

Huntingdon Area High School

SCHEDULING PACKET

2011-12



COURSE SELECTION SHEETS DUE TO
GUIDED STUDY TEACHER:

FRIDAY, FEBRUARY 25, 2011

SCHEDULING GUIDELINES AND COURSE DESCRIPTIONS

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GENERAL INFORMATION

GUIDANCE OFFICE MISSION

“We strive to meet the needs of every student academically, emotionally, and socially, to enhance the learning environment and to help each student be successful in the future.”

9th and 10th Grade Counselor

Miss Melanie Hunt - Phone 641-2134

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11th and 12th and Online for Last Names A thru L

Miss Shannon Sechrist – Phone 641-2146

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11th and 12th and Online for Last Names M thru Z

Mrs. Amanda Easter - Phone 641-2144

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High School Guidance Secretary

Mrs. Tammy Russell - Phone 641-2156

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College Advisor

Miss Mary Laphen - Phone 641-2156

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Guidance Office Fax Number: 814-641-2157

STAYING INFORMED!

EDLINE

Student grades and progress reports are now available on the internet through a program called Edline! Students and parents were previously provided with Edline login instructions.

Teachers post grades onto Edline on a regular basis and as a result, you can view student progress at any given time. You can also set up your account to send you e-mail alerts each time a grade is posted.

You can access Edline one of two ways:

- 1) Go to the Huntingdon Area School District website at <http://www.huntsd.org>. From there, click on the icon labeled “Gradequick/Edline.” This will take you to the login page for Edline; or,*
- 2) Go directly to <http://www.edline.net> to get to the login page.*

If you have any questions about Edline or no longer have your login instructions, please contact Ms. Kammy Laird at 643-1080, ext. 1013.

HASD WEBSITE

Valuable information for students and parents is available on the Huntingdon Area School District website at <http://www.huntsd.org>. Click on Schools, then High School. Some of the items appearing on the high school’s main web page include: graduation project packet, scheduling packet, SAT test date information, FAFSA information, senior portfolio guidelines, scholarship information, and much, much more. Visit the website frequently for up-to-date events and news.

SCHEDULING PROCESS

- * Students will receive copy of their high school transcript and a scheduling packet (Current 8th graders do not have a transcript yet);
- * Students will complete the course selection sheet in the back of the scheduling packet and obtain all necessary signatures by the date noted on the front page of this packet;
- * Students will submit the course selection sheet to their homeroom/guided study teacher.

The Guidance Office may choose classes for students who submit late course requests.

DESIGNING YOUR SCHEDULE

Use the checklist below to assist you in designing your schedule:

____ Review your transcript to determine classes you need to schedule.

____ Am I taking advantage of the opportunities the curriculum offers in terms of my interests and abilities? **See your Guidance Counselor for specific information on career pathways and curriculum options.**

____ Review the promotion standards listed on page 6. Schedule enough credits to ensure promotion to the next grade. Your schedule should include a minimum of 6.5 credits each year, but no more than 8.75 credits. Remember...one class that meets every day for the full year is worth 1.25 credits. Refer to the course descriptions for specific credits earned in each course.

____ If you're entering 12th grade, review the graduation requirements on pages 7 and 8 to be sure you schedule enough credits to graduate and have met all other graduation requirements (i.e., PSSA requirements and core curriculum requirements).

____ Decide whether you wish to schedule college courses. College course information is listed on page 9.

____ If you're entering 10th grade (11th grade for vo-tech students), remember to schedule the Driver Education classroom phase. The Driver Education classroom phase is required of all students and is normally scheduled in Grade 10 (HCCTC students schedule it in Grade 11). The Driver Education driving phase (behind-the-wheel) is offered on a first-come, first-served basis to students who have obtained their learner's permit or license. The cost for the course, payable by the student, is \$50. **The student must contact the Driver Education teacher during the first few days of the school year to request behind-the-wheel driving.**

____ High school co-operative education programs are available to eligible Vocational Agricultural students; HCCTC students may be eligible through the Career and Technology Center. Arrangements must be made through the Vo-Ag teacher or the HCCTC.

____ Complete the course selection sheet.

____ Be sure you have all necessary signatures on the course selection sheet.

**____ GIVE YOUR COMPLETED COURSE SELECTION SHEET TO YOUR GUIDED STUDY/HOMEROOM TEACHER NO LATER THAN
February 25, 2011**

See your Guidance Counselor if you have any questions!

