only)

Department: Science

Type: Physical Science (Earth)

Prerequisite: 2 semester average of C or higher in previous Enriched Science, or A- or higher in Academic Science

Course Description: The Changing Earth and Oceans - Enriched includes topics covering: weathering, erosion, fresh water, oceanography, geologic time, and earth history (geology and life of the past). Enrichment will involve deeper study and investigation of content. Assessment will include numerous essays that will require the student to demonstrate his/her depth of understanding of the content.

### **Earth's Resources**

Level: Academic - 10, 11, 12

Length of course: One semester (2<sup>nd</sup> only)

Department: Science

Type: Physical Science (Earth)

Prerequisite: none

Course Description: The following topics are discussed in Earth's Resources: natural resource discovery and use, conventional and alternative energy sources and their use; and air, water, and land management.

### **Enriched Earth's Resources**

Level: Enriched - 10, 11, 12

Length of course: One semester (2<sup>nd</sup> only)

Department: Science

Type: Physical Science (Earth)

Prerequisite: 2 semester average of C or higher in previous Enriched Science, or A- or higher in Academic Science, or based on 8<sup>th</sup> grade MAP score (if taken as a Freshman)

Course Description: The following topics are discussed in Earth's Resources: natural resource discovery and use, conventional and alternative energy sources and their use, and air, water, and land management. Knowledge of these issues is critical to becoming an active and informed citizen as this nation and others address our resource and energy needs. This class covers material not discussed in depth in Environmental Stewardship.

### **Environmental Stewardship**

Level: Academic - 10, 11, 12

Length of course: One year

Department: Science

Pre-requisite: Freshman & Sophomore level science

Type: Life Science

Course description: This class will focus on topics associated with Environmental Sustainability - how we as humans can live in and create a healthier and more equitable world for all beings while not compromising the needs of future generations. Some key topics of study will include: Carbon Footprint, Organic Products, Ecology, Population, Life Systems, Energy and Natural Resources, Water and Air Quality, Technology, Environmental Ethics, Architecture, Community Outreach, and Active Citizenship. This class will be project-oriented with many hands-on activities with real-world applications. This class will be a cross-curricular class that will meet many of the Illinois Learning Standards in numerous subject areas.

### **Survey of Earth Science**

Level: Enriched - 11, 12

Length of course: One semester

I.C.C. Dual Credit Course Name: Survey of Earth Science (EAS 111)

Number of College Credit Hours: 4

Department: Science

Type: Physical Science (Earth)

Prerequisite: 2 semester average of C or higher in previous Enriched Science, or A- or higher in Academic Science

Course Description: Survey of Earth Science topics include: Minerals, Rocks, Plate Tectonics, Erosion, Weather, Oceanography, Earth History, and Astronomy. Eleven standardized labs will also be completed during this class. This class is quite rigorous where one to two years of high school material will be covered in one semester.

### **Academic Chemistry 1-2**

Level: Academic - 10, 11, 12

Length of course: One year

Department: Science

Prerequisite: 2 semester average of B- or higher in Academic Science or C- or higher in Enriched in previous year's science. 2 semester average of B- or higher in Algebra 1-2 or Algebra B

Type: Physical science

Course Description: This course provides the student with the basic background of chemistry. It is developed to use the methods of logical thought to stimulate the student to begin to reason from known data to unknown results. It is geared toward an understanding of the community and the environment as chemistry impacts it. It covers elementary atomic structure, chemical bonding, some descriptive chemistry, concentrations, kinetics, and oxidation-reduction reactions.

### **Enriched Chemistry 1-2**

Level: Enriched - 10, 11, 12

Length of course: One year

Department: Science

Prerequisite: 2 semester average of C or higher in Enriched Science or an A- or higher in Academic and 2 semester average of C or higher Enriched Algebra 1-2 or Algebra B.

Type: Physical science

Course Description: This course provides the student with a basic background of college chemistry. It is developed to use the methods of logical thought to stimulate the student to begin to reason from known data to unknown results. It covers the elementary atomic structure, chemical bonding, some descriptive chemistry, concentrations and kinetics.

### **Academic Chemistry 3-4**

Level: Academic - 11, 12

Length of course: One year

Department: Science

Prerequisite : 2 semester average of C- or higher in Chemistry 1-2 or Enriched Chemistry 1-2.

