

020-47-2000-1020

**THE FOLLOWING
PAGES CONTAIN
THE PENNFIELD
HIGH SCHOOL
COURSE
DESCRIPTIONS
&
CALHOUN AREA
TECHNOLOGY
CENTER COURSE
DESCRIPTIONS**

ENGLISH

100 FRESHMEN ENGLISH (9th)

1 Credit

In this course, students will study the major forms of literature including short story, novel, drama, essay, nonfiction, and poetry. Literature driven writing responses and various forms of composition will also be emphasized. (This course is a graduation requirement.)

110 SOPHOMORE ENGLISH (10th)

1 Credit

In this course students will study the major forms of American Literature including short story, novel, drama, essay, and poetry. Literature based writing responses and other various forms of composition, with an emphasis on the persuasive five paragraph essay, will be written. A research paper will be required for semester credit. (This course is a graduation requirement.)

119 JUNIOR ENGLISH (11th)

1 Credit

Students will use writing skills with emphasis on literature as a basis for enjoyment and understanding of our world. Writing will be emphasized throughout the course. This course will also include grammatical skills practice and preparation for the ACT/Michigan Merit Exam. (This course or Junior Honors English is required for graduation.)

120 DEVELOPMENTAL READING

(9th, 10th, 11th, 12th) .5 Credits

This course is designed to benefit the student who is having difficulty in school due to inferior reading skills. Developmental Reading is intended to make ideas introduced in other content areas more understandable through work with the student's basic reading, study, and test-taking skills. A classroom teacher or guidance counselor should recommend students. Students will be graded on a Credit/No Credit basis.

125 JUNIOR HONORS ENGLISH (11th)

1 Credit

This course is specifically designed as a college preparatory course in English

Language Arts coupled with a strong emphasis on grammar, written composition, and vocabulary as preparation for college writing and the ACT Test. It is strongly recommended that students with a "B-" average or better in Sophomore English or those planning to attend college take this course. (This course or Junior English is required for graduation.)

129 SENIOR HONORS ENGLISH (12th)

1 Credit

This course is specifically designed as a college preparatory course in English Language Arts with a strong emphasis on writing. This class surveys British and European Literature. It emphasizes larger works such as the novel and presents opportunities to prepare research length papers. Practice writings for the ACT will also be an integral part of literature driven writing responses. It is strongly recommended that students with a "B-" average or better in Junior English or Honors English and those planning to attend college take this course. (This course or Senior English is required for graduation.)

137 SENIOR ENGLISH (12th)

1 Credit

This is a course for the student who is not planning on getting a four year college degree, but who plans on furthering his/her education after high school in a work related technical school or directly entering the work world on a full time basis. This class will reflect similar areas of study as Senior Honors English but may include different pieces of literature and be paced differently. Literature and writing studies will be designed to open the student's awareness to the diversity of literary materials available to him/her. Various forms of writing will also be included since writing is a lifetime skill. (This course or Senior Honors English is required for graduation.)

D33 23 A.P. ENGLISH (12th)

1 Credit

Advanced Placement English is an accelerated high school class with college level expectations. It is both demanding and stimulating. The student will be exposed to materials and the skills necessary to attack

the AP test and college level classes. At the end of the second semester, the student will have the opportunity to earn college credit by taking the AP examination in English Literature and Composition. It is strongly recommended that all AP students take this test; however, it is not a requirement of the class. This course focuses on European Literature with an emphasis on the writings of Britain since Shakespeare and is taught through three approaches: chronology, theme, and genre. Writing assignments, both short and long, will be an important and frequent feature of the course. (This course, Senior Honors, or Senior English is required for graduation.)

122 NEWSPAPER

(9th, 10th, 11th, 12th) 1 Credit

This course offers a study of basic journalistic techniques and skills necessary to produce a high school newspaper. Not only will the students be composing a newspaper, they will also be learning about what journalism is, knowing the law, gathering the news, reporting the news, newspaper style, feature stories, editing and copy, and photography. This class may be repeated throughout a student's high school career as long as he/she maintains a passing grade and has the recommendation of the newspaper instructor. (A 3.00 GPA or better in English, a recommendation from an English instructor, and approval from the newspaper instructor is required to take this course).

YEARBOOK

(9th, 10th, 11th, 12th) 1 credit

This course offers a study of basic journalistic techniques and skill necessary to produce a high school yearbook. Not only will the students be composing a yearbook, but they will be learning about photography, business advertisement and selling, layout, design, writing captions, headlines, and copy. This class may be repeated throughout a student's high school career as long as he/she maintains a passing grade and has the recommendation of the yearbook instructor. (A 3.0 GPA or better in English, a recommendation from an English instructor, and approval from the yearbook instructor is required to take this course).

BROADCASTING

INTRODUCTION TO BROADCASTING

(9th, 10th, 11th, 12th) .5 credits

This is a self-directed, student initiated class. Students will learn how to put together multi media films in front of the camera and behind the camera. Students must have computer skills and public speaking skills to work in this class as they will be involved in script writing, video scripts, sound effects, stage sets, storyboards, and presentations. This class may be taken once throughout a student's high school career.

ADVANCED BROADCASTING

(10th, 11th, 12th) .5 credits

This is a self-directed, student initiated class. Students must take Introduction to Broadcasting before taking Advanced Broadcasting. Students will be composing a weekly school news program and daily video announcements. This class may be repeated throughout a student's high school career as long as he/she maintains a passing grade and has the recommendation of the broadcasting instructor.