SCHEDULE CHANGE POLICY

The master schedule is designed each year based on the course requests of students. Every effort is made to match students' needs and interests in the offering of courses and programs. Once classes are scheduled, it is impossible to restructure the school's master schedule to accommodate unnecessary modifications to a student's schedule. For this reason....

PLEASE CONSIDER CAREFULLY THE CLASSES YOU ARE SCHEDULING. DO NOT "TENTATIVELY" SCHEDULE CERTAIN CLASSES WITH THE THOUGHT THAT YOU CAN ALWAYS CHANGE IT LATER. ALTHOUGH CHANGE OPTIONS EXIST, WE CAN BEST SERVE OUR STUDENTS IF SCHEDULE CHANGES ARE KEPT TO A MINIMUM.

General schedule changes are offered two times per school year – during the first two weeks of school and during the last two weeks of the 1st semester. Schedule changes are restricted by the following guidelines:

- ❖ Computer scheduling errors take first priority.
- ❖ Requests for individual teachers will not be honored.
- ❖ Generally, credited courses will not be dropped to add study halls.
- ❖ At the beginning of the school year, schedule change requests that require a detailed re-arrangement of a student's schedule may not be possible to accommodate. Changes requested after the 1st semester absolutely cannot involve re-arrangement of a schedule because of mid-year grades already in the system.
- ❖ Students removed from a course because of conduct or safety violations receive an "F" for that course.
- ❖ Students failing a full-year class may take the failing grade for the year and schedule another class if, and only if, they can be scheduled for a semester course in the second semester.

PLEASE REFER TO THE STUDENT HANDBOOK FOR FURTHER POLICIES AND GUIDELINES

PROMOTION STANDARDS

A final grade of a D- will earn credit in a course and a minimum of 6.5 credits must be earned each year.

The following promotion standards apply to all students:

- A student must earn a minimum of 6.5 credits during Grade 9 and earned English 9 credit to be promoted to 10th Grade status.
- A student must earn a minimum of 13 credits during Grades 9 & 10 and earned credits in English 9 and 10 to be promoted to 11th Grade status.
- A student must earn a minimum of 19.5 credits during Grades 9, 10 & 11 and earned credits in English 9, 10, and 11 to be promoted to 12th Grade status.

Students who fail a required course during their freshman, sophomore, or junior year must successfully make up the course before the middle of August prior to the beginning of their senior year. Students can complete the course in online summer school or, in certain cases, schedule and complete the course during the remaining years prior to graduation.

Students who were not previously promoted to the next grade level will not be moved from one grade level to the next during the school year EXCEPT those students who would be entering their senior year (12th grade) but did not have the required 19.5 credits at the beginning of the school year. Students will be re-evaluated at the end of the first semester and will be moved to the senior Guided Study if they are in good academic standing in their courses, attendance is acceptable, and will be able to earn sufficient credits to graduate by August.

GRADUATION REQUIREMENTS

CREDIT AND CORE CURRICULUM REQUIREMENTS

All students must complete a core program of courses that have been organized to educate students to become lifelong learners and productive citizens. Sequences of courses provide for proficiency and understanding in the major disciplines. **A minimum of 26 credits is required for graduation.** The completion of the core curriculum (outlined below) plus additional elective credits meets these guidelines.

Students will be limited to a maximum of two study halls each day. Exceptions will be made only for those students that participate in the work release program, co-op programs, are participating in Juniata College courses, or as requested in an IEP. Any student dropping a course after the first three (3) weeks of the semester will receive a failure for the course, and no course will be dropped to add a study hall, even if the student's current schedule is below the limit.

The core curriculum provides students the opportunity to develop proficiency in a broad range of curriculum content areas. The scope and sequence of courses provides a solid academic foundation upon which to develop individual talents and interests. All students are expected to complete the required number of credits in each area.

English (4 Courses)	5.00	credits
*Social Studies (3 courses)	3.75	credits
Mathematics (3 courses)	3.75	credits
Science (3 courses)	3.75	credits
Physical Education and Health (4 courses)	2.50	credits
Design Fundamentals (Art) (1 Course)	0.313	credits
Music (1 Course)	0.313	credits
Family and Consumer Science (1 Course)	0.313	credits
Driver Education (1 course)	0.20	credits
Business Information Processing (1 course)	0.625	credits

*Social Studies requirements: US History, American Government, Economics and an additional 1.25 history credits.

NOTE: All classes/courses listed in this packet meet every day of the cycle, unless otherwise noted in the course description.

