

2010 – 2011

Course Catalog

Princeton Township High School

District 500

Established in 1867
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ACADEMIC STANDING

All students who have attended less than eight semesters must enroll as a full-time student. Exceptions will be made for students who are under a medical doctor's care. All students will enroll in eight classes each semester. Beginning with the Class of 2003, the following classification system will be used to determine a student's academic standing:

Sophomore Classification – must have earned **six (6)** credits by the first day of school.

Junior Classification – must have earned **thirteen (13)** credits by the first day of school.

Senior Classification – must have earned **nineteen and one-half (19 ½)** credits by the first day of school.

All classes are designated as semester classes. Some classes are one semester (18 weeks) and students will receive 1/2 credit. Other classes are two semester (36 weeks) classes and students receive one credit. Final grades will be recorded at the end of each semester. Teachers will notify parents of students who may be in danger of failing through a progress report at the mid-point of each semester. These progress reports will be mailed home. The reporting of grade status is especially important since this will be the only warning students and parents will receive concerning poor progress.

STUDENT SCHEDULES

Students are issued a copy of their schedule prior to the start of the school year. If a student loses this copy, there is a \$1.00 charge for replacement. Replacement copies can be obtained in the Guidance Office.

COURSE SELECTION TIMELINE

On Tuesday, January 26, 2010 all students will receive one copy of the 2010-2011 Focus on Your Future Curriculum Guide and a general information registration sheet. Students will also receive a copy of his/her transcript, second semester schedule, and a 2010-2011 course selection form. The guidance department will conduct registration meetings by class held in the auditorium throughout the month of February. It is at this time that students will complete their registration form. The guidance staff will meet with those students who request a personal conference. Prior to the registration meeting, students should have eight credits selected, as well as two ½ -credit alternates and one full - credit alternate. Students will also receive a verification of their courses later in the spring that will require a parent signature. Student schedules will be mailed out in early August. After this point, schedule changes will be limited. The course selection process is extremely important. We ask students and their parents to put thought and planning into the selections. If you have any questions, feel free to contact your student's counselor at the voice mail or e-mail listed below:

<u>Last Names</u>	<u>Counselor</u>	<u>Extension</u>	<u>E-mail</u>
A – L	Mr. Church	Ext. #231	bdchurch@phs-il.org
M – Z	Mrs. Dullard	Ext. #227	ddullard@phs-il.org

DROPPING OR ADDING A CLASS

Students may replace one course for academic reasons during the first five (5) days of a new semester. Any student, who joins a class late, but within the first five days, must complete all work that has been assigned.

CLASS RANK

Class rank will be calculated at the conclusion of each semester. Students who enroll at Princeton High School during the first 30 days of a semester will be included in class rank. Students who enroll after the cutoff date will not be included in the class rank until he/she has completed the current semester and the following semester. With the exception of foreign exchange students, all students attending Princeton High School will be included in class rank.

GRADE POINT AVERAGE

Grade point averages are calculated at the end of each semester. The grade point average is based on all courses except physical education, driver education, band, and chorus. All grades are computed on a 4.000 scale. Grades are not weighted for advanced placement, accelerated, or remedial courses. No course is offered with a pass-fail option. A student who passes the first semester of a two-semester class and then fails the second semester of the class earns $\frac{1}{2}$ credit for passing the first semester of the course.

SCHEDULING CONSIDERATIONS

Class sizes must be balanced by teacher and section capacity. Therefore, these factors will always be a primary consideration in scheduling students. Students can not choose her/his teacher(s) or switch from one teacher to another teacher of the same subject. Students should take courses in the year recommended as indicated in the curriculum guide. Variations or deviations in enrollment requirements or recommendations must be approved by the guidance department.

Failure of continuity based courses - Any student who fails the first semester of a continuity-based course must drop the class unless he/she receives a conditional "F" grade from the semester one instructor. The student may repeat the course from the beginning in a future semester.

Failure of required courses - Students are encouraged to repeat the failed course as soon as possible. However, the student and his/her counselor should evaluate the four-year academic plan on a case by case basis.

PROFICIENCY TESTING IN CONSUMER EDUCATION

A Consumer Education proficiency test is offered twice during the school year. A student, at any grade level may take the test, but only take one per calendar year. There is no credit issued. However, the student meets the graduation requirement, if he/she passes the proficiency test.

MID-YEAR GRADUATION (January)

Early graduates must meet the credit requirements of the class with whom they entered high school. Students must submit a letter to request early graduation to the Guidance Department no later than September 1st. Students in need of correspondence work are not eligible for early graduation. Mid-year graduation candidates must meet with their guidance counselor prior to September 1st.

THE ILLINOIS VIRTUAL SCHOOL POLICY

If a student has successfully completed all available course work in a specific department, he/she can explore the possibility of taking advanced study course work through the Illinois Virtual High School. For additional information and a complete list of courses that are available, visit www.ilvirtual.org.

Princeton High School Graduation Requirements

English (Beginning with the Class of 2012, all students will need 4 credits of English.)	3 credits
Math	3 credits
Social Studies World History: Socrates to Napoleon Period (1/2) World History: Napoleon to the World Wars Period (1/2) World Geography (1/2) Regional Geography (1/2) Advanced Placement European History (1) Modern History I (1/2)	1 credit
American History or Advanced Placement in American History	1 credit
American Government	½ credit
Consumer Economics (This requirement may be met by completing one of the following: Consumer Economics or Principles of Economics.)	½ credit
Science	2 credits
Music, Art, Foreign Language or Vocational/Technical Education	2 credits
Physical Education (This credit may be replaced for medical, athletic, or scholastic reasons as outlined in the Illinois Administrative Code Chapter 1, S.1.420 P32.)	4 credits
Health	½ credit
Driver Education	0 credit
Speech	½ credit
Computer Literacy and Keyboarding/ Introduction to Computer Concepts	½ credit
Electives	9 credits
Total Credits Required*	27 ½ credits

Approved 1-21-99

* Beginning with the Class of 2006, all students must complete a minimum of 24 hours of service learning. Please see the Service Learning Booklet for specific information regarding this requirement. (Approved 12-18-01)

TRANSFER CREDIT POLICY

Students who transfer to Princeton High School from a high school that is on a non-block or traditional schedule will be required to meet a different set of graduation requirements. The total number of required credits a transfer student must earn is dependent upon the length of time the student has remaining in high school.

Students with 3 years remaining on the block schedule will need to earn a total of 25 ½ credits.
Students with 2 years remaining on the block schedule will need to earn a total of 23 ½ credits.
Students with 1 year remaining on the block schedule will need to earn a total of 21 ½ credits.

In order to ensure fairness, transfer students who present unusual circumstances will be evaluated on a case by case basis.

This page is intentionally left blank Post Secondary Education Options Chart.
See attachment on Shared Files Link for the Chart

This page is intentionally left blank for State Universities in Illinois – At a Glance.
See attachment on Shared Files Link for the Chart

ACADEMIC PLANS

Students are strongly encouraged to follow either the College Preparatory or the Technological Preparatory Program. While the General Education Program is offered, this program has been shown to primarily serve those students with special needs. The suggested programs are as follows:

1. College Preparatory
2. Technological Preparatory
3. General Education

College Preparatory Program

All students planning to attend a college or university should plan to pursue a rigorous high school academic program. The requirements outlined in this curriculum satisfy the minimum entrance requirements for most colleges and universities. A four-year program can be modified to meet specific entrance requirements when students know which institutions they plan to attend. The program outlined below does not guarantee a marketable skill for employment after high school graduation; it is designed to prepare the student for post-high school education.

Grade 9

- | | |
|----------------------------|---------------------------|
| 1. Themes in Literature | 5. Science* |
| 2. Mathematics* | 6. P.E. |
| 3. Comp. Concepts/Elective | 7. World History/Elective |
| 4. Elective | 8. Elective |

Grade 11

- | | |
|------------------------|-------------------|
| 1. American Literature | 5. Science |
| 2. Mathematics | 6. AP Am. History |
| 3. Elective | 7. P.E. |
| 4. Elective/Speech | 8. Elective |

Grade 10

- | | |
|-----------------------------|-------------------------|
| 1. Essentials in Literature | 5. Science |
| 2. Mathematics | 6. Elective |
| 3. P.E /Driver's Education | 7. World History/Health |
| 4. Elective | 8. Elective |

Grade 12

- | | |
|------------------------------|----------------------|
| 1. British Literature | 5. Am. Gov./Elective |
| 2. P.E. /Principles of Econ. | 6. Science |
| 3. Mathematics | 7. Elective |
| 4. Social Studies | 8. Elective |

*English, Mathematics, and Science Courses are dependent upon the student's initial placement at Princeton High School. Elective courses in the following areas are recommended: Art, Computer Science, Foreign Language, Mathematics, Music, Science, and Social Science.

Technological Preparatory Program

The Tech-Prep program consists of both vocational and liberal arts courses that provide students with a solid foundation in mathematics, communications, and technology in an applied setting. The goal is to provide students with an articulated program commencing in the student's junior year in high school and completing with an associate degree at the community college level or a marketable skill for employment following high school.

Grade 9

- | | |
|----------------------------|------------------------|
| 1. Themes in Literature | 5. Science* |
| 2. Mathematics* | 6. P.E. |
| 3. Comp. Concepts/Elective | 7. Elective |
| 4. Elective | 8. Reg. Geog./Elective |

Grade 11

- | | |
|---------------------------|-------------------------|
| 1. English III | 4. P.E. |
| 2. Mathematics | 5. American History |
| 3. Area Career Center-1** | 6. Area Career Center-1 |

Grade 10

- | | |
|-----------------------------|-------------------------|
| 1. Essentials in Literature | 5. Science |
| 2. Mathematics | 6. Soc. Studies/Elec. |
| 3. P.E./Driver Education | 7. Health/Elective |
| 4. Elective | 8. World Geog./Elective |

Grade 12

- | | |
|----------------------------|---------------------------|
| 1. English IV | 4. Am. Govt./Speech |
| 2. Elective/Consumer Econ. | 5. Elective |
| 3. Area Career Center-1** | 6. Area Career Center-11) |

* English, Mathematics, and Science courses are dependent upon the student's initial placement at PHS.

Elective courses in the following areas are recommended: Computer Education, Business Education, Family and Consumer Science, Industrial Education, and class offerings at the Area Career Center.

** Students who opt to attend a program of study at the La-Salle-Peru Area Career Center during the junior and/or senior year register for at total of six credits.

General Education Program

Grade 9

- | | |
|----------------------------|-------------------------|
| 1. Themes in Literature | 5. Science* |
| 2. Mathematics* | 6. P.E. |
| 3. Comp. Concepts/Elective | 7. Elective |
| 4. Elective | 8. World Geog./Elective |

Grade 11

- | | |
|----------------|---------------------|
| 1. English III | 5. American History |
| 2. P.E. | 6. Speech/Elective |
| 3. Mathematics | 7. Elective |
| 4. Elective | 8. Elective |

Grade 10

- | | |
|---------------------------|----------------------|
| 1. English | 5. Science* |
| 2. Mathematics* | 6. Reg. Geog./Elect. |
| 3. P.E /Drivers Education | 7. Health/Elective |
| 4. Elective | 8. Elective |

Grade 12

- | | |
|---------------|-----------------------|
| 1. English IV | 5. Am. Gov/Con. Econ. |
| 2. P.E. | 6. Elective |
| 3. Elective | 7. Elective |
| 4. Elective | 8. Elective |

* English, Mathematics, and Science courses are dependent upon the student's initial placement at PHS.

ART DEPARTMENT

Course: **Art I**

Credit: One

Length: Two Semesters

Year Taken: Freshman through Senior

Textbook: *The Visual Experience; Creating and Understanding Drawings*

Special Requirements/Fees: Students must provide their own basic art supplies.

Art I is an introductory level course taught to understand the basics of drawing, design, lettering, color, composition, painting, and three-dimensional design. Sketchbook assignments, journal writing, and related vocabulary will be assigned each week. A final exam will be given at the end of each semester on areas of study covered.

First Semester

Drawing Unit - Materials, Skills
and Techniques
Figure Drawing/Portraiture
Perspective Drawing
Watercolor Painting
Basic Color Theory
Basic Mat Cutting
Presentation of Art Work

Second Semester

Crafts/Sculpture/Pottery
Art criticism/Appreciation
Calligraphy/Letterforms
Printmaking/Graphics

Course: **Art II**

Credit: One

Length: Two Semesters

Requirement for Enrollment: Art I

Year Taken: Sophomore through Senior

Textbook: *The Visual Experience; Creating and Understanding Drawings*

Special Requirements/Fees: Students must provide their own basic art supplies.

Art II will apply the rules of design, color, and composition through units of drawing, lettering, painting, printmaking, and three-dimensional design. Units in graphic and commercial design will also be incorporated in this course. Sketchbook assignments, journal writing, and related vocabulary will be assigned each week. A final exam will be given at the end of each semester. The use of Adobe Photoshop will also be incorporated into some of the lessons/assignments.

First Semester

Develop a Reference File
Design and Layout
Drawing
Figure and Portraiture
Caricature Drawing/ Cartooning
Intro to Basic Airbrush
Lettering and Typography
Art Criticism/Appreciation

Second Semester

Scratchboard Design
Color Theory
Watercolor Painting
Sculptural Form and Pottery
Acrylic Painting and Techniques
Printmaking and Graphic Design

Course: **Art III**

Credit: One

Length: Two Semesters

Requirements for Enrollment: Art I and Art II

Year Taken: Junior through Senior

Textbook: *The Visual Experience; Creating and Understanding Drawings*

Special Requirements/Fees: Students must provide their own basic art supplies.