FOREIGN LANGUAGE

171 SPANISH I

(9th, 10th, 11th, 12th) 1 credit

This course is open to all students. By the end of the year, students should be able to speak, read, write and comprehend basic Spanish. The culture of Spanish speaking countries is also discussed. This class is designed for college bound students as well as for students who have an occupation in mind where knowledge of a foreign language could enhance their chances of success. It may also be used for students to fulfill their elective requirements for graduation.

180 SPANISH II

(10th, 11th, 12th) 1 Credit

This is a continuation of Spanish I with more stress put on speaking and further developing the understanding, reading and writing skills. Completing two years of one foreign language will fulfill the requirements

set by many universities. (Prerequisite: Spanish I)

182 SPANISH III

(11th, 12th) 1 Credit

This course is designed for any student who has taken Spanish I and Spanish II. If a trip to Spain or Mexico is planned, students in this class are eligible to go. Completing Spanish III will fulfill the recommendation made by state universities.

(Prerequisite: Spanish I & II)

184 SPANISH IV

(12th) 1 Credit

This course is a continuation of Spanish III in which the grammatical concepts are reviewed and expanded upon. Literature, writing and speaking is emphasized.

(Prerequisite: Spanish III)

188 23 GERMAN I

(9th, 10th, 11th) 1 Credit

This introductory level course is for students who wish to acquire a fundamental knowledge of the German language and the culture from which it evolved. Students will learn the basics of reading, writing, speaking and understanding German.

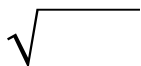
190 23 GERMAN II

(10th, 11th, 12th) 1 Credit

This two semester (full year) class will continue to develop skills obtained during German I. Students will regularly converse in the German language as well as exercise their written communication abilities.

Topics to be studied will include Society, Language, History and Culture of Germanic peoples. (Prerequisite: German I)

MATHEMATICS



ALGEBRA CONCEPTS & SKILLS

(9th, 10th, 11th, 12th) 1 credit

This course builds on the increasing generalized approach to the study of functions and representations through guided practice. Student's knowledge of exponential and quadratic function families is extended. Students will also develop their knowledge of logarithmic, power and polynomial patterns. Finally, Algebra Concepts and Skills expand the number

domain from real to complex numbers.

Staff recommendations will be required for this class.

ALEGBRA I

(9th, 10th, 11th, 12th) 1 credit

Algebra builds on the increasing generalized approach to the study of functions and representations through creative and critical thinking. Students will also develop their knowledge of logarithmic, power and polynomial patters. Finally, Algebra I expands the number domain from real to complex numbers. Staff recommendations will be required for this class.

GEOMETRY CONCEPTS AND SKILLS

(9th, 10th, 11th, 12th) 1 credit

Geometry CS builds on a number of key geometric topics developed in the middle grades through guided study. Students studying geometry further develop analytic and spatial reasoning while deepening their understanding of shape and shape relationships. Connections are made from algebraic to geometric reasoning. Studies include right triangle trigonometry, transformations, linear and quadratic functions, coordinate geometry, deductive reasoning, formal logic and proof to help students understand the axiomatic system. These all are powerful tools used to explore the concepts of mathematical proofs. Staff recommendations will be required for this class

260 GEOMETRY

(9th, 10th, 11th, 12th) 1 Credit

Geometry builds on a number of key geometric topics developed in the middle grades through creative and critical thinking. Students studying geometry further develop analytic and spatial reasoning while deepening their understanding of shape and shape relationships. Connections are made from algebraic to geometric reasoning. Studies include right triangles trigonometry, transformations, linear and quadratic functions, coordinate geometry, deductive reasoning, formal logic, and proof to help students understand the axiomatic system. These all are powerful tools used to explore the concept of mathematical proofs. Staff recommendations will be required for this class.

270 ALGEBRA II

(10th, 11th, 12th) 1 Credit

A study of the structure of the real and complex number systems and the techniques of Algebra and functions through problem solving and the use of a TI graphing calculator. Staff recommendations will be required for this class. (Prerequisite: Geometry)

270 ALGEBRA II Skills & Concepts

(10th, 11th, 12th) 1 Credit

A study of the structure of the real and complex number systems and the techniques of Algebra and functions through problem solving and the use of a TI graphing calculator. Staff recommendations will be required for this class. (Prerequisite: Geometry)

281 PRE-CALCULUS

(11th, 12th) 1 Credit

A pre-calculus course that includes the study of statistics, functions, number systems and trigonometry. The study of statistics is introduced in the first chapters and is carried through with the study of trigonometry, probability, and complex functions. (Prerequisite: Algebra II)

284 CALCULUS

(12th) 1 Credit

This course is the study of calculus with emphasis on the following calculus topics: Functions and Graphs, Limits and Continuity, Differential Calculus and Integral Calculus. Graphic calculators and /or computers, where applicable, will be used to aid in the solving of problems. This class is recommended for students pursuing mathematics at the college level. (Prerequisite: Pre-calculus)

COMPUTER SCIENCE

196 COMPUTERS AND APPLICATIONS I

(9th, 10th, 11th, 12th) .5 credits per Semester

This course is the first semester of a two-semester cluster covering topics focused on the use of computers. Students enrolled in this course must have a "Student Use

Policy" on file signed by both the student and a parent or guardian. Topics covered in this first semester will be: keyboarding techniques, hardware & software, file management, word processing, databases, spreadsheets, computer history, ethics, careers and communication. This course is based on the National Educational Technology Standards.