GRADUATION PROJECT

All students must complete a graduation project that demonstrates their ability to read, write, and problem solve at the high school level. Working with a high school English teacher and a hands-on project advisor, each student will write a research paper and complete an independent project in an area of student interest. Unless otherwise approved by the administration, students should choose community-oriented projects. The graduation project is begun during the 11th grade year. Information and a graduation project packet are provided to students at an in-school assembly. Additional packets are available on the high school's page of the HASD website and on Edline.

Students who have not completed all aspects of the graduation project by the deadlines set forth each school year will be considered ineligible for graduation and will, therefore, NOT be able to participate in graduation ceremonies.

Also note: HAH students who do not complete the graduation project research paper in 11th grade English class will be required to complete it as a "summer school" course at a cost to the student.

PORTFOLIO

All high school students maintain a portfolio of their best educational work. **Beginning in 9th grade, students should collect class work items that demonstrate the achievement of course standards.** During the graduation project presentations, students use portfolios to showcase their educational achievements. Portfolios should be neatly presented in a hardcover binder.

In addition, students must complete one online career search per year for 9th, 10th, 11th and 12th grades, and the career search results must be included in the senior portfolio. Instructions for doing the career search are on the high school's web page and are available in the Guidance Office.

PENNSYLVANIA SYSTEM OF SCHOOL ASSESSMENT (PSSA) EXAMS

The Pennsylvania Department of Education mandates that all Pennsylvania students pass the Pennsylvania System of School Assessment (PSSA) exam with a rating of "Proficient" or better in order to graduate from high school. The PSSA exam is administered during the junior year in the following subject areas: Writing; Reading and Math; Science. Students unable to score proficiently their junior year may re-test their senior year. **If students do not score proficiently or better on the PSSA exam, they must pass the District-adopted assessment which will be announced at a later date.**

The following PSSA exams will be given in 2011-12:

12th Grade Re-tests for Math, Reading and Writing
11th Grade Math and Reading Assessment
11th Grade Writing Assessment
11th Grade Science Assessment

SPECIFIC TESTING DATES WILL BE ANNOUNCED.

COLLEGE COURSES

Students can take college courses through agreements with Juniata College, Penn Highlands Community College and DuBois Business College. These courses can be taken for college credit OR as dual enrollment at the student's expense with the possibility of being reimbursed depending on grant monies available. Course information for these classes will be available in the fall. Please note: College courses taken at a college cannot be used as a substitute for core/graduation requirements at HAHS. In addition, if you sign up for this type of college course and fail to complete it, you must replace that timeframe with a class (not study hall) at the high school.

Regardless of dual enrollment or college credit classes, students still need to meet high school graduation requirements, and these take precedence over all else.

Grading of College Courses: Any college course that is NOT a required high school course will be graded as a Pass/Fail on the high school transcript. Any college course taken as a required high school credit will receive a percentage grade.

For more information, visit www.huntsd.org, click on Schools, then High School, and look for the following links: Dual Enrollment/College Courses Guidelines; Dual Enrollment Reimbursement Form; Juniata College Class Registration.



New Classes/Changes in this year's Curriculum:

NEW COURSES:

Handbell Choir
Math Lab (for credit)
English Lab (for credit)

NO LONGER OFFERED:

Greek & Roman Mythology
The Arthurian Legend
Senior Shakespearean Drama
World Literature
Sports Writing
Speech
Instrumental Instruction

ELECTIVES OFFERED

This list includes MOST of the electives offered at HAHS. Please see the individual sections for Social Studies, Math, Science and Language Arts for any additional classes not part of the required curriculum.

<u>Name of Class</u>	<u>Page</u>
Advanced Art I AND II	13
Advanced Business Information Processing	32
Advertising	33
Agricultural Science classes	31 & 32
Art I	13
Band 9	15
Books for Life	19
Business Law	34
Chamber Singers	15
Choral 9	14
Choralairs	15
Classical Literature	20
Concert Band	15
Creative Writing	20
Digital Imaging and Desktop Publishing for Business	33
Dramatic Literature	19
English Lab	19
Guitar Class I AND II	15
Handbell Choir	15
How to Study (9 th Grade)	17
Individual and Family Studies classes	35
Industrial Arts classes	35 & 36
Interdisciplinary Science Research	27
International Foods	35
Journalism	19
Leadership 1 and 2	34
Management	34
Marketing	33
Math Lab	24
Medical 1 AND 2	34
Modern (Foreign) Languages	21 & 22
Modern Themes in Classic Films	20
Music Appreciation	14
Music Theory I AND II	14
PA and Local History	30
Personal Finance	34
Poe & Dickens (Victorian Age Writers)	20
Principles of Sociology (PHCC Dual Enrollment)	31
Psychology	31
Reading and Writing Poetry	19
SAT Prep –Critical Reading	18
SAT Prep - Mathematics	24
Science Fiction	20
Science Fiction Writing	27
Succeeding in the World of Work	33
Theatre Workshop	19
Victorian Novels	20
Voice Class I AND II	14
Web Design I AND II	33
Web 2.0 Tools	33
Youth and the Law	31