Type: Physical science

Course Description: The course will be a continuation of Chemistry topics learned in Academic Chemistry 1-2 including: thermodynamics, kinetics, equilibrium chemistry, organic chemistry, inorganic chemistry, nuclear chemistry, and electrochemistry.

### **AP Prep / Enriched Chemistry 3-4**

Level: Enriched - 11, 12

Length of course: One year

Department: Science

Pre-requisite: 2 semester average of C or higher in Enriched Chemistry 1-2 or 2 semester average of A- or higher in Academic Chemistry 1-2

Type: Physical science

Course Description: The course will be a continuation of Chemistry topics learned in Academic Chemistry 1-2 including: thermodynamics, kinetics, equilibrium chemistry, organic chemistry, inorganic chemistry, nuclear chemistry, and electrochemistry. This course will be taught with an inclusion of the Advanced Placement Chemistry Preparation Manual. The activities in this manual will be supplemented into the class content so that those students who elect to take the AP exam will be further prepared for the exam and enhance the chances of success on the test.

### **Academic Physics 1-2**

Level: Academic - 10,11, 12

Length of course: One year

Department: Science

Pre-requisite : 2 semester average of B- or higher in Academic Science or C- or higher in Enriched in previous year's science. 2 semester average of B- or higher in Algebra 1-2 or Algebra B

Type: Physical science

Course Description: Physics is the study of matter and energy. The topics include acceleration, inertia, work, gas laws, light, sound, electricity, atomic structure, as well as potential, kinetic, and nuclear energy. This class is approached more from a conceptual viewpoint than a mathematical one. While math cannot be eliminated, its importance is of a lesser value. Experiments are done in the lab to reinforce the textbook materials, and make the lessons relevant.

### **Enriched Physics 1-2**

Level: Enriched - 10,11, 12

Length of course: One year

Department: Science

Pre-requisite: 2 semester average of C or higher in Enriched Science or an A- or higher in Academic and 2 semester average of C of higher in Enriched Algebra 1-2 or Algebra B.

Type: Physical science

Course Description: Physics is the study of matter and energy. The topics covered include acceleration, inertia, work, gas laws, light, sound, electricity, atomic structure, and potential, kinetic and nuclear energy. Experiments are designed to have meaning to the student. Original thinking is encouraged with the student doing as much of the planning as possible and often inventing and constructing equipment to serve his needs. The accelerated class goes into greater depth in the same areas of study.

### **Enriched Physics 3-4**

Level: Enriched - 11,12

Length of course: One year

Department: Science

Pre-requisite: 2 semester average of B- or higher in Enriched Physics 1-2

Type: Physical science

Course Description: Topics will include Electricity, Magnetism, and Thermodynamics as well as some Engineering based topics. A major component of this class will include laboratory and hands on activities that will assist the students attain a deep understanding of the scientific laws and theories relating to the above topics. This class will include a culminating project that will incorporate topics learned from both Physics 1-2 and Physics 3-4.

## **SOCIAL SCIENCES DEPARTMENT**

### **Enriched Government/Economics**

Level: Enriched 10

Length of course: One semester

Department: social Science

Pre-Requisite: Enriched English B- or better

Course Description:

#### 1<sup>st</sup> semester

Enriched Economics is a blend of economic theory and consumerism. It is designed to utilize students' familiarity with the kinds of economic choices people make in everyday life to develop an understanding of new more complex economic concepts. The primary objective of the course is to aid students in becoming responsible economic decision makers as employees, employers, savers, investors, citizens, and consumers in the American economy.

Analysis of current economic problems and a computer simulation applying micro theory will be required. A business consultant will also be available when possible.

#### 2<sup>nd</sup> semester

Enriched Government is designed for students who expect to continue their education in college. It is primarily concerned with developing an understanding of political behavior. The course also meets the constitution (Illinois and US Constitution) graduation requirement. The following are possible experiences: state wide political think tank through Brown University and Illinois Counsel for the Humanities, participation in Youth Government Day and monthly meeting with the East Peoria Chamber of Commerce.

### **Academic Economics**

Level: Academic 10

Length of Course: One semester

Department: Social science

Pre-requisite: Academic English

Course Description: Meets basic consumer requirements and goes beyond to some depth in micro and macroeconomics theory. Suggested for college bound students. Meets a minimum level of economic understanding and contains a strong emphasis on practical considerations. Includes visits by outside business consultants and a computer simulation in which students will work in groups to achieve a profit as well as apply micro theory. Students will also gain an understanding of the stock market through an extensive computer simulation.