198 COMPUTERS AND APPLICATIONS II

(9th, 10th, 11th, 12th) .5 Credits per Semester

This course is the second semester of a two-semester cluster covering topics focused on the use of computers. Students enrolled in this course must have a "Student Use Policy" on file signed by both the student and parent or guardian. Topics covered in this second semester are: Presentation software, integrating office applications, web site design and management, internet applications, upgrading computer hardware, installing software, and other current topics. (Prerequisite: Computer & Applications I)

SOCIAL STUDIES

332 World History / Geography

(9th grade requirement) 1 Credit

The learner will be introduced to ancient cultures and civilizations with a focus on their contribution to Western Societies. The learner will also be introduced to the development of England and France as Nations and the contributions of Medieval Europe to Western Society with an emphasis on geography. The learner will be introduced to European Monarchies with a focus on the political developments and colonial expansion into the New World. The learner will also be introduced to industrialization and the major world conflicts of the modern era.

352 Introduction to Social Studies

(11th, 12th) 1Credit

This class provides students with a background in skills of Social Studies. The course covers four areas: geography, economics, civics, and history. By integrating the four core areas a student will

develop skills that enable them to build a foundation in the Social Sciences.

340 U.S. HISTORY SINCE 1865

(11th) 1 Credit

U.S. History covers events surrounding the development of the United States during the time period from 1865 to the present.

Emphasis is placed on the social, economic, and political development of the U.S. after 1900. Special areas of concentration will be:

- (1) Opportunities & problems growing out of Industrialization
- (2) Importance of immigration & minority groups to American development
- (3) U.S. role in World War I and World War II
- (4) The changing face of America during the "Roaring 20's"
- (5) The "Great Depression" and its aftermath
- (6) Unrest in the 60's

344 INTRODUCTION TO PSYCHOLOGY

(11th, 12th) .5 Credits

Psychology is the science of behavior. This course will explore many topics being studied by psychologists such as altered states of consciousness, types of learning, biological foundations of behavior, motivation and emotion, stress and how people adjust to it, and theories of how personality is formed. This course is structured to provide students with a challenging and fascinating study of human behaviors, provide a scientific understanding of the forces that shape thoughts and actions as well as discover more about themselves and their interactions with others.

375 CURRENT EVENTS

(11th & 12th) .5 Credits

This semester course will focus on developing the student's skills in accessing today's media service. Traditional forms of mass media will complement use of the Internet and other modern technologies to retrieve information on domestic and global issues.

CONSTITUTION/CIVICS

(10th) .5 credits

This course will study the history and impact of the U.S. Constitution. Students will focus efforts on developing a working knowledge of this great American Document.

370 ECONOMICS

(10th & 12th) .5 Credit

This course is a survey of the principles and problems of the American economic system. Topics covered include American capitalism, free enterprise, money and banking, insurance, stocks and bonds, and types of business.

350 GOVERNMENT

(12th) .5 Credits

This course will study the forms and functions of American government on all levels, national, state and local. National government receives special emphasis, but comparisons between levels of government are made.

360 SOCIOLOGY

(12th) .5 Credits

Basic sociological concepts are used to study selected aspects of American society. The social basis of personality, juvenile delinquency, family unit and inter-group relations are studied.

SCIENCE

405 Physical Science

(11th & 12th) .5 Credits

Physical Science is a course required for all Pennfield High School students (freshmen taking this class should have strong math skills). This course addresses work, types of energy, energy conservation, and force. They will also learn the concepts of atomic structure, molecules, chemical bonds, and their role in the chemistry of organisms. The students will gain experience solving mathematical problems. Students will work in lab groups and develop problem solving and group process skills. (This course should be taken in either 9th or 10th grade).

435 EARTH SCIENCE

(11th & 12th) .5 Credit

Earth Science is a course required for all Pennfield High School students. This is an

introductory course, which will offer an explanation to the many naturally occurring phenomena around and in our earth. Emphasis will be placed on the areas of: Michigan Natural Resources, Michigan Weather and Geography, Plate Tectonics, Introduction to the Solar System, Comparative analysis of different environments / climates / regions, and use and explanation of maps. (This course should be taken in either the 9th or 10th grade.)

410 BIOLOGY

(9th grade requirement) 1 credit
Biology is a yearlong course required for graduation. It encompasses Michigan Science Standards, covering the essential and core objectives in the Michigan Merit Curriculum. During the course of study, students will learn and apply the scientific method; they will learn about the nature of science and inquiry based learning. In addition, they will understand the organization of living systems and the relationship between organisms and their environments. Lastly, students will learn about genetics, evolution, and biodiversity. Students will develop proficiency using lab equipment by designing and carrying out experiment throughout the school year.

431 PHYSIOLOGY

(11th, 12th) .5 Credit
Anatomy must be a prerequisite. Emphasis will be placed on the functions of the human body. Students will be expected to know and understand basic anatomical terminology. Dissection will be part of this course as needed for study. (Prerequisites: Biology with a "B" or better or Anatomy with a "C" or better)

432 ANATOMY

(11th, 12th) .5 Credits
The course would focus on human anatomy with comparisons made to various other organisms. Students will be expected to dissect and learn the structures of the major organ systems. Emphasis will be placed on how the different levels of organization function together to give us a complete working body. This course will be helpful for

those interested in seeking further training in the medical or health related field. (Prerequisite: Biology with a "B" or better and Physical Science and Earth Science)

436 ECOLOGY

(10th, 11th, 12th) .5 Credits
This course will cover the relationships of organisms with one another and with their environment. It will focus on population growth and decline, competition between species, predation and other species interactions. Fieldwork will be involved with an emphasis on local ecology.