COURSE DESCRIPTIONS

DRIVER AND TRAFFIC SAFETY EDUCATION

Philosophy

The ultimate goal of driver and traffic safety education is to help youth acquire the understanding and maturity of adulthood so that they are fully prepared to enter, survive and succeed in the highway transportation system – and in the larger world which that system opens for them.

To help students achieve these goals, we offer two phases of instruction:

1. Classroom Phase – The classroom phase is required for all sophomores, except those students enrolled at the Huntingdon County Career and Technology Center (Vo-Tech). Vo-Tech students take the classroom phase during their junior year. The Driver Education Class is required in order to graduate.
2. Driving Phase – A driving schedule is set up compatible with the student’s regular schedule. This part of the program is open to any student 16 years of age or older, regardless of year in school. The student must have a validated Pennsylvania Driver’s License or Learner’s Permit. Unlike the Classroom Phase, the Driving Phase is not a graduation requirement.

DRIVER EDUCATION CLASS (10th grade; 11th grade vo-tech students)

Course #960

Marking Period

.20 credits

Part 1: Classroom instruction, thirty (30) hours, concerning the mastery of information related to the safe driving of a motor vehicle. Driver behavior, laws concerning operation, correct attitudes of social responsibility, and the development of the ability to think independently and critically about driving safely are all considerations.

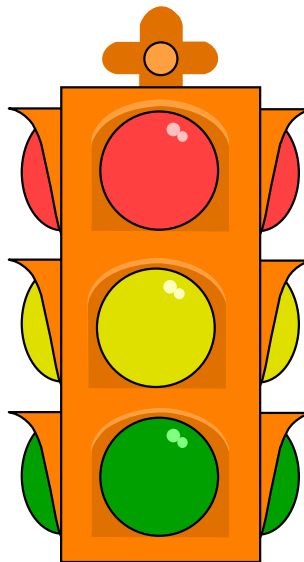
DRIVER EDUCATION DRIVING (Behind-the-Wheel)

Sign-Up with Teacher

Six hours

.10 credits

Part 2: Six (6) hours of behind-the-wheel instruction of driver education course concerns the practical application of information being applied to the operation of an automobile safely and skillfully. A sign-up sheet is available in the office the first week of school. Summer driver is also available, with sign-ups taking place at the end of the school year. Sign-ups are on a first come, first serve basis. Students should listen for announcements, or speak directly with the Driver Education teacher.



FINE ARTS

ART

Philosophy

The teaching of Art is basic to individual development because it awakens the senses. It is a means of expressing the experience of the present and developing a vision for the future. If properly taught, it establishes in students an appreciation for the importance of design in American and other cultures. At the Huntingdon Area High School, we strive to encourage self-expression and creativity as well as an understanding of how the arts are a mirror of the culture in which we exist. This reflection is becoming more important as our environment is threatened and our society becomes more global.

DESIGN FUNDAMENTALS (*PREVIOUSLY INTRODUCTION TO ART*)

No Prerequisite

Course #829

Marking Period

.313 credits

This is an introductory-level art course. Design Fundamentals offers students the opportunity to develop the elements and principles of design in their own work and explore their use by the masters. Design Fundamentals is primarily a lab situation that encourages students to explore their individuality and creativity through drawing, painting, graphics, and various other media. This course is an excellent preparation for students who plan an emphasis in Art. At the same time, it provides basic knowledge and understanding for those not planning further art education. This class meets all state standards for graduation.

ART I (10th through 12th)

Course #821

Year

1.25 credits

Prerequisite: Design Fundamentals or Introduction to Art (exceptions by Administration only)

This course is devoted entirely to developing drawing skills. The first half of the year concentrates on basic concepts of line, shape, and space. Students become adept at contour drawing while they follow a series of exercises designed to develop the right side of the brain. The second half of the year is devoted to figure and portrait drawing from live models. Facial and body proportions are stressed, as well as the use of line to capture the position and detail of the body.