### **Academic Government**

Level: Academic 10

Length of Course: One semester

Department: Social Science

Pre-requisite: Academic English

Course Description: Academic Government is designed for students who expect to attend college and must pass the test on Illinois and US Constitutions at both high school and college level. The emphasis is on understanding the basic formal structure of state and national government.

### **Enriched United States History**

Level: Enriched 11

Length of course: One year

Department: Social Sciences

Pre-requisite: Enriched English, C- or better in Government/Economics or teacher recommendation.

Course Description: United States History is a two semester subject required for graduation. On all levels, this course is concerned with the traditions, ideals, characteristics, and goals that make up the American way of life. Emphasis is placed on understanding history as it relates to and influences contemporary American life and problems. Students taking this course will be moving toward achieving the subject's learning goals through a variety of learning activities. Among these are skill building

activities, critical thinking assignments, examination of key issues, group and individual projects and examination. Enriched classes will require intensive essay skills and critical thinking skills.

### **Academic United State History 1-2**

Level: Academic 11

Length of Course: One year

Department: Social Science

Pre-requisite: Academic Government/Economics

Course Description: United State History is a two semester subject required for graduation. On all levels, this course is Concerned with the traditions, ideals, characteristics, and goals that make up the American way of life. Emphasis is placed on understanding history as it relates to and influences contemporary American life and problems Students taking this course will be moving toward achieving the subject's learning goals through a variety of learning activities. Among these are skill building activities, critical thinking assignments, examination of key issues, group projects, essays, and examinations. Classes will require essays and critical thinking skills.

### **Academic Geography 1-2**

Level: Academic 9, 10, 11, 12

Length of Course: One year

Department: Social Science

Pre-requisite: None

Course description: This elective course features a wide variety of materials designed to develop social studies skills and concepts. The major objectives of this course are to point out the practical importance of geography in human life in all ages, and especially in our own time; to point out that geography is not an isolated body of subject matter, but one that is intimately tied to history and other social sciences.

### **Academic World History 1-2**

Level: Academic 10, 11, 12

Length of Course: One year

Department: Social Science

Pre-requisite: None

Course Description: World History is divided into two one-semester classes. World History I (Non-Western Civilization) is presented first semester and World History II (Western Civilization) is presented the second semester. Non-Western Civilization encourages the student to explore outside the confines of his own world four developing nations: India, China, South American, and Africa. Attention is focused on the historical development of these nations, their problems, and how they relate to the world community. Western Civilization is a journey into the past. It is an examination of the social political and cultural contributions made by various periods of history and the basic concepts that have shaped the development of our western heritage. The student is encouraged to develop his own ideas about the problems common to mankind throughout recorded history and to recognize how these problems affect his world today.

### **Enriched World History 1-2**

Level: Enriched 12

Length of Course: One year

Department: Social Science

Pre-requisite: B or higher in Enriched US History and/or teacher recommendation

Course Description: This course is a survey of World History from prehistoric times to the present. It is intended to acquaint the student with the major characteristics, contributions, and important people of each period of Western Civilization. While the focus is on Western European history, other non-European civilizations from India, Asia, Africa as well as the Americas will be examined. Emphasis will be placed on tracing the roots of our own traditions, providing an understanding of the overall structure of history, developing an appreciation of the rich variety of cultures in the worlds past and present. Applying our knowledge of the past will help gain insight into the current situations and events around the world. The first semester will cover the time period from prehistoric thru the Middle Ages; approximately 1500 AD. The second semester covers the time period from the end of the Middle Ages to the present. Included in

the course of study will be examinations of the important decisions made by various civilizations and the impact on future events from these decisions. This will help develop critical thinking needed to appreciate and understanding World History.

### **Introduction to Advanced Psychology**

Level: Enriched 12

Length of Course : 1 Semester

Department: Social Science

Pre-requisite: Reading Placement Score of 85 or higher that would be given in the spring prior to students taking the class in the fall.