470 ESSENTIAL OF CHEMISTRY

(10th, 11th) 1 credit
This class includes only the essential content expectations from the Michigan High School Content Expectations for Chemistry. Chemistry is a course that investigates matter and the energy involved in their changes. Students will examine the behavior of matter and common interactions between substances. Chemistry concepts will be explored in a laboratory setting and the students will learn to collect and analyze data using a variety of methods. Mathematics, technology, and inquiry learning will be integrated into daily instruction. Students will also learn how to collect and interpret data and analyze their results. Essentials of Chemistry is very similar to chemistry, but it does not go as deeply into chemical concepts.

CHEMISTRY

(10th, 11th) 1 credit
This class includes all of the essential, and the core content expectations in the Michigan High School Content Expectations for chemistry. Chemistry is a course that will investigate matter, changes in matter, and the energy associated with these changes. Students will collect data in a laboratory setting using both qualitative and quantitative data collection methods. They will learn to interpret, display, and evaluate data using both mathematics and technology. The class will investigate atomic structure, properties of solutions, nomenclature of inorganic and organic compounds, properties of acids and bases, properties of gasses, and the study of

nuclear chemistry. Daily instruction will include many inquiry teaching methods and use of current technology. Furthermore, because this class includes both the essential and the core content expectations for chemistry it is more rigorous than the Essentials of Chemistry course.

480 CHEMISTRY II

(11th, 12th) 1 Credit

This course is designed for students wishing to enter any college course work requiring further study of chemistry. The course work will definitely benefit any student desiring to enter any health-related field and other areas involving biology or chemistry. Course content will be similar to what is experienced in a first year college chemistry course. This will include a more detailed approach to all topics covered in Chemistry I and more sophisticated laboratory exercises. (Prerequisite: one year of Chemistry I. Teachers permission with a grade of less than a C in Chemistry I)

Independent Study Chemistry

(11th & 12th)

This course is designed for the student who has completed two years of high school chemistry. The course is laboratory based with an emphasis on using technology for research and data collection. The class will reinforce previous objectives, but will also venture into areas not covered in the first two years. The instructor's permission is required.

ESSENTIAL OF PHYSICS

(10th, 11th, 12th) 1 credit

One physics course is required for all Pennfield students. This course covers the essential objectives in the Michigan Merit Curriculum (MMC). Physics is a science that explains the physical world. Students will practice scientific reasoning to study the main topics of motion, forces, and energy. Students will learn how to describe and represent motion as well as the forces involved when objects interact. The concept of energy, its various forms, and how it changes from one form to another will be introduced. Laboratory experiences and demonstrations will be used to help students observe patterns and relationship.

Mathematics will be used as a tool to illustrate and communicate these patterns and relationships. Students will consider the technological applications of the physical laws and reflect on the social implications.

485 PHYSICS

(10th, 11th, 12th) 1 Credit

One Physics course is required for all Pennfield students. This course covers the essential and core objectives in the Michigan Merit Curriculum (MMC). Advanced physics covers in more detail those topics covered in the Physics Essentials course as well as momentum, impulse, and thermal dynamics

ART

500 ART I

(9th, 10th, 11th, 12th) 1 Credit

This course is designed to introduce students to the basic elements of art and the principles of design. Students will experience hands on exploration of a variety of materials and techniques involved in creating visual art forms. Art history and art criticism will be introduced coupled with personal expression to enhance understanding of subject matter.

520 ART II A

(10th, 11th, 12th) 1 credit

This course is a continuation of Art I. The first semester students will concentrate on solid drawing techniques with a variety of media such as: pencil, pen & ink, pastels and charcoal. The second semester will be directed toward painting, airbrush watercolors and printmaking in an effort to produce a variety of two-dimensional art forms. This is a full year course and students must have completed the first semester to take the second semester. Art history and cultures will be continually introduced to enhance understanding of subject matter. (Prerequisite: Art I)

525 ART II B

(10th, 11th, 12th) 1 Credit

This course is designed to enable students to create three-dimensional art forms. The first semester will be directed toward

sculpture dealing with three-dimensional form in many Media such as: clay, wood, metal, and plaster. The second semester will be devoted to ceramics involving coil, slab and potters wheel methods. Art history and cultures will be continually introduced to enhance understanding of subject matter. Prerequisite: (Art I)

530 ART III

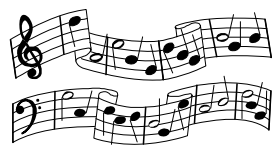
(11th, 12th) .5 Credits

This course is designed to allow the serious art student to explore specific art fields including drawing, painting, printmaking, animation, sculpture and commercial design. The goal of this course is to assist the student in building a portfolio, which demonstrates the student's artistic ability and also the student's ability to express and communicate ideas in art form. (Prerequisite: Art I and Art II.)

535 INDEPENDENT STUDY ART

(11th, 12th) .5 Credits

This course is designed for any student that has completed Art I, II, & III and has permission of the instructor and would like to further pursue new ideas in the arts. The student primarily makes up the direction of this course with the instructor as an advisor.



Performing Arts

595 CONCERT BAND

(9th) 1 credit

This band includes all ninth grade band members and is a performing concert organization that performs three or more concerts per year as well as performing at MSBOA band festivals. An informal placement audition is required for all students entering the band program from

another school district or reentering the band program after an absence of one semester or more. These students may be placed in either the concert or symphonic band at the discretion of the director. All students are required to perform an audition for placement purposes. Students who participate in the Concert Band gain valuable experience with the technique, expression, and independence necessary to continue on to the Symphonic Band.

598 SYMPHONIC BAND

(10th, 11th, 12th) .5 credit

This band includes all band students in grades ten through twelve and may include a limited number of ninth graders who exhibit exceptional musicianship and self-discipline. Auditions are required of all students who participate. An informal placement audition is required for all students entering the band program from another school district or reentering the band program after an absence of one semester or more. These students may be placed in either the concert or symphonic band at the discretion of the director. The Symphonic Band is a performing concert organization dedicated to quality performance of fine band literature. The Symphonic Band performs numerous concerts throughout the year, and also performs at MSBOA band festivals.