ADVANCED ART (11th or 12th)

Course #824

Year

1.25 credits

Prerequisite: Art I or another advanced level Art class (exceptions by Administration only)

Advanced Art is an upper level course that provides students with the opportunity to select the media they wish to study. It is suggested that students have a strong background in drawing and design. Class size is limited and independent studies are encouraged. Students have a chance to explore their creativity and find the medium that best allows them to express it. Areas of study include, but are not limited to: pottery, airbrush; watercolors, pen and ink, graphics, acrylic painting, and mural designs. This variety provides an excellent opportunity for students to expand their portfolios.

ADVANCED ART II (11th or 12th)

Course #825

Year

1.25 credits

Prerequisite: Art I or another advanced level Art class (exceptions by Administration only)

This is an advanced level art class limited to senior students who meet the prerequisite. It is an opportunity for students to compile an art portfolio and to explore media of "their choice." Class size will remain limited in order to enable a number of students to be working simultaneously in various media and also to ensure the opportunity of exposure to activities, workshops, and museum visits beyond the classroom environment.

GUITAR CLASS I (9th through 12th)**Course #818 Semester .625 credits**

This class is designed to offer the beginning guitar player the basic rudiments of first position chords, simple melodic note reading, varied strumming patterns, and beginning classical guitar picking patterns. Music literature for the course consists of folk and pop songs. Students must provide their own guitar, although having prior experience/lessons on guitar is not necessary.

GUITAR CLASS II (10th through 12th)**Course #828 Semester .625 credits****Prerequisite: Guitar I**

Guitar II is a continuation of Guitar I in developing basic guitar rudiments. The guitar literature consists of folk/pop music at a more challenging level. Students will be introduced to various barre chord forms in this course. Students must provide their own guitars and must have attained at least a three (3) in Guitar I in order to successfully attempt Guitar II.

CHAMBER SINGERS (10th through 12th)**Course #850 Year, 3 pds./cycle .625 credits**

A mixed choral ensemble (SATB) whose members are chosen by audition, Chamber Singers provides the serious singer in grades 10-12 with the opportunity to sing more challenging choral literature. Strong musicianship and solid vocal skills are required. Much of the repertoire for this ensemble is a cappella, and public performances are given throughout the year. Chamber Singers join Choralairs and Women's Choir for at least two public performances yearly. Attendance is mandatory.

CHORALAIRS (10th through 12th)**Course #852 Year, 3 pds./cycle .625 credits**

This mixed chorus (SATB) is comprised of students in grades 10-12. Students are presented with a variety of music styles and will be encouraged to further their individual vocal technique, musicianship, and reading skills. Choral literature for this course is medium in difficulty with strong emphasis on musical enjoyment. There will be at least two (2) public performances each year. Attendance is mandatory.

CONCERT BAND (9th through 12th)**Course #841 Year, 3 pds./cycle .625 credits**

This course is open as an elective to any high school student. Past experience in the elementary and/or middle school bands is a plus - but not necessarily required. Concert band is a totally separate organization from the marching band (which is an extra-curricular activity held outside of school time). Students expand their playing ability, and learn greater musicality through participation in both the large group and selected small ensembles. County band, District Band, Regional Band, and All-State Band participants are chosen initially from this group. Since performance is emphasized, students must be aware that there are four required performances for this course throughout the school year.

BAND 9**Course #840 Year, 3 pds./cycle .625 credits**

This course is available to any ninth grade student wishing to be in band. Repertoire for this ensemble consists of a variety of music styles that will be used to develop proper playing technique, musicianship, and basic sight reading skills. Skills acquired in this course will aid the students in participation in the concert band with the upperclassmen every other day. Since performance is emphasized, students must be aware that there are four required performances for this course throughout the school year.

HANDBELL CHOIR (9th through 12th)**Course #853 Semester, 3 pds./cycle .313 credits**

This course is an elective that is open to any student 9 -12 to fulfill the music requirements for graduation. We will discuss proper playing techniques and explore various different styles of music via hand bell playing. The ensemble will perform at the winter and spring music programs as possible community outreach.