Art III will continue to apply the basic rules of design, color, and composition to units in two and three dimensional design, graphics, and commercial design. Art history and appreciation will be incorporated throughout the course. Sketchbook assignments, journal writing, and related vocabulary will be assigned each week. A final exam will be given at the end of each semester. The use of Adobe Photoshop will also be incorporated into some of the lessons/assignments.

First Semester

Developing a Reference File

Design and Layout

Drawing

Figure and Portraiture Drawing

Lettering and Typography

Art criticism and Appreciation

Developing Art Portfolio

Airbrush Design

Second Semester

Trademarks and Logo Design

Sculptural Form and Pottery

Advanced Color Theory

Acrylic Painting

Printmaking and Graphics

Course: **Art IV**

Credit: One

Length: Two Semesters

Requirements for Enrollment: Art I, Art II, and Art III

Year Taken: Senior

Textbook: *The Visual Experience; Creating and Understanding Drawings*

Special Requirements/Fees: Student must provide their own basic art supplies.

Art IV will continue to meet the individual needs and artistic interests of the student. There are several units of study in two and three-dimensional design that will be required for the student to complete, including graphics and commercial design. A unit in Art Careers will also be explored. Students will also develop and refine their art portfolio. Art history and appreciation will be incorporated throughout the course. Sketchbook assignments, journal writing, and related vocabulary will be assigned each week. A final exam will be given at the end of each semester. The use of Adobe Photoshop will be incorporated into some the lessons/assignments.

First Semester

Developing a Reference File

Advanced Drawing

Figure Drawing and Portraiture

Pen and Ink Illustration

Mat Cutting (Hinged Window/Mat Board Mats)

Portfolio Development

Art criticism and Appreciation

Second Semester

Advanced Painting (Watercolor and Acrylics)

Sculptural form and Pottery

Printmaking and Graphics

Art Careers

Portfolio Development and Refinement

BUSINESS

Course: **Business and Technology Concepts**

Credit: One

Length: Two Semesters

Year Taken: Freshman through Senior

Textbook: *Introduction to Business-Our Business and Economic World*

This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration and production).

Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. Emphasis will be placed on using the computer while studying applications in these careers along with communication skills (thinking, listening, composing, revising, editing, and speaking), math and problem solving. Business ethics as well as other workplace skills will be taught and integrated within this course.

This course is not intended to meet the consumer education requirement, but rather to provide preparation for the skill level courses that make up the Business, Marketing, and Management occupations programs.

Course: **Business Law**

Credit: One Half

Length: One Semester

Year Taken: Sophomore through Senior

Textbook: *Law for Business and Personal Use*

Business Law provides an in-depth study of the effect of the law on businesses and everyday life. Topics will be presented through written work, discussion, speakers and a field trip. Units cover Criminal, Civil, Personal Injury, Contract and Employment law as well as Business ethics. Current business trends and practices will be discussed.

Course: **Introduction to Marketing**

Credit: One

Length: Two Semesters

Year Taken: Sophomore through Senior

Textbook: *Marketing Essentials*

Marketing is the process of developing, promoting, and distributing products to satisfy customers' needs and wants. Introduction to Marketing stresses the seven functions of marketing and is designed to help develop skills and knowledge needed by students interested in marketing and business careers. Field trips, speakers, and special projects such as creating your own product or business may be included in the units covered.

First Semester

The World of Marketing

Selling

Promotion

Distribution

Second Semester

Pricing

Marketing Information Management

Product and Service Management

Entrepreneurship and Finance

Career and Professional Development

Course: Accounting I

Credit: One

Length: Two Semesters

Year Taken: Sophomore through Senior

Textbook: *Accounting Concepts/Procedures/Applications*

Special Requirements/Fees: Workbook - \$26 and a calculator

Accounting is a skill level course that is of value to all students. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, and recording, verifying, and maintaining numerical data involved in financial records. Basic fundamentals and terminology of accounting as well as career opportunities in the accounting field will be stressed. Selected assignments will be completed on computer software. Two projects must be completed in order to receive a passing grade for each semester.

First Semester

Introduction to Accounting

The Basic Accounting Cycle

Mini Practice Sets - App. Activity 1& 2

Second Semester

Accounting for a Merchandising Business

Accounting for a Payroll Business

Accounting for Other Forms of Business Organization

Mini Practice Sets – App. Activity 3 & 4

Ethics in Accounting

Course: Accounting II

Credit: One Credit

Length: Two Semesters

Requirement for Enrollment: Accounting I

Year Taken: Junior or Senior

Textbook: *Glencoe Accounting (Advanced Course) Real-World Applications and Connections*

Special Requirements/Fees: Workbook - \$22 and a calculator

Accounting II is a one credit skill level course that is designed to help students develop a deeper knowledge of the principles of accounting. Students interested in a career in the business world would greatly benefit from this course as it covers in greater depth the accounting cycle for corporations and partnerships. Specialized topics of depreciation, un-collectible accounts receivable, inventory control, and notes payable and receivable are also covered. Many of the applications will be completed on the computer using Peachtree Accounting software. Advanced procedures and terminology of accounting as well as career opportunities in the accounting field will be stressed.

First Semester

Accounting for Special Procedures: Cash Funds

Depreciation of Property and Equipment

Un-collectible Accounts Receivable

Inventories

Notes Payable and Receivable

Accounting for Partnerships

Accounting for Corporations

The Accrual Basis of Accounting

Second Semester

Accounting for Other Forms of Organizations

Departmental Accounting Systems

Branch Accounting

Internal Control and the Voucher System

Manufacturing Accounting

Product Costing

Managerial Cost Control

Cost-Volume Profit Relationships

Using Price Data for Pricing Decisions

COMPUTER EDUCATION

Course: **Introduction to Computer Concepts** – (formerly Keyboarding and Computer Literacy)

Credit: One Half

Length: One Semester

Year Taken: Freshman through Senior

Textbook: *Keyboarding, Formatting and Document Processing and Learning Computer Applications*

This course is designed to initially reinforce student keyboarding skills using the touch method of alphabetic keyboarding then to move into a variety of software applications. Students will be introduced to basic concepts in the Microsoft Office applications. Microsoft Word is used to teach students memo, letter and report styles. Microsoft Excel is used to teach basic spreadsheet applications. Students also prepare presentations using PowerPoint including an original presentation to be shared with the class. Desktop Publishing will be introduced using Microsoft Publisher. Safe appropriate internet usage and effective research techniques will be emphasized.

Alphabetic Keyboarding/Numeric Keypad/Word-Formatting/Documents/Desktop Publishing
Spreadsheets/Presentation Graphics/Internet Tips

Course: **Beginning Programming**

Credit: One Half

Length: One Semester

Requirement for Enrollment: Keyboarding and Computer Literacy

Year taken: Sophomore through Senior

Textbook: *Visual Basic 6.0 Complete Course*

This course is designed as an introduction to programming in Visual Basic 6.0. Students will work through the textbook, completing all practice problems. As they complete each practice program, they will show the teacher that the program works. At the end of each chapter, they will complete the chapter summary and additional exercises.

Comparison of Basic to Visual Basic/Working with Forms/All About Controls/Adding Menus
Working with Variables/Input and Feedback/Loops and Logic/Working with Procedures
Arrays, Dates, and Randomization/Accessing Data/MDI Forms, Modules, and Miscellany Advanced Data
Access/Working with Graphics/Custom Controls/Debugging and Distributing

Course: **Advanced Computer Concepts** – (formerly Computer Concepts and Software Applications)

Credit: One Half

Length: One Semester

Year Taken: Sophomore through Senior

Textbook: *Learning Computer Applications, Projects and Exercises*

This course will expand on the skills students learn in Introduction to Computer Concepts and reinforce the use of these skills in practical, real life situations. Any student planning a career in any area of business or post-high school education will benefit from this course. Microsoft Access will be introduced as well as the integration of the Microsoft Office 2007 applications; Word, Excel, PowerPoint and Publisher. Students will learn advanced concepts in each of these applications such as creating mailing lists using Mail Merge in Microsoft Word, linking a Microsoft Access database to a Word document, working with multi-sheet workbooks in Excel, analyzing data in Excel worksheets and charts; and creating publications using Master pages in Publisher. The appropriate use of email and Internet security issues will also be discussed. A simulation of a workplace situation will allow students to use their skills and the Microsoft Office 2007 suite of applications in a real-world scenario.

ENGLISH

Course: **Language Arts**

Credit: One Half

Length: One Semester

Requirement for Enrollment: Any freshman scoring 13 or below on the EXPLORE Reading subtest will be enrolled in this course.

Year Taken: Freshman

Textbook: *Language of Literature, Elements of Language and Myth: Vol. 1, 2, and 3*

The Language Arts course is an individualized course. The course will support the 9th grade English curriculum and build reading comprehension. The focus of this course is the preparation of the individual student who might be otherwise at risk of not succeeding in 9th grade English curriculum.

Course: **Themes in Literature**

Credit: One

Length: Two Semesters

Year Taken: Freshman

Textbook: *Language of Literature, Elements of Language, Myth: Volumes 1, 2, and Edith Hamilton: Mythology*

Themes in Literature includes reading a variety of literature and using critical thinking skills in writing, speaking, listening and researching. This course will include a variety of writing assignments.

First Semester

Various Short Works from the Anthology

Novel: *Animal Farm*

Writing: Variety of Writing Assignments

Mythology: The Odyssey

Introduction to Research Skills

Second Semester

Various Short Works from the Anthology

Drama: *The Miracle Worker*

Drama: *Romeo and Juliet*

Novel: *A Separate Peace*

Writing: A Response to Literature

Course: **Essentials in Literature**

Credit: One

Length: Two Semesters

Year Taken: Sophomore

Textbook: *Language of Literature and Elements of Language*

Essentials in Literature includes reading a variety of literature and using critical thinking skills in writing, speaking, listening, and researching.

First Semester

Various Short Works from the Anthology

Drama: *Julius Caesar*

Novel: *To Kill a Mockingbird*

Research Skills Review

Second Semester

Various Short Works from the Anthology

Autobiography: *Night*

Legend: Arthurian

Research: Research Paper

Course: **English III** – (formerly Workplace English III)

Credit: One

Length: Two Semesters

Requirements for Enrollment: Successful completion of 9th and 10th grade English requirements and a PLAN Reading subtest score of 14 or below or approval by English Department. Students scoring a PLAN Reading subtest score of 15 and above may not enroll in English III.

Year Taken: Junior

Textbook: *American Literature for Life and Work*, and purchased paperback

This course is the study of American literature at a modified pace. Students will discover ways that literature written in vastly different times and places represents universal thoughts and feelings. A research project is required.

First Semester

Novel: *The Outsiders*

Research Project: 20th Century

American Decades Research

Second Semester

Novel: *Huckleberry Finn*

Novel: *Of Mice and Men*

Play: *Death of a Salesman*

Course: **American Literature**

Credit: One

Length: Two Semesters

Requirements for Enrollment: Successful completion of 9th and 10th grade English requirements

Year Taken: Junior

Textbook: *The Language of Literature: American Literature*, and *Elements of Language*

Special Requirements/Fees: Purchasing of paperback novels

This course employs critical thinking skills in the study and appreciation of the diversity of American literature and in the refinement of writing and language arts skills. The selected works are presented as examples of literary movements throughout American history. The course also requires a research paper.

First Semester

Beginnings of American Literature

Puritanism

Neoclassicism

Romanticism

Transcendentalism

Second Semester

Realism

Naturalism

Modernism

Imagism

Course: **English IV** – (formerly Workplace English IV)

Credit: One

Length: Two Semesters

Requirements for Enrollment: Successful completion of 9th, 10th and 11th grade English requirements and an ACT Reading subtest score of 20 or below. Students scoring an ACT Reading subtest score of 21 and above may not enroll in English IV.

Year Taken: Senior

Textbook: *The Art of the Workplace*, *Prentice-Hall Literature: The English Tradition* and *Elements of Language*

This course will integrate the unique English and communication skills necessary to function in the workplace with British literature. These will include reading, writing, listening, and speaking skills used to enhance communication. Course activities will emphasize workplace communication and technical writing. A research project/paper will be required.

First Semester

Self-Management

Workplace Communication

Career Study

Second Semester

Workplace Writing

Novel Study

Selected Pieces from British Literature

Selected Pieces from British Literature

Course: **British Literature**

Credit: One

Length: Two Semesters

Requirements for Enrollment: Successful completion of 9th and 10th grade requirements and American Literature

Year Taken: Senior

Textbook: *The Language of Literature: British Literature, Prentice–Hall Literature: The English Tradition, and Elements of Language*

Special Requirements/Fees: Students must buy or provide paperback books.

British Literature traces the development of British literature and the English language from the Anglo-Saxon period to the modern English period through the careful study of historical literary movements and selections from those periods. The improvement of rhetoric is emphasized through frequently assigned compositions and a formal research paper. Since this course is designed for the college-bound student, the level of literature and the expectations from the writing assignments are intended to facilitate the student's graduation from high school to college-level fluency in reading and in writing. Reading the assigned selections and completing the writing assignments are mandatory for earning credit for the course. The course also requires a research paper.