MARCHING BAND

(9th, 10th, 11th, 12th) .5 credit

The Panther Marching Band includes all band members in grades nine through twelve. The band performs at all home football games and also participates in marching festivals, parades, and various other community events. The marching band rehearses daily during the first marking period, and when necessary throughout the rest of the school year. All members of the marching band must also perform as members of one of the performing concert organizations during the second, third, and fourth marking periods.

590 INDEPENDENT STUDY MUSIC SKILLS (11th, 12th) **.5 Credit**

This class is available to eleventh or twelfth graders who are members of the band or choir but needs a more detailed understanding of musical concepts.

Students work in all of the following areas: music theory and notation, ear training, orchestration, and music history. Students are introduced to the use of personal computers in various musical applications, and are required to complete a final arranging project using both traditional and computer notation techniques. Written permission from the band or choir director is needed before signing up for this class.

603 CONCERT CHOIR

(9th and 10th) **1 Credit**

An audition-only vocal-performance class dedicated to quality performance of fine choral literature for beginning choir students. This class will focus on the basics of singing and improving the quality of the voice and will represent Pennfield Schools at various adjudicated events. Beginning music theory, ear training, vocal technique, and ensemble technique will be learned in this class.

604 CHORALE

(11th and 12th grade or permission by the director) **1 Credit**

An audition-only vocal-performance class dedicated to quality performance of fine choral literature for advanced students who are seriously interested in performing all styles of vocal music. This choir will represent Pennfield Schools at various top-level vocal events and adjudicated events, including MSVMA festivals, and other area competitions. Intermediate and advanced music theory, performance techniques, and ear training will be learned in this class.

VARSITY GOLD

(11th, 12th grade or permission given by instructor) **1 credit**

An audition-only vocal-performance class that will explore popular styles of music from Broadway to jazz. This will be a small ensemble consisting of no more than 16 singers and will represent Pennfield Schools at various competitions around the state. In

addition to singing, this class will also be focused on dance and movement to accompany the music.

BASIC ACTING

(9th, 10th, 11th, 12th) **.5credit**

This semester long class will focus on the basics of acting. Students will study memorization techniques, characterization, stage direction, set design, and the art of observing drama. In addition there will be time spent on the origin of the drama including Greek and Roman Theater. Students will also work on the drama productions at the school.

ACTING II

(9th, 10th, 11th, 12th) **.5 credit**

This semester class is a continuation of Basic Acting. Students will continue to work on the art of acting with focus on memorization and character development. This class will require the student to memorize several monologues and participate in putting plays together for "Drama Night", which will be a public performance during the semester. (Prerequisite: Basic Acting)

INTRODUCTION to THEATER

(9th, 10th, 11th, 12th) **.5 credit**

This semester long class will look at theater from a historical perspective. Students will study in depth several types of theater including Greek, Roman, Oriental, European, Medieval, Spanish and American. Special attention will also be given to the art of script writing and students will write their own scripts as well. (Prerequisite: Basic Acting)

BUSINESS

629 INTRODUCTION TO BUSINESS

(9th, 10th, 11th, 12th) **.5 Credits**

In this course students will learn what the business world is about, how it works, and its impact on today's society and everyday lives. Students will also have a chance to learn what steps they can take to prepare for success in their future careers. Students will have an opportunity to study: the economic environment, business and

government, technology for business decisions, careers in our economy, consumers in our economy, financial institutions and banking services, credit in our economy, saving and investment strategies, risk management, personal financial management, and small business management.

630 RECORD KEEPING I

(9th, 10th, 11th, 12th) .5 Credits

This is a one-semester course covering all the basic record keeping and simple bookkeeping procedures. The student will learn to handle and prove a checking account, keep a petty cash fund, keep a personal and family budget, handle sales slips and use sales and cash receipts journals. Emphasis will be placed on using electronic spreadsheets and basic recordkeeping software. Accounting students cannot take this class.

631 RECORD KEEPING II

(9th, 10th, 11th, 12th) .5 Credits

Record keeping I is a prerequisite for this course. This class continues the bookkeeping procedures. Students will learn to keep stock records, purchase invoices, and accounts payable ledgers. Students will learn payroll procedures for a small business, and be able to find withholding taxes and compute social security taxes. Continued emphasis will be placed on using electronic software.

650 ACCOUNTING I

(10th, 11th, 12th) 1 Credit

This course is a basic introduction to Accounting. Material covered will include the double entry system of recording business transactions and keeping a set of books for an individual in a sole proprietorship. Interpretation of financial statements will be included. Students will use the computer lab and will learn to do automated accounting. There will be many opportunities to use the latest software in accounting. This course is a valuable prerequisite for college accounting or is important for any person interested in a management or secretarial position.

665 ACCOUNTING II

(11th, 12th) 1 Credit

Accounting I is a prerequisite for this course. This course is a continuation of Accounting I with major emphasis on departmental accounting, partnership accounting, and corporation accounting. Students will be in the computer lab and automated accounting will be taught. This class is a must for students going on to college with an interest in the business-related professions.

Pennfield participates in Kellogg Community College articulation program in Accounting. Students that have completed 2 years of Accounting with a "B" or better can meet the prerequisite requirement for Accounting 101 and can go directly to Accounting 102.

LIFE MANAGEMENT

700 NUTRITION I

(9th, 10th, 11th, 12th) .5 Credits

A one-semester course with the emphasis placed on nutrition and basic food preparation techniques. Students will participate in lab work that will apply principles learned in each unit of study.