Course Description: Although students will be taking the Dual Credit Psychology course during 2<sup>nd</sup> semester, psychology is a subject area that is vast and complex. Therefore, it is during the 1<sup>st</sup> semester, in Advanced Introduction to Psychology, which I would like to cover topics which, due to time constraints I will not be able to cover during Psychology 110. It will also be during this time that I will be able to go more in depth into specific topics such as the brain and research that we will cover in Psychology 110.

### **Psychology 110**

Level: Enriched 12

Length of Course: 1 Semester (Spring-students will take after Intro to Advanced Psychology in the fall)

Department: Social Science

Pre-requisite: Reading Placement Score of 85 or higher that would be given in the spring prior to students taking the class in the fall. Students must also have successfully completed Introduction to Psychology. Psych B- or higher and/or teacher recommendation.

Course Description: Psychology is the scientific study of behavior and mental processes. This course will introduce the students to fundamentals of physiological psychology, sensation and perception, learning, emotions and motivation, and psychological disorders and their treatment. The role of research and the scientific method are emphasized throughout the course.

### **Sociology 1**

Level: Academic 11, 12

Length of Course: One semester

Department: Social Science

Pre-requisite: Academic English

Course Description: Sociology is a course designed to follow the life process of development from a behavioral science point of view from birth through childhood, the school years, adolescence, adulthood (focusing on marriage) aging, death, and future, and related social problems. The course also emphasizes the interdisciplinary contributions of such fields as anthropology and psychology.

### **Psychology 1**

Level: Academic 11, 12

Length of Course: One semester

Department: Social Science

Pre-requisite: Academic English. Student needs to have a C- or higher in English class.

Course Description: Academic Psychology is designed to give students a survey of the field of psychology, a college preparatory background, and better insight into their own lives. The course survey the three major approaches to psychology – biological, behavioral, cognitive, psychoanalytic, and humanistic. Memory processes, altered states of consciousness, personality, stress, selected aspects of social psychology, psychological disorders, and therapy techniques are emphasized.

### **Dual Credit World Geography**

Level: Enriched 11, 12

Length of Course: 1 Semester

Department: Social Science

Pre-requisite: None

Course Description: This class will cover the basic geographical concepts of location, place, region, human-environmental interaction, and movement, and their impact in the 10 regions of the world.

## **PHYSICAL EDUCATION**

### **Power Weight Training (Boys)**

Level: 9, 10, 11, 12

Length of Course: One year

Department: Physical Education

Pre-requisite: None

Course Description: The goal of this course is to focus on strength, speed, endurance and flexibility, while at the same time provide students with an understanding and appreciation of lifelong fitness. This course will have a wide variety of guest speakers to aid in the student's knowledge of current issues.

### **Personal Wellness (Girls)**

Level: 9, 10, 11, 12

Length of Course: One year

Department: Physical Education

Pre-requisite: None

Course Description: The goal of this course is to focus on individual wellness. Aspects of the course include strength, flexibility, endurance, cardio-health, fitness, community service and maintaining health after high school. There will be guest speakers to aid the student in current affairs regarding health and fitness. This course will also discuss topics such as osteoporosis, breast cancer, nutrition and injuries. This course may also be taken for dual credit as a junior or senior earning 1 hour of college credit for each semester. A student may earn credit for PE 149 (1 semester) and PE 162 (1 semester).

### **Physical Education (Boys, Girls)**

Level: 9, 10, 11, 12

Length of Course: 1 year

Department: Physical Education

Pre-requisite: None

Course Description: Physical education is required all 4 years of high school. Students are exposed to a wide variety of activities. These activities include: individual and team sports, fitness, team building, adventure challenge, rhythmic activities, guest speakers and self defense. Fitness testing and wellness are a special emphasis in our physical education program.

### **Health**

Level: Academic

Length of course: One semester (In most cases taken freshman year)

Department: Health

Pre-requisite: None

Course Description: Students will be given information that they need to better understand the different aspects of health and wellness. A constant theme throughout health education focuses on the development and application of student decision-making skills as it relates to his/her own health. Emphasis focuses on developing basic knowledge and understanding of food and nutrition principles, first aid procedures/techniques, drug and alcohol awareness and normal growth and development processes. Other areas explored are mental/emotional health, stress and stress management, relationship/dating, and disease prevention. Activities include oral discussion, small group work, role playing, demonstrations, journal-keeping and guest speakers on current and various health related topics.

*Updated 1/18/2012*