First Semester

Anglo-Saxon Literature

Medieval Literature

Renaissance Drama and Sonnets

Contemporary British Novel

Second Semester

Renaissance Poetry and Essays

Seventeenth Century Literature

English Romanticism

Victorian Literature

Contemporary Short Story

Contemporary Novel

Research paper

Course: **Speech Communication**

Credit: One Half

Length: One Semester

Year Taken: Sophomore through Senior

Special Requirements/Fees: Students will be required to purchase a video tape.

Although this course is open to students in the 10th grade, the student should be able to express ideas and participate in class activities with upper class students. This course focuses on communication theory, message preparation, message delivery, and message evaluation. This course will require the student to deliver speeches to the class in groups and individually.

Communication Theory, Listening and Group Discussion, Public Speaking: Narrative,
Information, Process and Persuasion Speeches

Course: **Technical Theater**

Credit: One Half

Length: One Semester

Year Taken: Freshman through Senior

This course focuses on the technical elements of theatrical production. This course will include student projects that will design the sets, costumes, lights, and make up for a play. Students will work on preparatory and/or running crews for Princeton High School theatrical productions.

Script Study, Costume, Lights, Props, Setting, Make-up, and Sound

Course: **Creative Writing**

Credit: One Half

Length: One Semester

Year Taken: Sophomore through Senior

Special Requirements/Fees: Students will provide a computer flash drive.

Students will write extensively, experimenting with a variety of forms. Student works will be read and analyzed through group discussions. They will also be analyzing works of professional writers. A portfolio will be built throughout the class containing student work that is under constant revision until a select few pieces reach publishing status. Publishing opportunities will be available throughout the semester.

Short Stories, Poems, Film, Radio and the Play Scripts, and the Production of Literary Anthology

Course: **Fundamentals of Speech (SPH 1001)** – Illinois Valley Community College E2 course

Credit: 3.0 transferable college semester hours

Requirement for Enrollment: Successful completion of Speech Communications (PHS)

Year Taken: Senior

This is a course in the fundamentals of speech presentation in audience situations with emphasis upon the development of effective research organization, delivery and listening. Students will be responsible for all tuition and fees assessed by Illinois Valley Community College. Students will receive college credit for these courses, not high school credit. This course is taught at Princeton High School. All students are expected to pay approximately \$110 in tuition and purchase textbooks from the IVCC Bookstore.

Course: **Strategies for College (SFC 1000)** – Illinois Valley Community College E2 course

Credit: 2.0 transferable college semester hours

Year Taken: Senior

Strategies for College is a college orientation course designed to assist the student in obtaining the skills and services needed to reach his/her education objectives. Topics include student services, library orientation, time planning, learning style research and application, study and test-taking techniques, communication skills, and personal issues that face many college students. This is an excellent first course for students. Students will receive college credit for these courses, not high school credit. This course is taught at Princeton High School. All students are expected to pay approximately \$110 in tuition and purchase textbooks from the IVCC Bookstore.

FOREIGN LANGUAGES

Course: German I

Credit: One

Length: Two Semesters

Year Taken: Freshman through Senior

Textbook: *Komm Mit, Level I*

Students will begin to develop basic speaking, listening, reading and writing skills. Students will also become acquainted with the culture, geography, and history of German, Austrian and Swiss people through various activities with videos, food, songs, photographs, and other realia.

First Semester

Thematic Units for Vocabulary,
Conversation and Cultural

Understanding: Meeting New People,
Numbers, at school, Time, Dates and
the Weather, Interests, Shopping, Food
Basic Grammar Concepts: Present Tense
Noun Gender and the Nominative and
Accusative Cases, Personal Pronouns,
Word Order, Modal Verbs

Second Semester

Thematic Units for Vocabulary,
Conversation, and Cultural

Understanding: Making Plans, Family,
Clothing, In the city, Christmas/Holiday
Traditions
Basic Grammar Concepts: Present
Perfect Tense,
the Dative Case, Adjectives,
Irregular Verbs

Course: German II

Credit: One

Length: Two Semesters

Requirement for Enrollment: German I

Year Taken: Sophomore through Senior

Textbook: *Komm Mit, Level 2*

Students will further develop the basic speaking, listening, reading, and writing skills begun in German I. They will also continue their study of German culture, geography and history through various multimedia activities. Upon completion of the course, the students should feel comfortable expressing themselves in many day-to-day situations and will have a basic understanding of some aspects of German culture.

First Semester

Thematic Units for Vocabulary
Conversation and Cultural

Understanding: Daily Routines,
Professions, Basic Grammar Concepts:
Review from German I, Reflexive Verbs,
Simple Past Tense, Word Order, Genitive Case
Composition: Personal Letters

Second Semester

Thematic Units for Vocabulary,
Conversation and Cultural

Understanding: At Home, At the
Store, In a Restaurant, At the Bank,
Basic Grammar Concepts: Adjective Endings,
Comparative
Composition: Short Story

Course: **German III**

Credit: One

Length: Two Semesters

Requirement for Enrollment: German II

Year Taken: Sophomore through Senior

Textbook: *Komm Mit, Level 3* and various supplemental texts

Students entering German III should have a strong foundation of German grammar. Students will improve their communication skills with an emphasis on speaking and writing. The students will also begin reading longer passages, such as short stories. Upon completion of the course, students should be able to freely communicate in a variety of situations.

First Semester

Review and Use of Basic Grammar

Advanced Grammar Concepts: Relative

Clauses, Superlative, Conjunctions

School (Cultural Differences), Travel

Geography of Germany – Cities and States

(Commercials & Brochures)

Composition: Create Travel Brochure

Second Semester

Continuation of Basic Grammar Review

Speaking and Role Play Activities using

Advanced Speaking Expressions

Passive Voice, Subjunctive II

Environment, German Fairy Tales

Composition: Create own Fairy Tale

Course: **German IV**

Credit: One

Length: Two Semesters

Requirement for Enrollment: German III

Year Taken: Senior

Textbook: *Komm Mit, Level 3*, and various supplemental texts

Students entering German IV should be able to and feel comfortable in expressing themselves both orally and in writing. The emphasis in this fourth year of German is on listening and reading comprehension. The students will use their speaking and writing skills to communicate and discuss what they hear and read from a variety of authentic materials. As the final project of the course, the students will be expected to produce a written project, as well as an oral performance based upon an aspect of German culture.

First SemesterReview and Use of Grammar, particularly
acquired in German III

Advanced Grammar Concepts: Subjunctive

Listening Comprehension Activities

from Authentic Situations

Speaking activities and Discussions

Study of Media/Technology,

German Music and Musicians

throughout History (Famous Composers as

well as 20th Century Musicians

Poetry

Second Semester

Continuation of Grammar Use and Review

Cultural, Historical and Humorous Readings from the Text

Speaking Activities and Cultural, Historical and

Humorous Discussions, Readings from the Text and a Novel

Study German History and the Impact of WWII on

Germany through German Texts (Short Stories and Excerpts)

Art (including Propaganda, Degenerate Art & Klimt)

Course: Spanish I

Credit: One

Length: Two Semesters

Year Taken: Freshman through Senior

Textbook: *Realidades 1*

Completion of Spanish I will provide students with a very basic understanding and ability to express themselves in Spanish through various classroom activities, including listening and repeating exercises, responding orally and in writing, practicing grammar, reading aloud, and various cultural activities. The textbook provides the opportunity to do interactive learning online.

First Semester

Preliminary Chapter/Meetings & Greetings

School Day and Classes

Food and Maintaining Health

Pastimes and After-School Activities

Second Semester

Family and Special Occasions

Restaurant/Ordering Food

Home and Home Life

Shopping and Currency

Course: Spanish II

Credit: One

Length: Two Semesters

Requirement for Enrollment: Spanish I

Year Taken: Sophomore through Senior

Textbook: *Realidades 2*

Upon completion of Spanish II, students will have a greater understanding of spoken and written Spanish and will attain the ability to express themselves more fully in the Spanish language. Students will improve their listening, speaking, reading and writing skills through various classroom activities, including practicing grammar, repeating exercises and conversation, reading aloud, playing games, performing skits, and learning about Hispanic culture. The textbook provides the opportunity to do interactive learning online.

First Semester

School Day and Classes

Special Events and Clothing

Community Activities

Growing Up/Celebrations

Second Semester

In the News

Television and Movies

Food and Cooking

Travel

Course: Spanish III

Credit: One

Length: Two Semesters

Requirement for Enrollment: Spanish II

Year Taken: Sophomore through Senior

Textbook: *Realidades 3*

Upon completion of Spanish III, students will be able to understand and express themselves in Spanish in a wide variety of human experiences. Students will demonstrate this ability in written and oral expression using basic and advanced grammar structures. Students will accomplish these objectives through various classroom activities, including writing, more extensive and fluid dialog, and cultural enrichment. The textbook provides the opportunity to do interactive learning online.

First Semester

Unforgettable Days

Arts and Artists

Health: Symptoms, Remedies,

Nutrition, Cultural Perspectives on Health

Maintaining Relationships in

Different Cultures

Second Semester

Work and the Community

What the Future Will Bring

Myth or Reality?

Extraordinary Phenomenon

Interaction of and Fusion of

Different Cultures

Course: **Spanish IV**

Credit: One

Length: Two Semesters

Requirement for Enrollment: Spanish III

Year Taken: Senior

Textbook: Excerpts from various texts will be provided

Special Requirements/Fees: Students must purchase a good quality Spanish/English dictionary, including translations as well as idioms.

Students in Spanish IV will be able to communicate in Spanish with native speakers in a wide variety of experiences, within the range of vocabulary and structure learned. They will focus on listening comprehension, verbal mastery, and reading objectives. Students will accomplish these objectives through various methods, including speaking in Spanish whenever in the classroom, expressing themselves orally with increasing speed, reading short stories, and novels, writing compositions on various themes, watching Hispanic movies, and giving oral and technological presentations.

First Semester

Short Stories

Grammar Review Booklets

Portfolio Writings

Second Semester

Hispanic Artists Presentations

Novel: *Rosaura a las diez*

Portfolio Writings

Autobiography

This page is intentionally left blank for Math Chart.
See attachment on Shared Files Link for the Chart

MATH

Course: **Algebra Essentials**

Credit: One Elective Credit

Length: Two Semesters

Requirement for Enrollment: Any freshman scoring 13 or below on the EXPLORE Math subtest will be enrolled.

Year Taken: Freshman

Special Requirements/Fees: Minimum of a scientific calculator

Algebra Essentials will review fundamental algebra concepts and will be taught utilizing a computer based program called ALEKS. The emphasis is to develop essential math skills and provide assistance while students are enrolled in Algebra 1.

Course: **Algebra I**

Credit: One

Length: Two Semesters

Year Taken: Freshman

Textbooks: *Algebra I*

Special Requirements/Fees: Minimum of a scientific calculator or graphing calculator

Algebra I is a year long course stressing the importance of clear and logical solutions to problems. It is the study of operations and relations among numbers through the use of variables. Emphasis is placed on the number system especially the set of real numbers, and the properties that are used with real numbers. The idea of a variable is introduced and clarified, and equation solving with the use of both one and two variables is stressed.

First Semester

Expressions, Equations, and Functions

Rational Numbers

Solving Linear Equations

Solving Linear Inequalities

Proportions

Graphing Relations and Function

Second Semester

Analyzing Linear Equations

Systems of Linear Equations and Inequalities

Polynomials

Factoring

Rational Expressions and Equations

Radical Expression and Equations

Course: **Informal Geometry**

Credit: One

Length: Two Semesters

Requirement for Enrollment: Algebra I Part 2

Year Taken: Sophomore

Textbook: *Geometry*

Special requirements/Fees: Scientific calculator that can do fractions

This is a geometry course nearly as rigorous as the regular Geometry, but with the emphasis on problem solving and application problems with minimal formal proof. Some review of algebra skills will be done with development of new skills. The logic and reasoning abilities of students will also be developed in problem solving. This course is not intended for the above average Algebra I student.

First Semester

Tools of Geometry

Reasoning and Proof

Parallels and Perpendicular Lines

Congruent Triangles

Relationships with Triangles

Second Semester

Quadrilateral

Similarity

Right triangles

Area

Surface Area and Volume

Transformations

Course: **Geometry**

Credit: One

Length: Two Semesters

Requirement for Enrollment: Algebra I

Year Taken: Sophomore

Textbooks: *Geometry*

Geometry is a course that is designed to develop the logic and reasoning abilities of the student. The students develop skills to solve problems, and maintain their algebraic skills. They also will develop skills in organizing and composing 2-column proofs through the use of definitions, theorems and postulates.

First Semester

Tools of Geometry

Reasoning and proof

Parallels and Perpendicular Lines

Congruent Triangles

Relationships with Triangles

Second Semester

Quadrilateral

Similarity

Right triangles

Area

Surface Area and Volume

Transformations

Course: **Advanced Geometry** – (formerly Geometry with Basic Trigonometry)

Credit: One

Length: Two Semesters

Requirement for Enrollment: Algebra I

Year Taken: Freshman or sophomore with teacher recommendation

Textbook: *Geometry*

This is a course emphasizing the development of students' logic and reasoning abilities. The students will develop skills in problem solving while maintaining and improving their algebraic skills. The course is designed for students willing and able to do rigorous, high level work in mathematics. Student learning will take place in a discovery setting that will include the use of projects, group learning, and various other methods.