710 NUTRITION II

(9th, 10th, 11th, 12th) .5 Credits

A one-semester course that emphasizes the preparation of foods not covered in Nutrition I and having a more advanced study of nutrition. Students will participate in lab work, which will apply principles learned in each unit of study. Prerequisite is Nutrition I.

770 PARENTHOOD/CHILD DEVELOPMENT

(9th, 10th, 11th, 12th) .5 Credits

Emphasis of this course is placed on parenthood as an informed choice, realities of parenthood, physical, social, and career adjustments. Also included is a section of day care settings and the adjustments of a single parent and a stepparent. Study of the physical, social, intellectual and emotional development of children from birth through early preschool age. This is a valuable

course for any student selecting a career working with children.

780 FAMILY RELATIONS

(10th, 11th, 12th) .5 Credits

This one-semester course studies the role of an individual in a family situation. Studies will be in the area of defining self, understanding others, building relationships before marriage, the marriage, family health, resolving family crisis and managing independent living.

CAREER EXPLORATION

JOB SEARCH SKILLS & STRATEGIES

(11th, 12th) .5 Credits

This semester course will be an investigation into the basic skills and strategies involved in a job search. It will focus on learning to use all available career resources including job shadow visits and the Internet. Also included will be the use of personal inventories, writing job resumes and letters of application, preparing for interviews, doing mock interviews, and assembling an individual career portfolio. This course will also incorporate workshops with industry volunteers in coordination with Junior Achievement activities.

EXPLORING TECHNOLOGY

(9th, 10th, 11th, 12th) .5 / 1 credit (depending on length of course)

Exploring Technology is a one or two-semester modular-based course where students have the opportunity to study eight different areas of technology. The areas of exploration include: Alternative Energy, Robotics, Materials Science, Manufacturing Technology, Environmental Technology, Communication Technology, and Building Skills (electrical, plumbing, communication, estimating, blueprint reading, and hand tools). Throughout the course students will learn multiple skills through different applications and activities geared toward each module. Students will also learn and demonstrate the importance of teamwork and problem solving through the completion of design briefs and presentations.

PHYSICAL EDUCATION

Introduction to Physical Education (one semester .5 credit) / Health Education (one semester .5 credit)

This is a required freshmen level class and is a prerequisite for any other physical education class offered. This course will develop physical fitness, knowledge of physical fitness and weight training, concepts of team sports which include: history strategies and teamwork.

Leadership, improvement of individual skill and fitness levels, citizenship and social habits will be emphasized. To obtain these goals, the student will be participating in a wide variety of individual and team activities during the semester. The health education portion of class is also a freshmen requirement. This course of study includes the importance of overall wellness. A major emphasis will be placed on the areas of substance abuse, nutrition, fitness, conflict resolution, violence prevention, and human sexuality, which is a State mandated curriculum.

Advanced Team Sports:

(10th, 11th, 12th) One semester .5 credit

This course may be chosen at the 10th – 12th grade levels. This class will cover the same areas as the Introduction to Physical Education Class with the exception that the student will be required to pursue each goal with an increased level of intensity. The student will also be required to research each area covered and present information in regards to the particular subject matter. This class may be taken as the additional semester credit for physical education. Prerequisite is Introduction to Physical Education.

920 WEIGHT TRAINING I

(10th, 11th, 12th) .5 Credits

This course is an introductory class to the Bigger, Faster, Stronger curriculum. It is an extensive concentration in weight training and physical conditioning. This class is performance graded using the 9 recognized areas set up in the BSF curriculum.

776 SEMINAR

(9th, 10th, 11th, 12th) 1 Credit

Seminar is a four year required course (a.m. CACC and Math/Science Center students are exempt) of all students who attend Pennfield High School. This course is designed to be an educational extension of the students' regular scheduled classes. It is for enrichment, encouragement, remediation and reinforcing concepts taught in those classes.

The following course of study must be determined by the student's Individualized Education Plan (IEP). This course of study will follow three central themes as determined by each student's disability.

936 ACADEMIC SUPPORT

(9th, 10th, 11th, 12th) .5 Credits

This course is designed to give students an opportunity for individualized or small group remediation to successfully complete general education coursework. Emphasis will be placed on developing organizational skills, completing assignments, and test preparation.

938 Language I

(9th, 10th, 11th, 12th) 1 credit

This course is part of a comprehensive program which focuses on the essential areas of Language Arts. It integrates direct instruction in phonemic awareness, decoding, spelling, vocabulary, fluency, expression, comprehension, and writing. This course covers the first 9 units of this curriculum.

941 Language II

(9th, 10th, 11th, 12th) 1 Credit

This course continues the instruction in essential areas of language arts with units

10 through 18 of a comprehensive language arts program. The focus is on expanding vocabulary and comprehension, along with additional practice in writing and editing.

943 Language III

(9th, 10th, 11th, 12th) 1 Credit

This course continues the instruction in essential areas of language arts with Units 19 through 27 of a comprehensive language arts program. The focus is on decoding and encoding multi-syllable words, and understanding the roots and meanings of more sophisticated vocabulary.

946 Language IV

(9th, 10th, 11th, 12th) 1 Credit

This course continues the instruction in essential areas of language arts with Units 28 through 36 of a comprehensive language arts program. The focus is on expanding grammar and composition through narrative and expository writing. It also provides more practice with reading and listening comprehension.

948 BASIC Algebra

(9th, 10th, 11th, 12th) 1 Credit

This course will cover use and application of fractions, decimals, ratios, percent, and measurement. This will be done through problem solving mental arithmetic, and calculator use.