First Semester

Tools of Geometry

Reasoning and Proof

Parallels and Perpendicular Lines

Congruent Triangles

Relationships with Triangles

Quadrilateral

Second Semester

Similarity

Right triangles and Trigonometry

Area

Surface Area and Volume

Transformations

Circles

Course: **Algebra II**

Credit: One

Length: Two Semesters

Requirements for Enrollment: Algebra I and Geometry equivalent or concurrent with Geometry

Year Taken: Sophomore or Junior

Textbooks: *Algebra II with Trigonometry*

Special Requirements/Fees: Scientific calculator but graphing calculator highly recommended

The course is enriched with sound mathematical problems that will be helpful for the students who take mathematics in college.

First Semester

Real Numbers and Equations

Equations and Inequalities

Functions and Graphs

Systems of Equations and Inequalities

Second Semester

Rational Expressions

Irrational and Complex Numbers

Quadratic Function

Conic Sections

Course: **Advanced Algebra II with Trigonometry** – (formerly Algebra II with Trigonometry)

Credit: One

Length: Two Semesters

Requirement for Enrollment: Geometry with Basic Trigonometry

Year Taken: Sophomore or Junior with teacher recommendation

Textbook: *Algebra II with Trigonometry, Trigonometry*

Special Requirements/Fees: Scientific Calculator (graphing calculator)

Advanced Algebra II with Trigonometry is a course emphasizing the development of algebraic and reasoning abilities. Students will develop skills in algebra while improving problem solving skills. In addition to covering the Algebra topics at a faster pace and in more depth, the course will include all of the topics normally covered in Trigonometry. This course is designed for students able to benefit from rigorous, high level mathematics.

First Semester

Review of Algebra I Concepts

Linear Functions and Relations

Systems of Linear Functions

Polynomials & Rational Expressions

Irrational and Complex Numbers

Quadratic Functions

Second Semester

Conic Sections

Trigonometric Functions

Analytic Trigonometry

Additional Topics in Trigonometry

Course: **Trigonometry with Analytical Geometry** - (formerly Trigonometry with Advanced Topics)

Credit: One

Length: Two Semesters

Requirement for Enrollment: Algebra II

Year Taken: Junior or Senior

Textbook: *Pre-Calculus with Limits: A Graphing Approach*

Special Requirements/Fees: Graphing TI- 84 Calculator

Trigonometry with Analytical Geometry is a two-term course that can be taken as a final course in a four year mathematics program or as a prerequisite to Pre-Calculus.

First Semester

Functions and their Graphs

Polynomial and Rational Functions

Exponential and Logarithmic Functions

Second Semester

Trigonometric Functions

Analytic Trigonometry

Additional Topics in Trigonometry

Topics in Analytic Geometry

Course: **Pre-Calculus and Statistics** – This is a new course in 2010-2011.

Credit: One

Length: Two Semesters

Requirement for Enrollment: Trigonometry with Advanced Topics

Year Taken: Seniors

Textbook: *Pre-Calculus with Limits: A Graphing Approach*, and *Statistics and Probability in Modern Life*

Special Requirements/Fees: Graphing TI- 84 Calculator

The course is an extension of topics in previous math courses with an introduction of several new topics. The major emphasis is to make certain that the student's math background is sufficient for entering college.

First Semester

Linear Systems and Matrices

Sequences and Series

Analytic Geometry in Three Dimensions

Limits and an Introduction to Calculus

Second Semester

Statistics

Probability

College Placement Test Preparation

Course: **Advanced Pre-Calculus** – (formerly Pre Calculus with Analytical Geometry)

Credit: One

Length: Two Semesters

Requirement for Enrollment: Algebra II with Trigonometry

Year Taken: Junior

Textbook: *Pre-Calculus with Limits: A Graphing Approach*

Special Requirements/Fees: Graphing TI- 84 Calculator

Advanced Pre-Calculus is a course emphasizing the development of skills in reasoning through use of Analytical Geometry and Pre-Calculus topics. The students will utilize their skills in Algebra, Geometry, and Trigonometry through integration with topics from Analytical Geometry and Pre-Calculus. The course is designed for students willing and able to benefit from rigorous, high level mathematics.

First Semester

Functions and their Graphs

Polynomial and Rational Functions

Exponential and Logarithmic Functions

Linear Systems and Matrices

Second Semester

Sequences, Series, and Probability

Topics in Analytical Geometry

Analytic Geometry in Three Dimensions

Limits and an Introduction to Calculus

Course: **Calculus**

Credit: One

Length: Two Semesters

Requirement for Enrollment: Pre-Calculus with Analytical Geometry

Year Taken: Senior

Textbook: *Calculus*

This course is designed to prepare our students to compete successfully at the college level in Mathematics. We will cover all of the material normally covered in a first course in Calculus and some of the material covered in a second course. The topics covered are as follows:

First Semester

Review of Concepts

Limits

Differentiation

Second Semester

Applications of Differentiation

Integration and Applications

Transcendental Functions

Course: **Calculus & Analytical Geometry I (MTH 2001)** – Illinois Valley Community College E2 course

Credit: 5.0 transferable college semester hours

Requirements for Enrollment: Successful completion of Calculus (PHS), and an appropriate score on the ACCUPLACER placement test.

Year Taken: Senior

This course is the first in a three-semester sequence of analytic geometry and calculus. Topics include real numbers, lines, circles, conics, functions, limits, derivative and anti-derivative with applications, transcendental functions and the definite integral with applications. Students will receive college credit for this course, not high school credit. This course is taught at Princeton High School. All students are expected to pay approximately \$110 in tuition and purchase textbooks from the IVCC Bookstore.

MUSIC

Course: **Chamber Choir**

Credit: One

Length: Two Semesters

Requirement for Enrollment: Entry Level Vocal Skills

Year Taken: Freshman through Senior

Special Requirements/Fees: Participation Fee and Festival Fees

The objective of Chamber Choir is to provide an entry-level choir for all new students and a continuing choir for returning choir students. It establishes the foundation for lifelong artistic expression through the choral art. Its music activities require the development of critical thinking in evaluation of rehearsal and performance; participation develops leadership skills through the total rehearsal to performance process.

The class content for this elective choir provides experience in singing multi-part choral music in a wide variety of literature representing the rich cultural heritage and broad scope of musical styles current in modern society. Basic vocal skills, choral techniques, concepts, expressive qualities of music are discussed, experienced and demonstrated during rehearsal and performance. Students may participate in IHSA State Music Solo/Ensemble Contest with permission of instructor.

Course: **Concert Choir**

Credit: One

Length: Two Semesters

Requirements for Enrollment: Skills beyond the entry level determined by audition

Year Taken: Sophomore through Senior

Special Requirements/Fees: Participation Fee and Festival Fees

The objective of this elective, advanced choir is the same as for the entry level choir, but the environment is for the more experienced choral student who has demonstrated advanced vocal/choral skills and musical development through the audition process. Audition includes: Prepared selection sung a cappella, demonstration of sight-singing, tonal skills and tonal memory.

The class content provides experiences in singing advanced multi-part choral literature, including work in foreign languages; continued study of music concepts and understandings. Members of this choir are eligible to audition for IMEA II All-District/ All-State choirs, small choral ensembles in the spring for the following school year. Students may participate in IHSA State Music Solo/Ensemble Contest with permission of instructor, and are eligible for nomination to the NCIC Music Festival Honor Chorus with permission from the instructor. Musical units follow the same format as Chamber Choir, but a more advanced level.

Course: **Beginning Band**

Credit: One

Length: Two Semesters

Year Taken: Freshman through Senior

Textbooks: *Standard of Excellence* and *Winning Rhythms*

Special Requirements/Fees: Must have access to a band instrument and purchase method book

The objective of this course is to provide interested students the opportunity to learn to play a band instrument. This course is designed for students who do not have previous band experience or who would like the opportunity to learn to play a secondary instrument if they are already involved in instrumental music. An instrumental music education environment enhances student learning by establishing a foundation for lifelong artistic expression. By the end of this course, students should have developed enough musical skills to be able to participate in the regular band class.

Course: Band

Credit: One

Length: Two Semesters

Requirements for Enrollment: Elementary or Junior High Band or consent of the instructor

Year Taken: Freshman through Senior

Special Requirements/Fees: Participation Fee; Individual Instrumental Needs

The objective of Band is to provide a positive musical environment, in which the student increases his or her individual musical and instrumental skills, while playing in a large ensemble. Through this environment, students will establish a foundation for life-long musical and artistic expression. The musical activities in this course require critical thinking in evaluation of both rehearsal and performance, as well as the development of leadership skills through the rehearsal to performance process.

This class includes participation in marching, concert and pep band at a variety school and community functions throughout the school year. Daily activities include small group work, sectional work and full band rehearsals. Small instrumental groups/jazz ensembles are offered through invitation and/or audition.

Course: Percussion Ensemble

Credit: One

Length: Two Semesters

Requirements for Enrollment: Elementary or Junior High Band or consent of the instructor

Year Taken: Freshman through Senior

Special Requirements/Fees: Participation Fee; Practice Pad, Snare Sticks, and method book.

The objective of Percussion ensemble is to provide an educational environment in which percussionists can increase their musical skill while playing both in a small and large ensemble setting. This class affords percussion students the opportunity for individual attention and instruction on each of the many percussion instruments, including mallets, timpani, Latin percussion, drum set, marching percussion, snare drum, and auxiliary percussion instruments. Through this instrumental music education environment, student learning is enhanced by establishing a foundation for life-long artistic expression. This class includes participation in marching, concert and pep band at a variety school and community functions throughout the school year. The musical activities in this course require critical thinking in evaluation of both rehearsal and performance, as well as the development of leadership skills through the rehearsal to performance process.

Percussion Ensemble students perform with the full band at all concerts and events, as well as performing in their own percussion ensemble.

Course: Piano Keyboard Skills I

Credit: One Half

Length: One Semester

Year Taken: Freshman through Senior

Textbooks: *Piano for Adults*

Special Requirements/Fees: Purchase of a piano method book

The purpose of this course is to provide the opportunity for an interested student to become familiar with the piano keyboard, learn basic piano keyboard skills, the principles of music notation and musicianship, and develop facility in playing the piano at a beginning to intermediate level. Culminating activities include end-of-semester class recital.

The course is designed for the student with no previous piano background, but with an interest in learning to play. However, students with minimal experience might find this course beneficial.

An Introduction to the Piano (learn how to begin)
Music Notation – to develop Music Reading Ability in Order to be Able to Play
Harmonizing Melodies and Music Theory

Course: **Piano Keyboard Skills II**

Credit: One Half

Length: One Semester

Requirements: Piano Keyboard Skills I or permission of instructor

Year Taken: Freshman through Senior

Textbooks: *Piano for Adults Book 2*

Special Requirements/Fees: Purchase of a piano method book

The purpose of this course is to provide opportunity for interested students to continue development of piano keyboard skills, study of principles of music notation, musicianship, music theory, conceptual understandings, and develop facility in playing the piano at an intermediate level. The content covered is intermediate piano keyboard technique, music reading, and literature exploration, level 2 key signatures, major/minor scales and chords organization. While learning these musical technical skills, students play piano selections designed as teaching tools as well as music by the great classical masters, American classical popular composers, and non-western folk music. Culminating activities include an end-of-semester class recital.

Continued Keyboard Technique

Music Notation – to further develop Music Reading ability for Two Hand Playing Skills
Intermediate Skills in Harmonizing Melodies and Music Theory Understandings

Course: **Voice Class**

Credit: One Half

Length: One Semester

Requirements or Enrollment: Consent of the instructor required.

Year Taken: Freshman through Senior

Textbooks: *Basics of Singing*

Special Requirements/Fees: Students must purchase a notebook and individual copy of chosen songs for performance.

The purpose/objective of this course is to provide opportunity of interested students to study voice as an instrument with applied vocal techniques and solo voice literature studied in a group situation. The course is designed for the student interested in singing, to acquire skill and knowledge in the areas of vocal technique, voice physiology, and solo voice literature – including the Art Song, Folk Song and Broadway Songs. Culminating activities include end-of-semester class recital. Previous choral experience recommended. This is a performance-based course.

You're Body/The Voice/The Instrument

Basic Music Notation/Vocal Technique/Vocal Literature
Group Singing/Solo Singing/Voice Recital Concert

Course: **Music Survey from Renaissance to Rock**

Credit: One Half

Length: One Semester

Year Taken: Freshman through Senior

Textbooks: Workbooks on Music History and Notation

Special Requirements/Fees: Participation Fee and Festival Fees

The objective of this course is to provide an introduction to the basic principles of musical notation, introduction to fundamental music concepts, provide a general outline of music history-Renaissance through Rock, Rap, and Contemporary periods,- and to provide students with an understanding of the way music has fit into and influenced society and world cultures, from past to present. This is a non-performance based course.

The class will include the following:

Beginning Notation/Fundamental Music Concepts

Demonstration of Instruments and the Voice

Score-Order/Music Technology

Music History/Individual and/or Group Projects of Music Exploration and Sharing

Attendance at a Performance

Course: **Foundations of Music Theory**

Credit: One Half

Length: One Semester

Requirements for Enrollment: Band or Choir or the completion of Music Survey, Piano I, Piano II, or Voice Class.

Year Taken: Freshman through Senior

Textbooks: *Essentials of Music Theory*

Special Requirements/Fees: Purchase of a method book, textbook and workbooks approximately \$13.00

The purpose of this class is to introduce students to the theoretical foundations of music. The course is designed for those students currently enrolled in the concert band, concert choir, or chamber choir who wish to learn more about music theory and composition. This is a non- performance based course.

Basic Intervals/Construction of Major Scales/Intervals/More Scales/Triads
Seventh Chord/Chord Progressions/Melodic Harmonization/ Ear training
Melodic and Harmonic Dictation

Course: **Jazz Improvisation** - This course will not be offered 2010-2011. It will be offered in 2011-2012.

Credit: One Half

Length: One Semester

Requirements for Enrollment: Currently enrolled in band, concert choir, or chamber choir

Year Taken: Freshman through Senior

Special Requirements/Fees: Students need to have a CD player at home to play along with Jamey Abersold's Accompaniment CD.

The purpose of this course is to teach students the elements of jazz improvisation through theory, listening, and playing/singing.

Swing Style/Jazz Scales/12 Bar Blues/Improvising/Creating Melodies

Course: **Music History in Western Culture** - This course will not be offered 2010-2011. It will be offered in 2011-2012.

Credit: One Half

Length: One Semester

Requirements for Enrollment: Consent of instructor; prior enrollment in Music Survey is strongly recommended.

Year Taken: Freshman through Senior

Textbooks: *Music, An Appreciation*

Special Requirements/Fees: TBA

The purpose of this course is to provide the opportunity for an in depth look at the history of music in our world and to acquire an appreciation for it. The emphasis will be placed on Western Culture from the medieval period to the present. This course is designed for students who have taken the Music Survey course and wish to learn more about the history of music in western culture. This is a non-performance based course.

Medieval Period/Renaissance/Baroque/Classical/Romantic/Twentieth Century- to Present

PHYSICAL EDUCATION, HEALTH AND DRIVER EDUCATION

Course: **Physical Education**

Credit: One

Length: Two Semesters

Year Taken: Freshman – Senior

Special Requirements/Fees: Must purchase Princeton P.E. uniform, PHS issued padlock, and gym shoes for P.E. class only. Daily fee required for bowling.

A varied and comprehensive program is offered in order to teach the following fitness components: muscular strength, muscular endurance, cardio-respiratory capacity and flexibility. Various activities will also improve a student's agility, balance, coordination, power, reaction time and speed. Emphasis is on sports, fitness activities and dance. Students are required to wear heart rate monitors to measure and record heart rate during fitness days. All students will participate in pre and post fitness testing at the beginning and end of each semester. The tests will measure cardio-respiratory endurance (mile or pacer test); muscular strength and endurance (sit-up and push-up tests); flexibility (sit and reach test); and body composition (height and weight). Students are to strive to maintain or improve upon fitness scores from the beginning of the semester to the end by participating in daily activities. Students will be graded accordingly.

Cardiovascular Training - Running, Jump Rope, Step Aerobics, and TaeBo.

Dance - Line Dancing, and Social Dancing.

Strength Training - Weight Training, Plyometrics, and Circuit Training.

Individual Sports - Archery, Badminton, Bowling, Canoeing, Golf, Pickle Ball, and Tennis.

Team Sports - Basketball, Flag Football, Field Hockey, Lacrosse, Soccer, Softball, Speed-a-Way, Ultimate Frisbee, Team Handball, Track and Field, and Volleyball.

Students are given the opportunity to sign up for Athletic Physical Education, which focuses on various forms of Physical Strength Training, Agility, Flexibility, Power, Speed and Coordination.

Course: **Health Education**

Credit: One Half

Length: One Semester

Year Taken: Sophomore

Textbook: *Lifetime Health*

This class focuses on health related issues that have a major impact on a person's level of wellness. Through the various topics discussed, the students will have the educational background needed in order to make better decisions regarding their health status.

Self Responsibility for Wellness, Mental and Emotional Health, Fitness, Nutrition,
Alcohol and Other Drugs, Relationships, Human Sexuality, and Sexually Transmitted Infections.

Course: **Driver Education**

Credit: None

Length: One Semester

Requirement for Enrollment: Student must be fifteen years of age

Year Taken: Sophomore and Freshman who are 15 years old on or before September 1st

Textbooks: *Let's Drive Right* and *Illinois Rules of the Road*

Special Requirements/Fees: \$50.00 PHS Fee (Additional \$20.00 fee payable to the Secretary of State)

The Driver Education program is a two-phased program consisting of the state mandated 30 hours classroom and twelve hours in car instruction. These two phases run concurrently for one semester. Upon successful completion of the classroom phase, the student will demonstrate the basic knowledge of Illinois Rules of the Road, laws of nature and the social and physical skills necessary for safe interaction between the driver and other roadway users.

Upon successful completion of the behind the wheel phase, the student will be able to interact with other roadway users in a legal, safe and efficient manner. The student will be able to perform the basic maneuvers of parking, driving in town, rural areas, and expressways under a variety of roadway and weather conditions.

This page is intentionally left blank for the Science Chart.
See attachment on Shared Files Link for the Chart

SCIENCE

Course: **Earth Science**

Credit: One

Length: Two Semesters

Year Taken: Freshman or Sophomore

Textbooks: *Earth Science: Geology, the Environment, and the Universe*

Special Requirements/Fees: \$15.00 lab fee and a 1.5" 3-ring binder

This course provides students with an understanding of their physical surroundings and the relationship that exists between these surroundings and humans. Major concepts of astronomy, meteorology, geology and an environmental water unit are explored. Student involvement includes independent and small group work, some of which include laboratory investigations. This course is considered college-preparatory and may precede Biology, Chemistry, and Physics.

First Semester

Water Conservation

Plate Tectonics

Volcanoes

Earthquakes

Mountains

Second Semester

The Atmosphere

Weather

Storms

Sun, Earth, and Moon

Planets, Stars and Galaxies

Course: **Biology**

Credit: One

Length: Two Semesters

Year Taken: Freshman through Senior

Textbooks: *Modern Biology*

Special Requirements/Fees: \$15.00 lab fee and a 1.5" 3-ring binder

This course will present the ideas of modern biology, which form the foundation for the biological sciences. Learning activities will involve lecture, laboratory work, and discussion/group participation by the student. Topics discussed will include basic biological concepts, chemistry, biochemistry, cellular structure and function, energetics of photosynthesis and cellular respiration, molecular and Mendelian genetics, evolution, ecology, and plants.

First Semester

Biological Concepts

Chemistry

Biochemistry

Cell Biology

Photosynthesis and Cellular Respiration

Genetics - Part I

Second Semester

Genetics – Part II

DNA, RNA, and Protein Synthesis

Biotechnology

Evolution and Natural Selection

Ecology

Plant Kingdom

Course: **Chemistry**

Credit: One

Length: Two Semesters

Requirement for Enrollment: Algebra I

Year Taken: Sophomore through Senior

Textbooks: *Modern Chemistry*

Special Requirements/Fees: Lab fee \$15.00, 3 ring binder, and calculator

Chemistry presents a sound treatment of the principles of chemistry involved with the structure and composition of matter. Throughout the course the student is encouraged to think independently. Content is frequently presented which requires original reasoning and a thorough understanding of the subject matter. Laboratory activities are utilized to facilitate an understanding of chemical principles.

First Semester

Matter and Change

Measurement and Calculations

Atoms: Building Blocks of Matter

Arrangement of Electrons in Atoms

The Periodic Law

Chemical Bonding

Chemical Formulas and Chemical

Compounds

Second Semester

Chemical Equations and Reactions

Stoichiometry of Equations

Liquids and Solids

Physical Characteristics of Gases

Molecular Composition of Gases

Solutions

Ions in Aqueous Solutions

Acids and Bases

Course: **Physics**

Credit: One

Length: Two Semesters

Requirements for Enrollment: Algebra I and Geometry or consent of instructor

Year Taken: Junior or Senior

Textbooks: *Conceptual Physics*

Special Requirements/Fees: \$15.00 lab fee

Many of the topics listed below are illustrated by specially selected laboratory and problem solving exercises included within the text. Major emphasis of the course is directed toward the development of logical thinking and self-reliance that will enable the student to pursue learning on their own.

First Semester

Velocity

Acceleration

Vectors

Projectile Motion

Newton's Laws of Motion

Second Semester

Impulse & Momentum

Energy & Machines

Circular Motion

Torque

Special Theory of Relativity

Course: **Advanced Physics**

Credit: One

Length: Two Semesters

Requirements for Enrollment: Two credits of lab science including Physics

Year Taken: Junior or Senior

Textbooks: *Modern Physics*

Special Requirements/Fees: \$15.00 lab fee

This course is a study of more advanced concepts not covered in the 1st year Physics course. This course is a blend of topics from the textbook as well as introductory engineering projects. Projects can include roller coasters, trebuchets, mousetrap cars, rube-goldberg devices, etc. This class uses contemporary laboratory equipment emphasizing data analysis. Outside work and field trip are also part of the curriculum.

First Semester

Simple Harmonic Motion & Waves

Sound & Light

Reflection

Projects

Second Semester

Refraction

Diffraction & Interference

Nuclear Physics

Projects

Course: **Biotechnology** - This course will not be offered in 2010-2011. It will be offered in 2011-2012.

Credit: One

Length: Two semesters

Requirements for Enrollment: Biology and Chemistry

Year Taken: Junior or Senior

Textbooks: *BIOTECHNOLOGY-Science for the New Millennium*

Special Requirements/Fees: \$15.00 lab fee, and a 3-ring binder

Biotechnology relates to the techniques that use living organisms to solve problems or make products by utilizing an understanding of the DNA molecule. The course will provide extensive laboratory techniques and activities in the area of DNA science.

First Semester

Introduction to Biotechnology

History of DNA

Cellular Energetics

Physical and Chemical Characteristics
of the DNA Molecule

DNA Replication

Second Semester

Protein Structure/Synthesis

DNA Mutation and Recombination

The Mechanism and Regulation of Gene Expression

Recombinant DNA Techniques /Genetic Engineering

Molecular Basis of Cancer, Application of Biotechnology to
Society

Ethical Concerns

Course: **Advanced Chemistry** - This course will be offered in 2010-2011. It will not be offered in 2011-2012.

Credit: One

Length: Two Semesters

Requirements for Enrollment: Two courses in lab science; one must be Chemistry.

Year Taken: Junior or Senior

Textbooks: *Modern Chemistry* and *Criminalistics*

Special Requirements/Fees: \$15.00 lab fee, and a 3-ring binder

This is a research inquiry based course centering upon studies of nuclear chemistry, organic and polymer chemistry, qualitative and quantitative laboratory investigations using micro-scale/nanotechnology, laboratory methods of consumer analysis, and a unit of chemistry applied to criminology.

First semester

Organic and Polymer Chemistry

Nuclear Chemistry

Separation/Chromatography

Microscale/Nanotechnology Investigations

Second Semester

Consumer Product Analysis

Forensic skills-

-Fingerprints

-Document Analysis

-Hair Analysis

-Soil Analysis

-Drug Analysis

Course: **Human Anatomy & Physiology** – This is a new course for 2010-2011. It will not be offered in 2011-2012.

Credit: One

Length: Two Semesters

Requirements for Enrollment: Biology and Chemistry

Year Taken: Junior or Senior

Textbooks: *Anatomy and Physiology: The Unity of Form and Function*

Special Requirements/Fees: Lab fee TBD based upon enrollment and a 1.5" 3-ring binder

Human Anatomy and Physiology refines the basic concepts which were introduced during Biology and Chemistry while extending into the structure and function of the human body. The course will include cytology, histology, human genetics, and the systems of the human body including the integumentary, skeletomuscular, cardiovascular, respiratory, digestive, excretory, nervous, endocrine, lymphatic and reproductive systems. Laboratory skills related to the biological field and medical profession along with necessary technical medical vocabulary will be stressed. Students will explore the human body through laboratory investigations, dissections, models, and diagrams. Students will be assessed through participation, homework, quizzes, tests, labs, and dissections. Depending on time (and interest), the urinary, endocrine, and digestive systems, along with nutrition, may be addressed. Human Anatomy and Physiology is an intensive lecture and laboratory course, which was created for students interested in pursuing a career in a medical or science related field. Students will be required to participate in all dissection labs.

First Semester

Major Themes of Anatomy and Physiology

Chemistry, Cells, and Genetics (Review)

Histology

The Integumentary System

Bone Tissue and the Skeletal System

Joints

Muscular Tissue and the Muscular System

Second Semester

Nervous Tissue and Somatic Senses

The Brain and Sense Organs

The Circulatory System

The Heart

The Lymphatic System

The Respiratory System

Reproduction and Human Development

Course: **Health Occupations I and Health Occupations II - Area Career Center**

Credit: Two

Length: Two Semesters

Year Taken: Beginning with the Junior year - Seniors with guidance approval

Special Requirements/Fee: Application and approval from the Guidance Department - Attendance, academic record and personal motivation are key factors in the selection process.

Students will be introduced to many health-related careers through this course. If the student enrolls at ACC as a junior, she/he can get their Certified Nurse's Aide certificate in one school year. The student will get credit through Illinois Valley Community College and fulfill the Certified Nurse's Aide requirement of the Illinois Valley Community College Nursing program. If a student returns to ACC for the senior year, she/he can earn 3 credits in the Illinois Valley Community College Medical Terminology course.