950 SCIENCE

(Grades 9th, 10th, 11th, 12th) 1 Credit

Basic Science – This course is designed to give students basic knowledge in science. It will consist of many courses of nature, communicable diseases, substance abuse, humane treatment of animals, and the weather.

Basic Earth Science – This course is designed to give students basic knowledge in earth science. The course will offer an explanation to the many natural phenomena around and in the earth. Emphasis will be placed in the areas of plate tectonics, natural resources, geology, and geography.

Basic Biology – This course is designed to give students basic knowledge in biology. Emphasis will be placed on cell organisms, plant and animal classification, atomic structure, and ecological relationships.

955 SOCIAL STUDIES

Map Skills – In this course students will learn the importance of maps, how to read a map, how to interpret a map, and how to give directions.

U.S. History – Students will learn the basics of our history, what war is, American civilization, Civil War, World Wars, Vietnam War, oppression, and how these have impacted the world today.

Government – In this course students will explore the United States Government. They will learn about the Constitution and its implications, the difference between local, state and federal government, the importance of the law, citizenship, voting, and taxes.

960 SOCIAL SKILLS

These courses will be designed to help students with daily living skills. They will learn skills in the following areas: phonebook, meal preparation, clothing, recreation leisure, living arrangements, survival vocabulary, transportation, insurance, childcare, and personal social skills. In this class we also work on our business; Pennfield Customs. This is a “real” business where we design and sell clothing apparel. The students in this class are treated as employees who are asked to do a job. The goal of the business is to gain work skills and experience, learn about how to run a business, and work as a member of a team/staff.

Self-Determination Class

(9th, 10th, 11th, 12th) 1 credit

This class is for Special Education students who wish to learn specifics about their disability and how to advocate for themselves. The class is dedicated to self-awareness and self-advocacy in order to help students’ transition into independent living. The students will participate in class discussions, goal setting, self-awareness

projects, and will lead their own IEP meetings.

965 Job Skills

(9th, 10th, 11th, 12th) .5 credit

This course is designed to assist students to the World of Work. Students will learn and be able to demonstrate basic job skills and appropriate work behaviors. Included will be the use of personal inventories, writing job resumes, letters of application, preparing for interviews, mock interviews, and creating career portfolio. In this class we also work on our business; Pennfield Customs. This is a “real” business where we design and sell clothing apparel. The students in this class are treated as employees who are asked to do a job. The goal of the business is to gain work skills and experience, learn about how to run a business, and work as a member of a team/staff.

970 WORK STUDY PROGRAM

The Pennfield High School Work-Study Program will allow high school students the opportunity to work at local area companies for half of the school day. This program allows students to earn high school credits. The student involved in this program must be a junior or senior or at least 17 years of age.

INDEPENDENT STUDY PROGRAM

Independent student is a privilege that may be offered to a student under the following conditions:

1. Students wishing additional course work by independent study may be assigned by the department head and instructor to supervise the independent study. The assignment is contingent on the instructor’s acceptance of the assignment.
2. In the case of scheduling conflicts, the department head, the student’s guidance counselor and the assistant principal will determine the best possible educational solution. If

independent study is indicated, there are three conditions.

- a. Only the teacher of a scheduled class may supervise an independent study class.
- b. Credit earned will be designated as independent study-specific discipline.
- c. A plan of study must be written and agreed upon by the teacher, counselor, assistant principal and the student. This plan must be on file with the administration.

CALHOUN AREA CAREER CENTER

Students at Pennfield High School have the opportunity to attend CACC during the 11th &/or 12th grades. The programs that are available to them are as listed below.

ARTS and COMMUNICATIONS

Graphic Communications Technology

Students will explore and develop skills in all aspects of the graphics industry, from design to completion of printed media in this two-year class. Students use professional graphic software programs to design media, such as brochures, posters, and other printed messages. Students also learn skills in the production printing stages of pre-printing, printing, and finishing. Successful students will be prepared to enter careers in most areas of the Graphics field as well as obtain advanced placement in related college programs.

Business, Management, Marketing & Technology

Computer Networking

Computer Networking is a two-year program that focuses on network and servers in alternating years. The Cisco portion of the class teaches students how to pull network cables, program routers and

switches, and configure client computers. The server portion of the class teaches students how to manage Windows and Linux servers. Successful students will have the opportunity to take the following industry tests: CCNA, Linux+, A+ and network.

Culinary Arts / Hospitality

The Culinary Arts / Hospitality Program is designed to be a two-year program that incorporates the National Restaurant Associations "ProStart" curriculum. Students will explore potential career paths in the food service industry, with emphasis on technical skills, customer relations, restaurant organization, and the "ServSafe" sanitation program. Students will complete career exploration and study projects in the hospitality industry, which include lodging and travel/tourism. Students who successfully complete the program will receive a nationally recognized certificate.

Marketing Education

Students will develop skills and knowledge in the major fields of Marketing and Entrepreneurship (starting their own business). Areas of study will include retailing, advertising, professional sales and marketing, human relations, finance, business and economic principles, and business start up and related academic skills. Students will utilize various computer software in order to produce reports, prepare presentations, prepare advertisements, and other documents as needed for business. Students will have the ability to explore e-commerce/business management. The capstone activities are the development of a comprehensive business plan and a professional sales demonstration. Students may become members of DECA, a national marketing student organization. DECA provides leadership opportunity and student competitions. **Marketing is a one-year curriculum.**

Engineering/Manufacturing & Industrial Technology

Automotive Service Technology- (AST)

The AST Program prepares students for preventative maintenance and certification in engine performance, electrical systems, air conditioning, brakes, steering and suspension, engines, and drivelines. AST utilizes the National Automotive Technician Education Foundation (NATEF) program standards.