All classes carry two academic credits a year. Students apply for these programs through the guidance department and must visit the program through a school field trip prior to attending. These programs are two years in length; it is recommended students start attending the Area Career Center at the beginning of the junior year. Students are transported to the Area Career Center from Princeton High School by bus leaving at approximately 9:30 a.m. and returning to campus at 12:15 p.m.

SOCIAL STUDIES

Course: **World Geography**

Credit: One Half

Length: One Semester

Year Taken: Freshman through Senior

Textbooks: *World Geography*

World Geography deals with location, the physical and cultural characteristics of a place, movement, and regions. The units of study will also include small topical studies of population, energy, environment, and poverty. Students will concentrate on basic map skills and geographic reference materials. They will analyze and use a variety of maps (political, physical, elevation, cross section, and topographic). Social Studies skills taught and reinforced include analyzing graphs, charts, tables, and political cartoons, organizing ideas, and distinguishing fact from opinion.

Geography Skills, Themes of Geography, Earth's Atmosphere and Climate,
Global Landforms, Global Cultures, Global Resources and Environment, Global Economics, and Population

Course: **Regional Geography**

Credit: One Half

Length: One Semester

Year Taken: Freshman through Senior

Textbooks: *World Geography*

Regional Geography is a continuation of the concepts of World Geography. It uses geographical themes to focus on Sub-Saharan Africa, Europe, and South Asia. The regional units will cover the landforms, climate, culture, history and economics of each area. Each area of study will require the completion of an involved plan to travel through the region.

Europe, Africa, and South Asia

Course: **World History: Socrates to Napoleon**

Credit: One Half

Length: One Semester

Year Taken: Freshman through Senior

Textbook: *World History: Continuity and Change*

World History is presented both from a chronological narrative and a topical point of view. Central to the course is Renaissance life and thought. Greek influences are examined, as are those of the Middle Ages. The themes covered during this time period are political and governmental developments, economic developments, the growth of science and technology, the effects of contacts between cultures, and the influence of art and music. Material will be presented from the text, articles, art work, music, and video. The emphasis of the course will be to enable college-bound students to understand and analyze events/movements of history and draw comparisons with events/movements shaping our modern world.

Greece and Rome, The Late Middle Ages, The Renaissance, The Reformation, European Exploration, Monarchies,
Enlightenment, Scientific, Revolution, The French Revolution, and The Napoleonic Era

Course: **World History: Napoleon to the World Wars**

Credit: One Half

Length: One Semester

Year Taken: Freshman through Senior

Textbooks: *World History: Continuity and Change*

This semester course, presented from both a chronological-narrative and topical point of view, begins with Napoleon's downfall in the early 1800s and concludes with World War II in 1945. There will be strong emphasis on WWI and the Holocaust before and during WWII. The themes covered during this time period are political/governmental developments, economic developments, the growth of science and technology, the effects of contacts between cultures, and the influence of art and music. Material will be presented from the text, articles (historical and current), artwork, music, and video. The emphasis of the course will be to enable college-bound students to understand and analyze events/movements of history and draw comparisons with events/movements shaping the modern world.

Revolutions of the 1800s, the Industrial Revolution, Social Change--1800s,
Growth of Democracy, Growth of Nationalism,
World War I, Post World War I and Totalitarianism, and World War II

Course: **Modern History I: The Post-World War II**

Credit: One Half

Length: One Semester

Recommended but not required for enrollment: Completion of 2nd Semester American History, A.P. American History, or World History: Napoleon to World War II

Year Taken: Sophomore through Senior

This course is intended to meet student requests for an additional history class with specific emphasis on modern times. The Vietnam War, the Gulf War, Iran-Iraq and other Middle East issues, etc., will be investigated, as well as global concerns such as the economic crisis, disease and its impact on the modern world, pollution and third-world countries, etc. The influence of cataclysmic events such as WWII and the dropping of the atomic bomb will be examined, as will the progression of America's involvement in the international affairs. Current events will be addressed, as well. Requirements will include papers, a formal research paper, interviews, and reading assignments. Critical thinking, team building, communication, decision making, and leadership skills will be enhanced by self-directed study and team presentations; technology will be used as part of the research process.

The Post-World War II World/Modern Africa, Asia /Disease and Society
The Vietnam War/The Gulf War/The Fall of Communism/The Cold War/The Space Age/Race

Course: **Modern History II** - This course will be offered in 2010-2011. This course will not be offered in 2011-2012

Credit: One Half

Length: One Semester

Recommended but not required for enrollment: Modern History I

Year Taken: Sophomore through Senior

This course is intended to meet student requests for additional time for examination of modern times. Requirements include a formal research paper, interviews, group projects, and reading assignments. All students will present their work to the class, allowing for a broader expansion of knowledge of the whole through the work of each individual, just as in Modern History I.

Modern China, Africa—specifically Rwanda, India, Asia
Disease and Society/Chemical Warfare/Bacteriological Warfare/Terrorism

Course: **Advanced Placement European History** – This course will not be offered in 2010-2011. This course will be offered in 2011-2012.

Credit: One

Length: Two Semesters

Recommended but not required for enrollment: World History – Socrates to Napoleon

Year Taken: Sophomore through Senior

Textbooks: *Western Civilizations: Their History and Their Culture*

Advanced Placement European History will allow students to explore European events, ideas, and people from the Renaissance to the modern world in a format similar to that of a college class. Debate, dialogue, discussion, and essays will allow students to share their understanding of the assigned material, which will primarily come from the two college-level texts, one of which contains primary sources. Students may take an AP test that may provide college credit for two semesters of European History.

First Semester

The Civilization of the Renaissance
 Protestant Reformation
 Age of Absolutism
 Scientific Revolution
 Enlightenment
 French Revolution
 Industrial Revolution
 Revolution and Liberal Reform
 Nationalism

Second Semester

Imperialism and Colonialism
 The Challenge of the Modern West
 The First World War
 Between the Wars
 The Second World War
 Cold War Politics
 Fragmentation and Change in Europe
 Decolonization/the 21st Century World

Course: **American History**

Credit: One

Length: Two Semesters

Year Taken: Junior

Textbooks: *America: Pathways to the Present*

This course will stress basic skills: readings, writing, class participation, and test taking. A variety of materials--textbooks, videotapes, and magazine articles, etc.--will be used to present the history of the United States from colonial period to the present.

First Semester

The Thirteen Colonies
 The Revolutionary Era
 The Young Republic
 Westward Expansion
 Civil War and Reconstruction

Second Semester

Industrial Transformation
 Becoming a World Power
 Prosperity and Depression
 World War and Cold War
 Modern America

Course: Advanced Placement American History

Credit: One

Length: Two Semesters

Year Taken: Junior or Senior

Textbooks: *America Past and Present*

Advanced Placement American History offers the highly motivated American History student the opportunity to acquire a background in mainstream historical fact and in writing the historical essay. Students will be required to read a college level textbook and shorter works from a wide variety of sources such as historical journals. The amount of reading is demanding but not burdensome. Upon completion of the course, students have the opportunity to take the Advanced Placement American History exam, and if they score well enough they may receive college credit for American History.

First Semester

New World Encounters

New World Experiments: England's

Seventeenth-Century Colonies

Putting Down Roots: Opportunity and

Oppression in Colonial Society

Experience of Empire: Eighteenth-

Century America

The American Revolution: From Elite

Protest to Popular Revolt, 1763-1783

The Republican Experiment

Democracy and Dissent: The Violence of

Part Politics, 1788-1800

Republican Ascendancy: The

Jeffersonian Vision

Nation Building and Nationalism

The Triumph of White Men's Democracy

Slaves and Masters

The Pursuit of Perfection

The Age of Expansionism

The Sectional Crisis

Secession and the Civil War

The Agony of Reconstruction

Second Semester

The West: Exploiting and Empire

The Industrial Society

Toward and Urban Society, 1877-1900

Political Realignments in the 1890s

Toward Empire

The Progressive Era

from Roosevelt to Wilson in the Age

of Progressivism

The Nation at War

Transition to Modern America

Franklin D. Roosevelt and the New Deal

America and the World, 1921-1945

The Onset of the Cold War

Affluence and Anxiety

The Turbulent Sixties

To a New Conservatism, 1969-1988

The Twenty-first Century 1989-2006

Course: American Government

Credit: One Half

Length: One Semester

Year Taken: Senior or Junior with permission from the Guidance Department or the Instructor

Textbooks: *Magruder's American Government*

Students will study the American political system through reading, writing, discussing, viewing, and listening to a variety of source materials. The course will focus on the three branches of government at the national and state levels. Other areas of study include the election process, political parties, lobbies, current topics and the Amendments and their influence on our lives.

Historical Formation of the U.S. Political System, Basic Concepts of U.S. Government,
Federalism, Civil Rights of the Bill of Rights, U.S. Congress,
The Presidency, The Federal Court System, The Illinois Constitution,
Illinois Executive, Illinois Legislature, Illinois Court System

Course: **Consumer Economics**

Credit: One Half

Length: One Semester

Year Taken: Junior or Senior

Textbooks: *Consumer Education & Economics*

The role of the consumer and the responsibility to be an ethical and savvy consumer will be stressed throughout this course. Students will study the basic economic systems and learn how to apply the basic economic concepts and math skills related to becoming an educated consumer. Terms such as opportunity costs, benefits, and trade-offs will be analyzed and compared to both daily and life-long consumer applications such as purchasing items, buying a car, managing bank accounts, financing a home, and using & protecting credit. Other economic topics such as career choices, earning income, savings, investing, retirement planning, budgeting, taxation, and insurance will also be discussed. Successful completion of this class will satisfy the consumer education requirement.

Consumer Powers & Protections, Consumer Management Skills, Responsible Choices, Career Decisions, The U.S. Economic System, The Health of the Economy, Global Economics, Income & Taxes, Financial Planning Banking, Consumer Credit, Savings, Investments, Insurance, Persuasion in the Marketplace, Shopping Skills Technology Products, Clothing & Grooming, Transportation, Recreation, Food & Nutrition, Health Care, Housing & Furnishings

Course: **Principles of Economics**

Credit: One Half

Length: One Semester

Year Taken: Junior or Senior

Textbooks: *JA Economics*

This course is designed as a college-prep course for students who plan to take business & economics courses in the future. The course will focus on general macroeconomic and microeconomic theories and concepts. Students will be able to offer economic solutions and explanations to conditions that occur primarily in the United States. Students will be expected to participate in discussions with a Junior Achievement Consultant, as well as interpret economic data to create arguments, give presentations, and defend positions. Students will also be exposed to practical tools useful in successful financial planning, and they will have the opportunity to participate in the stock market game. Successful completion of this class will satisfy the consumer education requirement.

What is Economics, Free Enterprise in the U.S., Demand, Supply, Market-Clearing Prices Consumers, Savers, & Investors, The Business of Free Enterprise, Financing a Business Production & Productivity, The U.S. Labor Force, Competition Among Businesses Government & the U.S. Economy, Money & Financial Institutions, Economic Stability International Trade, Our Globalized World

Course: **Sociology**

Credit: One Half

Length: One Semester

Year Taken: Junior or Senior

Textbooks: *Sociology and You*

Sociology is the study of group behavior. Topics of study include general concepts of sociology, cultures, social stratification, ethnic and racial groups (prejudice and discrimination), sex role socialization, and marriage and family patterns. While the course is text-centered, information on current social trends will be presented from video, audio, and print sources.

The Basic Concepts of Sociology, Groups, Social Stratification and Social Class, Structure of Society, Deviance, Gender Roles, Minority and Ethnic Groups, Prejudice and Discrimination, Culture, Marriage and Family Patterns

Course: **Psychology**

Credit: One Half

Length: One Semester

Year Taken: Junior or Senior

Textbooks: *Psychology: Principles in Practice*

This course is a general survey of the study of psychology and will prepare students to do well at the college level. The main objective of the course will be to expose students to a wide range of psychological concepts and explanations. Students will be introduced to the basic theories of psychology and expected to analyze human behaviors. Students will be required to complete a self-designed psychological study throughout the term demonstrating their grasp of psychological concepts and methodology.

Introduction to Psychology Careers, Methods & Statistics, Biology & Behavior, Sensation & Perception, Consciousness, Learning, Memory, Thinking & Language, Intelligence, Development: Infancy and Childhood, Adolescence & Adulthood, Theories of Personality, Psychological Tests, Gender Roles, Stress
Psychological Disorders Therapy, Topics in Psychology, Social Psychology

Course: **American National Government (PSI 1000)** – Illinois Valley Community College E2 course

Credit: 3.0 transferable college semester hours

Year Taken: Senior

This course will introduce students to the Constitution and the formal governmental institutions of the United States of America. Students will also learn about political parties, both modern and historical, lobbying and interest groups, civil liberties, and civil rights. This course will allow students to critically analyze our system of government and to thoughtfully address some of the major dilemmas that face American politics today. Students will receive college credit for these courses, not high school credit. This course is taught at Princeton High School. All students are expected to pay approximately \$110 in tuition and purchase textbooks from the IVCC Bookstore.

INDUSTRIAL, TECHNICAL AND FAMILY AND CONSUMER SCIENCE

Course: **Introduction to Family and Consumer Science**

Credit: One

Length: Two Semesters

Year Taken: Freshman through Senior

Textbook: *Creative Living*

This course is the introductory course for all classes offered in the Family and Consumer Science Department.

Clothing Construction, Clothing Care, Careers, Housing, Home Maintenance, Interior Design, Family Life
Cycle/Parenting/Child Development, Foods and Nutrition

Course: **Personal Effectiveness**

Credit: One Half

Length: One Semester

Year Taken: Freshman through Senior

Textbook: *The 7 Habits of Highly Effective Teens*

Special Requirements/Fees: Purchase student book – approximately \$11.00

The students will learn to set goals, will establish their mission in life, will learn to live a principle centered life, and will practice the skills necessary to be a productive member of a team or an organization. Some elements that could be incorporated into the curriculum include but are not limited to a service component; listening skills, mediation skills, and the skill to effectively use their time to be successful (time quadrants).

Be Proactive/Begin with the End in Mind/Put First Things First/Think Win-Win
Seek First to Understand, Then to be Understood/Synergies/Sharpen the Saw

Course: **Foods and Nutrition I**

Credit: One Half

Length: One Semester

Year Taken: Freshman through Senior

Textbook: *Food for Today*

Special Requirements/Fees: \$20.00 lab fee

Student will learn to identify nutritional foods and to be able to prepare simple food dishes, and snacks for themselves while at home or in preparation for leaving home whether in college or in the workplace. No prior cooking skills are needed to enroll.

Measuring, Equipment, Food Preparation Techniques, Safety, Recipe Components, and Terms used in Food
Preparations, Nutrition, Pasta, Quick Breads, Soups, Etiquette, Casseroles, Vegetables & Fruits, Microwave Cooking,
and Basic Meal Planning and Preparation.

Course: **Foods and Nutrition II**

Credit: One Half

Length: One Semester

Requirement for Enrollment: Foods I

Year Taken: Sophomore through Senior

Textbook: *Food for Today*

Special Requirements/Fees: \$20.00 lab fee

This course will be an expansion of healthful meal planning for a healthy lifestyle and healthy food preparation techniques.

Beef, Pork, Poultry, Fish, Yeast Breads, Pies, Desserts, Meal Planning and Preparation, Foreign Foods and Nutrition

Course: **Food Management I & Food Management II - Area Career Center**

Credit: Two

Length: Two Semesters

Year Taken: Beginning with the junior year - seniors with guidance approval

Special Requirements/Fee: Application and approval from the Guidance Department - Attendance, academic record and personal motivation are key factors in the selection process.

Students will learn preparation techniques, sanitation, safety, communication skills, and have the opportunity to help manage and operate the "Corner Café" which is the ACC restaurant that is open to the public.

All classes carry two academic credits a year. Students apply for these programs through the guidance department and must visit the program through a school field trip prior to attending. These programs are two years in length; it is recommended students start attending the Area Career Center at the beginning of the junior year. Students are transported to the Area Career Center from Princeton High School by bus leaving at approximately 9:30 a.m. and returning to campus at 12:15 p.m.

Course: **Child Development**

Credit: One Half

Length: One Semester

Year Taken: Freshman through Senior

Textbook: *Child Development, Roles, Responsibilities, Resources*

This course explores the growth and development of babies and children from the physical, intellectual, emotional and social aspects. Developmental milestones of infants through preschool will be studied for each of these ages.

Decisions before Pregnancy, Teenage Pregnancy and Prevention, Drugs and Alcohol during Pregnancy, Birth Defects, Conception, Pregnancy Development, Fetal Growth and Development, Birth, Developmental Milestones

Course: **Parenting**

Credit: One Half

Length: One Semester

Year Taken: Freshman through Senior

Textbook: *Parenting*

This course will help students think through the roles, responsibilities, satisfactions and stresses of parenthood. Students may have the opportunity to care for the simulated infant doll.

Broad View of Parenting, The Family, Effective and Rewarding Parenthood, Understanding Ourselves and Children, Deciding to be a Parent, Prenatal Development, Prenatal Care, Infancy, Preschool Child, School-Age Child
Effective Discipline, Self Esteem, Positive Guidance, and Abuse

Course: **Child Care Occupations I**

Credit: Two

Length: Two Semesters

Requirements for Enrollment: Child Development or Parenting is helpful but not required

Year Taken: Junior or Senior

Textbook: *Working With Children*

This two semester hands-on class is designed for students who might be considering a career in teaching or a child related field (nurse, counselor, social worker, speech therapist, physical therapist, daycare, preschool, etc.). Students will participate as a teacher in Tiny Tiger Preschool. Through this they will learn more about children's development in learning behaviors. Techniques in guidance and discipline will be practiced daily since the children attend three mornings a week from November – May. Students will be required to make weekly lesson plans and be prepared to work with fellow students to teach their lessons each week. Preparation outside of class will be required. Students will be placed in off campus sites one day a week related to their career goals. Successful CCO students would be described as love a challenge, like children, works well with others, dedicated student, open to new ideas, meet deadlines, and dependable. Students should take the next sequence of Child Care Occupations II during the next school year and may be eligible to earn college credit.

Course: **Child Care Occupations II**

Credit: Two

Length: Two Semesters

Requirement for Enrollment: Child Care Occupations I

Year Taken: Senior

Textbook: *Working With Children*

This course is a continuation of Child Care Occupations I. Emphasis is learning administrative skills, communication skills, and human relations. Students will be student teachers for Tiny Tiger Preschool children and students enrolled in Child Care Occupations I. Off-campus sites experiences and responsibilities are expanded. Successful completion of this course with a grade of "A" may result in college credit from Illinois Valley Community College.

Course: **Cosmetology – Area Career Center** - (Seniors only)

Credit: Two

Length: Two Semesters

Requirements/Fee: Application and approval from the Guidance Department - Attendance, academic record and personal motivation are key factors in the selection process.

Year Taken: Seniors with guidance approval

Special fee: \$150.00 fee charged to students by Educators of Beauty

Students will learn the theory, principles, and skills necessary to become a competent cosmetologist. She/he will learn skills associated with shampooing, make-up, facials, hairdressing, chemistry, manicuring, sculptured nails, permanent waving, hair coloring, and cutting. She/he will be able to work toward the accumulation of the 1500 clock hours necessary to take the State Board examination for licensure as a cosmetologist.

All classes carry two academic credits a year. Students apply for these programs through the guidance department and must visit the program through a school field trip prior to attending. These programs are two years in length; it is recommended students start attending the Area Career Center at the beginning of the junior year. Students are transported to the Area Career Center from Princeton High School by bus leaving at approximately 9:30 a.m. and returning to campus at 12:15 p.m.

Course: Introduction to Technology

Credit: One

Length: Two Semesters

Year Taken: Freshman through Senior

Textbook: General Industrial Education and Technology

Special Requirements/Fees: \$20.00 lab fee and Safety Glasses

This is an orientation level course designed to introduce students to four basic technological areas of study; communications, energy, transportation, and production. The course is a hands-on type of class, with many of the principles of technology being taught through demonstration and construction of projects. Following are the four major headings to be studied, and some of the major areas of focus.

Communications Technology

Mechanical drafting, computer aided drafting, desk top publishing, optical scanner hardware and software, radio commercial design, editing, and recording, video creation, editing, and production, and related communications process.

Production Technology

Metals manufacturing processes, wood product manufacturing, power machine operation, construction techniques, production careers, and computer aided manufacturing.

Transportation Technology

Power sources, gasoline engine, automobile power plants, and alternative modes of transportation.

Energy Technology

Energy sources: solar, electrical, nuclear, fossil fuels, wind, geothermal, etc., applications of these sources, energy conservation, and computer usage in fields concerning energy and its applications.

Mechanical Drafting	Energy Sources
Computer Aided Drafting	Solar Energy
Printing and Plotting Devices	Electrical Energy
Desk Top Publishing	Nuclear Power
Radio Commercial Scripting	Fossil Fuels
Cool Edit Software Operation	Wind
Audio Editing Techniques	Geothermal Energy
CD Creation, Design and Burning	Source Applications
Video Camera Operation	Energy Conservation
Digital Photography	Computer Applications
Optical Scanners	Energy Related Careers
Storyboard Writing	
Digital Video Editing	
Communications Careers	
History of Communication	
Metals Manufacturing Processes	Power Sources
Wood Product Manufacturing	Gasoline Engines
Power Machine Safety	Automobile Power Plants
Power Machine Operation	Alternative Modes of
Construction Techniques	Transportation
Production Related Careers	Mass Transportation
Computer Aided Manufacturing	Aerodynamics
Robotics	Theory of Flight
Sheet Metal Fabrication	Transportation Related Careers

Course: Orientation to Power Technology

Credit: One Half

Length: One Semester

Year Taken: Sophomore through Senior

Textbook: *Small Gas Engines*

Special Requirements/Fees: \$20.00 lab fee and Safety Glasses

This course is designed to introduce the student to the wide field of power technology. All forms of power generation and transmission will be introduced and explored. Emphasis will be placed on the internal combustion engine that is the most popular form of mobile power used today. Small engines of the four cycle and two cycle type will be used in instruction. Students will be given the opportunity to test their mechanical skills and tool usage as they work on a variety of projects.

Theory of Power Transmission, Methods of Creating Power, Energy Sources, Safety
Tools and their Applications, Two-Cycle Theory of Operation, Four-Cycle Theory of Operation
Engine Configurations, Intake Systems, Exhaust Systems, and Ignition Systems

Course: Orientation to Electrical Technology

Credit: One Half

Length: One Semester

Year Taken: Sophomore through Senior

Textbook: *Electrical Construction Wiring*

Special Requirements/Fees: \$20.00 lab fee and Safety Glasses

This course is designed to provide the student with an introduction to the skills and knowledge needed for occupations related to electricity/electronics. The use of electricity spans many occupations ranging from those involving heavy electrical use in a modern industry for power to large motors and other equipment to those involving the mini-currents used in today's electronic devices. This course will acquaint students with different kinds of currents, different kinds of circuits, electrical components for both electrical and electronic applications. Tools and equipment usage and safety in that use will be a significant part of the course. Career information on occupations related to electricity/electronics will be emphasized.

Basic Electrical Theory, Electrical Codes and Standards, Wiring Nonmetallic Sheathed Cable, Grounding for Safety
Electrical Connections, Switching Circuits, Installing Service Equipment,
Remodeling Wiring and Large Appliances and Air Conditioning

Course: Electronics I & Electronics II– Area Career Center

Credit: Two

Length: Two Semesters

Year Taken: Beginning with the junior year - Seniors with guidance approval

Special Requirements/Fee: Application and approval from the Guidance Department - Attendance, academic record and personal motivation are key factors in the selection process.

Students will learn about types of circuits, power supplied oscillators, semi-conductors, transistor circuits, and integrated circuits. They will assemble kits for such things as phones, remote-control cars, and robots. If the student takes an exam in the spring and completes it with a 75% or better they will receive 5 hours of credit in the Electronics Program at Illinois Valley Community College.

All classes carry two academic credits a year. Students apply for these programs through the guidance department and must visit the program through a school field trip prior to attending. These programs are two years in length; it is recommended students start attending the Area Career Center at the beginning of the junior year. Students are transported to the Area Career Center from Princeton High School by bus leaving at approximately 9:30 a.m. and returning to campus at 12:15 p.m.

Course: Orientation to Metal Production Technology

Credit: One Half

Length: One Semester

Year Taken: Sophomore through Senior

Special Requirements/Fees: \$20.00 lab fee and Safety Glasses

This course is designed to introduce the manufacture and production of products made of metals. Students will explore methods of manufacturing using machining techniques, welding techniques, bending and folding techniques, etc. Students will explore Computer Aided Design and manufacturing software and hardware, and use Computer Aided Machine tools to manufacture items designed. Students will learn how materials are joined together, shaped, cut, and removed holes made, threads turned, and other operations characteristic of metal production. Orientation to related careers will be included.

Machine Tool Safety, Grinders, Reading Working Drawings, Drill Press Operation, Precision Measuring Instruments
Taps and Dies, Semi-precision Instruments, Heat Treatment of Steel, Engine Lathe Parts and Attachments,
Metalworking Hand Tools, Lathe Operations. Fastening Systems, Vertical &. Horizontal Mills, Computer Aided
Manufacturing Software, Hardware, CAM Parts Design and Production

Course: Machine Technology I & Machine Technology II - Area Career Center

Credit: Two

Length: Two Semesters

Year Taken: Beginning with the junior year - Seniors with guidance approval

Special Requirements/Fee: Application and approval from the Guidance Department - Attendance, academic record and personal motivation are key factors in the selection process.

Students will have the opportunity develop the high tech skills of the precision machining industry. They will be prepared for careers as tool and die makers, patter makers and machinists. By passing a project-based test in this course, students will receive 4 hours of advanced credit in the Illinois Valley Community College Machine Technology Program.

All classes carry two academic credits a year. Students apply for these programs through the guidance department and must visit the program through a school field trip prior to attending. These programs are two years in length; it is recommended students start attending the Area Career Center at the beginning of the junior year. Students are transported to the Area Career Center from Princeton High School by bus leaving at approximately 9:30 a.m. and returning to campus at 12:15 p.m.