Collision Repair Technology

Students learn basic hands-on skills including sheet metal repair, M.I.G. welding, plasma arc cutting, uni-body repair, sanding techniques, plastic repair, refinishing using NATEF program standards. Emphasis is placed on the repair of damaged vehicle exteriors.

Computer Aided Drafting

In the computer aided Drafting (CAD) Program, students learn basic drafting fundamentals in AutoCAD and SolidWorks, as well as advanced 3-D CAD skills. CAD offers exploration and project based learning in Architecture, Interior, Fashion, Mechanical, Automotive, and Aeronautical Design, Civil Engineering, and more!

Construction Technology

Students learn the fundamental components of the following systems: drywall, painting, heating, framing, roofing, and roof coverings. In addition, they will install floors, walls, partitions, siding, cabinetry, and trim in a practical, hands-on laboratory and school-supervised job site environment.

Electrical/Electronics Technology

A customized core curriculum will be taught the first semester of each year to all students. Students will then choose one of two specialty areas for the second semester. The specialty areas for 2007-2008, will be Machine Automation Technologies, focusing

on Industrial Automation and Electrical/Electronics, or Instrumentation Technologies, with a focus on Avionics and Instrumentation. The specialty areas for 2008-2009, will be Residential Wiring Technologies, with the focus on Home Automation and Residential Wiring, or Industrial Maintenance Technologies, with a focus on Industrial Repair and HVAC/Refrigeration. Neither year is a prerequisite for the other.

Machining Technology

Based on the National Institute for Metalworking Standards (NIMS), completers of the program may apply for NIMS certification. Students work on a variety of precision metalworking equipment, including lathes, mills, drill presses, surface grinders, and computer Numerical Controlled (CNC) machining. Classroom time focuses on employability skills as well as learning technical information.

Power Equipment Technology (PET)

Students prepare to work on large diesel and gasoline powered equipment. They receive hands-on experience using the latest tools and service equipment. They are trained in servicing techniques and learn the importance of good work habits while repairing recreational lawn and garden, agricultural and construction equipment, and medium and heavy duty trucks.

Welding Technology

The welding Technology Program prepares students for skills in stick-arc, MIG, TIG, and oxy-fuel welding. Students spend time in welding booths and transfer learned skills doing repairs and projects.

Health Science

Health Career Prep

Health Careers Prep is designed for those students who have an interest in health careers but are looking for something less traditional. The program offers a wide range of experiences which include

exposure to college level course work with the opportunity to obtain college credit. A course in medical assisting will provide students with basic medical skills in patient care, records management, and medical communication. Students will explore careers such as athletic training, substance abuse counseling, dietary science, and forensic science. Unique to this program is that the area of study will vary from year to year based on student interest and the job market. All areas of study will conform to the Michigan Department of Education guidelines for health studies.

Health Occupations

The Health Occupations Program provides students with basic patient care skills and an opportunity to explore a wide range of career options in the health care field. Classroom instruction, clinical experiences, and work based opportunities are included in the curriculum. Students complete a core of skills mandated by the State of Michigan

21st Century Health Careers

The 21st Century Health Program is designed to introduce high school juniors and seniors to potential career paths in the health care industry. The program was created as partnership between Battle Creek Health System, Kellogg Community College, and the Calhoun Area Career Center. Students will receive an introduction to a variety of health career skills including: clinical skills, medical ethics, human anatomy, communication, medical terminology, emergency procedures, and many more. During the two years in the program, students will take three Kellogg Community College classes, for a total of 11 credits. Following the introduction, students spend a portion of each month in a hospital or other medical setting. Students become part of an interesting and challenging team, learning new skills with professionals in the medical field. **This is an application process program.**

Human Services

Early Childhood Education

The early Childhood Education Program prepares students to work with the and educate children from birth through eight years old. The student will gain skills and knowledge in development, discipline, health, safety, communication, planning, preparing, and presenting activities, along with others. The program also provides the students with practical work experience in our preschool and various programs in the community.

Education Academy

The Education Academy will provide an opportunity to explore education as a career field. In addition to coursework at CACC, students will extern at various K-12 educational sites within the Calhoun Intermediate School District. Local educators will act as preceptors; students will examine the multiple responsibilities and roles of a K-12 teacher; effective teaching practices; human growth and development; develop an understanding of school structures, operations and policies; and explore critical issues in education. **This is a one year application process program.**

Law Enforcement

Law enforcement/Criminal Behavior will focus on the major areas of criminal law and procedures and criminal behavior. **Law Enforcement** students will explore and prepare for careers in criminal justice, corrections, and related fields. Major areas of study include: Police investigation, criminal psychology, crime scene investigation (CSI), corrections, legal issues, security, human relation, police operations, and administration.

Criminal Behavior students will explore the minds of the criminal, what motivates them, and the methods behind their actions. Criminal Behavior will take the student from the elementary level of criminal psychology

into the minds of some of the most notorious criminals. Students will be given the opportunity to solve some of the most bizarre crime scenes. **This is an application process program.** Students may attend one or two years. Neither year is a pre-requisite.

Natural Resources & Agriscience

Environmental Sciences Technology

Environmental Sciences Technology (EST) focuses on skills needed for the exciting new careers in biological and environmental technologies. Plant growth is central to the curriculum as students will explore soil-based and hydro-ponic (water based) growth along with aquaculture (fish and sea food), bio-technology and natural resource management. Students will explore the use of computer technology in environmentally controlled growth systems and engage in advanced placement in biology labs. This is a two-year program. Science credit may be available for this program.