Course: Communications Technology I

Credit: One Half

Length: One Semester

Year Taken: Sophomore through Senior

Special Requirements/Fees: \$20.00 lab fee

This course is designed as an introduction to current communication processes and related products. The class is structured around the creation of documents, computer graphics, digital pictures, web pages, and digital video images to be readied for mass production. Major emphasis is placed on computer-based desktop publishing, digital imaging software operation, video image creation, video software operation, digital image conversion, techniques, and modern color scanning operations. Other related areas to be covered include web site creation and maintenance, copy creation, and modern printing techniques. Some areas to be covered are to possibly enhance actual publishing situations, example: school web page, school newsletter, and combined literary and fine art publications.

Desktop Publishing/Digital Photography/Color Scanner/ Imager Conversion and Image Types
Related Computer Terminology and Hardware/Video Creation/Video Hardware/Video Software
Web Page Creation/Web Site Software Operation/Web Page Management and Maintenance
Combined Digital Image Operations

Course Name: Communications Technology II

Credit: One

Length: Two Semesters

Requirement for Enrollment: Communications Technology I

Year Taken: Sophomore through Senior

Special Requirements /Fees: \$20.00 lab fee

This advanced level course in current communication processes and related topics is structured around advanced techniques in the creation of digital video movies, computer graphics, digital pictures, advanced text techniques, and web pages. Hardware to be incorporated into the course include digital video cameras, digital video tape, memory cards, digital still cameras, DVD and CD handling input devices, optical scanners, photographic lighting equipment, audio headsets, and microphones. The course will incorporate several software packages used in the creation of projects including Adobe Premiere Pro, Symantec Cool Edit, and Adobe Photoshop, along with standard text editing software. Projects will include writing movie scripts, designing storyboards, actual film shooting, video editing and production, and lighting, simulated audio commercials, editing multi-track audio recordings, creation of web-pages, shooting still digital pictures and editing digital files. Related skills include audio and video file handling, DVD and CD creation, upgrading of VHS tapes, and general computer skills. Partnerships with local publishing and production firms have been established in a support role.

First Semester

Digital Still Photography

Digital Video Photography

Image Types

Camera Operation

Audio Creation

Importing Audio and Video

Cool Edit Pro Software

Adobe Photo-Shop Software

Storyboard Creation

Script Writing

Windows Movie Maker Software

Second Semester

Adobe Premiere Pro Software

Web Page Creation

Film Editing

Multi-Track Recording

DVD/CD Creation

Advanced Audio Editing

Desk-Top Publishing

File Handling

Optical Scanning

VHS Conversion

Advanced Computer Graphic Creation

Course: Drafting/Computer-Aided Drafting

Credit: One

Length: Two Semesters

Year Taken: Sophomore through Senior

This course is designed to provide students interested in a career in drafting with information and practical experience needed for the development of job-related competencies. The course content would include planning and organizing activities, researching information, coordinating work and performing other general office procedures, preparing various sketches (freehand, isometric, orthographic, pictorial, oblique), performing basic layouts, detailing drawings such as sectional and isometric views, using various reproduction techniques and using CAD command processes to produce CAD grid drawings. Upon successful completion of this course, students may be able to proficiency entry-level courses in Manufacturing Engineering Technology at Illinois Valley Community College.

First Semester

Drafting Equipment

Drafting Techniques

Constructions

Dimensioning

Detailing

Notations

Pictorial Drawing

Computer Hardware/Software

Editing

Second Semester

Profile Sectioning

Horizontal Sectioning

Offset Sectioning

Half Sections

Working Drawings

Large Format Plotting

Broken Sections

Oblique Views

Course: **Computer Aided Drafting I – Area Career Center**

Credit: Two

Length: Two Semesters

Year Taken: Beginning with the junior year - Seniors with guidance approval

Special Requirements/Fee: Application and approval from the Guidance Department - Attendance, academic record and personal motivation are key factors in the selection process.

Students will learn drafting practices and standards, mechanical designs and architectural drafting. Students will design houses, machine parts, and bridges. They will have the opportunity to use the cutting edge CAD software program, Inventor that is changing the CAD industry and is associated with the national curriculum, Project Lead the Way. If the student earns a grade of A in this course, they will receive a credit for the Illinois Valley Community College courses DFT 1201 and CAD 1200. Plans are underway for students to earn advanced credit through Project Lead the Way through the University of Illinois, Urbana-Champaign.

All classes carry two academic credits a year. Students apply for these programs through the guidance department and must visit the program through a school field trip prior to attending. These programs are two years in length; it is recommended students start attending the Area Career Center at the beginning of the junior year. Students are transported to the Area Career Center from Princeton High School by bus leaving at approximately 9:30 a.m. and returning to campus at 12:15 p.m.

Course: **Woods I**

Credit: One Half

Length: One Semester

Year Taken: Sophomore through Senior

Textbook: *Woodworking Technology*

Special Requirements/Fees: \$20.00 lab fee and Safety Glasses

This course is designed to introduce the student to basic cabinet making techniques. The main concept to be stressed is the manufacture of a finished product. This will be accomplished by familiarizing the student with a start to finish overview of the processes required to design and implement a plan of procedure in modern manufacturing. Areas to be covered are woodworking safety, project design, working drawings, operation of power woodworking equipment, cabinet making hand tools, lamination, fasteners, and finishing techniques.

Basic Laboratory Safety/Specific Machine Safety/Design Techniques/Creation of a Plan of Procedure
 Reading Working Drawings/Linear Measurement/Hand Tools/Operation of the Radial Arm Saw
 Operation of the Single Surface Jointer/Operation of the Table Saw/Operation of the Single Surface Planer/
 Operation of the Drill Press/Operation of the Band Saw/Operation of the Disc/Belt Sander/Operation of Power and
 Hand Tools/ Lamination and Gluing Techniques/Joinery/Fasteners/Finishing Techniques

Course: Woods II

Credit: One

Length: Two Semesters

Requirement for enrollment: Woods I

Year Taken: Sophomore through Senior

Textbook: *Woodworking Technology*

Special Requirements/Fees: \$20.00 lab fee, project fees, and Safety Glasses

This course is designed as an advanced experience for the woods student. Woods II will use the knowledge gained in Woods I as a base to expand the student's skill and awareness in many areas of woodworking. The course will be taught from a project-oriented point of view, and focus on individual application of the subjects discussed. The student will progress through the areas covered in a chronological and logical order. The class will be presented in this manner to aid the student in discovering the proper order of events in the manufacture of a piece of furniture. Areas to be covered are woodworking safety, project selection and design, blueprint reading, hardwoods, operation of power woodworking machinery, machine tool applications, cabinet making hand tools, advanced cabinet joinery, frame construction, panel and door manufacture, cabinet hardware and applications, abrasives, and finishing.

First Semester

Basic Laboratory Safety

Specific Machine Safety

Hardwoods

Design Technique

Blueprint Reading

Linear Measurement

Hand Tools

Machine Tool Operation

Operation of Power Hand Tools

Lamination and Gluing Techniques

Second Semester

Frame Construction

Panel Manufacture

Door Manufacture

Advanced Cabinet Joinery

Cabinet Hardware

Hardware Applications

Fasteners

Abrasives

Sanding Techniques

Finishing Technique

Course: Building Trades I & Building Trades II – Area Career Center

Credit: Two

Length: Two Semesters

Year Taken: Beginning with the junior year - Seniors with guidance approval

Special Requirements/Fee: Application and approval from the Guidance Department - Attendance, academic record and personal motivation are key factors in the selection process.

Students will learn the fundamentals of home building. Areas of construction taught in the program include safety, measuring, concrete, basic framing, roofing, and other carpentry skills. You will have the opportunity to build sheds and garages, and repair/replace roofs on homes in the community.

All classes carry two academic credits a year. Students apply for these programs through the guidance department and must visit the program through a school field trip prior to attending. These programs are two years in length; it is recommended students start attending the Area Career Center at the beginning of the junior year. Students are transported to the Area Career Center from Princeton High School by bus leaving at approximately 9:30 a.m. and returning to campus at 12:15 p.m.

Course: Introduction to Agricultural Industries

Credit: One

Length: Two Semesters

Year Taken: Freshman through Senior

This is a survey course that serves to introduce students to the world of agriculture. Some of the topics studied include orientation to agriculture, careers and opportunities in agriculture, the FFA, parliamentary procedure, basic livestock selection and production, basic crop production, horticulture, and safety. In addition, students have the opportunity to join the FFA and to participate in many extra-curricular activities. This course is open to both genders.

First Semester

FFA

Livestock Management

Parliamentary Procedures

Public Speaking

Keeping Records

Second Semester

Agriculture Sales

Precision Farming

Horticulture

Agriculture Chemicals

Shop Safety

Growing Crops

Tools and Equipment

Course: Biological Science Applications in Agriculture

Credit: One

Length: Two Semesters

Year taken: Sophomore through Senior

Special Requirements/Fees: \$15.00 lab fee

This course is designed to extend the student's learning of science by associating basic scientific principles and concepts with relevant applications in agriculture. Topics covered include biotechnology, heredity and genetics, growth and development of animals, animal reproduction and processing animal products. Laboratory exercises are used extensively during the course. This course has been approved for laboratory science credit by the admissions offices of the following universities: University of Illinois, Southern Illinois University, Western Illinois University and Illinois State University, Eastern Illinois University and Northern Illinois University.

First Semester

Scientific Investigation in Agriculture

Animal Genetics and Biotechnology

Growth and Development of Animals

Animal Reproduction

Aqua-culture

Processing Animal Products

Second Semester

Scientific Investigation in Agriculture

Agriculture and the Environment

Managing Inputs for Plant Growth

Initiating Plant Growth

Managing Plant Growth

Reproduction in Plants

Handling, Storing and Processing Plant

Products

Course: Welding

Credit: One

Length: Two Semesters

Year Taken: Sophomore through Senior

Special Requirements/Fees: \$20.00 lab fee

This course is the first in a sequence of courses offering planned experiences which provide students opportunities needed for employment in welding occupations. This course will emphasize the competencies necessary for work place safety, operation of power equipment, material selection, and laboratory procedures. Students will be learning the processes of basic oxygen fuel welding, thermal cutting, and electric shielded metal arc welding. Career information and employment information will be covered.

First Semester

Safety

Machine Care

Material Selection

Electrode Selection

Oxy-Acetylene Welding

Electrical Shielded Arc Welding

Second Semester

Continuation of First Semester

Practical Application of Safety

Welding and Cutting

Course: Welding I – Area Career Center

Credit: Two

Length: Two Semesters

Year Taken: Beginning with the junior year - Seniors with guidance approval

Special Requirements/Fee: Application and approval from the Guidance Department - Attendance, academic record and personal motivation are key factors in the selection process.

Students will learn basic skills to the common welding process such as electric arc welding, joint welding, all position type welding and mig and tig welding. Plans are in development for students to earn advanced placement opportunities in the Illinois Valley Community College Welding Certificate Program.

All classes carry two academic credits a year. Students apply for these programs through the guidance department and must visit the program through a school field trip prior to attending. These programs are two years in length; it is recommended students start attending the Area Career Center at the beginning of the junior year. Students are transported to the Area Career Center from Princeton High School by bus leaving at approximately 9:30 a.m. and returning to campus at 12:15 p.m.

Course: Automotive Technology I and Automotive Technology II – Area Career Center

Credit: Two

Length: Two Semesters

Year Taken: Beginning with the junior year - Seniors with guidance approval

Special Requirements/Fee: Application and approval from the Guidance Department - Attendance, academic record and personal motivation are key factors in the selection process.

Students will learn the basic skills necessary that apply toward challenging careers as automotive technicians. Students will have hands-on opportunities related to the disassembly, assembly, adjusting, repairing, and servicing of vehicles as well as experience with body repair. Students will be given an exam in the spring that if passed with a 75% or better will allow them to get 6 free credit hours in Illinois Valley Community College Automotive Technology Program upon the completion of 6 credit hours in the Illinois Valley Community College Automotive Technology Program. Students will also have the opportunity to join the Area Career Center "Car Club" that prepares cars for the "World of Wheels" car show in Chicago.

All classes carry two academic credits a year. Students apply for these programs through the guidance department and must visit the program through a school field trip prior to attending. These programs are two years in length; it is recommended students start attending the Area Career Center at the beginning of the junior year. Students are transported to the Area Career Center from Princeton High School by bus leaving at approximately 9:30 a.m. and returning to campus at 12:15 p.m.

Course: Conservation

Credit: One Half

Length: One Semester

Year Taken: Freshman through Senior

A course that emphasizes the study of our natural resources and how to prevent these natural resources from being lost or wasted. Other topics include conservation structures, recreation, irrigation and environmental control.

Air and Water, Minerals, Plants, Soil, and Wildlife

Course: Career Internship Program

Credit: One Half

Length: One Semester

Year Taken: Junior or Senior

The purpose of the Career Internship Program is to provide students with an opportunity to gain a better understanding of a given career or careers. Students spend the first several days of the semester in the classroom on career placement skills.

The remainder of the semester the student will be in the community working with their sponsor.

The student is required to complete a sponsor signed, weekly journal that summarizes their internship experience.

The students will complete a Career Portfolio Project as a final.

Students are responsible for presenting themselves in professional manner as they are representatives of PHS and must maintain a good standing in the community. Please note that placements are subject to availability and distance. Students enrolled in Child Care Occupations may not be placed in an educational setting.