HEALTH AND PHYSICAL EDUCATION

Wellness and Lifetime Sports Philosophy

The philosophy of the Wellness and Lifetime Sports curriculum at Huntingdon Area High School is to provide an opportunity for students to acquire a knowledge base for wellness and fitness that encompasses social, physical, and mental health. Students will analyze and adapt their personal wellness through an individualized technological assessment plan. Students will further apply this knowledge through participation, study, and involvement in a wide variety of experiences resulting in a healthy lifestyle. This will be accomplished through fitness, sports and recreation, nutrition, knowledge of the body systems, safety, first aid, and personal health.

REQUIRED WELLNESS/LIFETIME SPORTS CURRICULUM – GRADES 9, 10, 11 AND 12:

- Students in Grades 9, 10, 11 and 12 will take Health and Physical Education for one semester. This class will meet everyday of the six-day cycle, with alternative days of Health, Fitness, and Lifetime Sports.
- Students will be scheduled heterogeneously with combined students from Grades 9, 10, 11, and 12.
- Students will not be permitted to sign up for more than one Physical Education class in a given year.
- The Health/Wellness and Physical Education Grade will be based on an individual plan of assessment and implementation, as well as written tests, personal effort, and attitude.
- The Wellness/Lifetime Sports required uniform consists of the following:
 1. Dark shorts or sweat pants
 2. Light colored plain shirt
 3. Sneakers

HEALTH AND PHYSICAL EDUCATION (9TH, 10TH, 11TH, and 12TH)
Course #921 Semester

.625 credits



LANGUAGE ARTS

ENGLISH

Philosophy

The English curriculum is designed to develop the language skills of all students for use in their personal, social, and occupational lives. It is intended that each student's foundation in language skills be built according to his or her individual potential, and that each student, regardless of range of ability, be motivated by the responsibilities which a democratic society places upon each reader, speaker, writer, and listener. Recognizing that this area of learning is essential to the total program of studies, the language arts department attempts to help each student see the need for learning to communicate and to study effectively.

COMPREHENSIVE/COLLEGE PREP ENGLISH 9

Course #111

Year

1.25 credits

Thinking, listening, reading, speaking and writing skills are developed both through literature and real-life contexts. In addition, critical thinking skills and a sound foundation in grammar are emphasized. The regular study of vocabulary is incorporated into the program as well. These topics and approaches are adapted to all learning levels and will prepare students for subsequent high school English courses, entering the work world, and/or furthering their education in college or other similar post-secondary programs.

ACCELERATED ENGLISH 9

Course #140

Year

1.25 credits

Note: Accelerated English is a highly demanding class specifically designed for students interested in pursuing language or liberal arts careers. Students should be willing to complete 10 to 15 extra readings and papers as compared to the Comprehensive/College Prep class. As a result, it is recommended that students be reading at grade level or above. ADDITIONAL SUMMER WORK IS REQUIRED. Class size is limited.

The accelerated program for Grade 9 is geared to enriching the student's ability through the use of critical thinking skills and a sound foundation in grammar. These two disciplines form the basis for analytical writing, using short stories and classical literature as a background. The regular study of vocabulary is incorporated into the program as well. These topics and approaches prepare students who wish to further their education by entering college or other similar post-secondary programs.

HOW TO STUDY (FOR 9TH GRADERS)

Course # 116

Marking Period

.313 credits

The how-to-study techniques will include note-taking skills, graphic organizers, test-taking strategies and reading strategies. Students will create daily study agendas and use them. The course is divided between learning study skills and practicing them. How-to-Study is for 9th grade students.

COMPREHENSIVE/COLLEGE PREP ENGLISH 10

Course #112

Year

1.25 credits

The Comprehensive/College Prep English 10 course builds on the foundations established in Comprehensive English/College Prep 9 and provides students with a review of the fundamentals of grammar. Emphasis will be on the application of written communication, verbal/nonverbal communication, and listening skills. Vocabulary development will be based on SAT preparation word lists. Topics and approaches are adapted to all learning levels and will prepare students for subsequent high school English courses, entering the work world, and/or furthering their education in college or other similar post-secondary programs.

ACCELERATED ENGLISH 10

Course #143

Year

1.25 credits

Note: Accelerated English is a highly demanding class specifically designed for students interested in pursuing language or liberal arts careers. Students should be willing to complete 10 to 15 extra readings and papers as compared to the Comprehensive/College Prep class. As a result, it is recommended that students be reading at grade level or above. ADDITIONAL SUMMER WORK IS REQUIRED. Class size is limited.

Accelerated English 10 is a class specifically designed for students as a pre-requisite to AP English 12. This class incorporates at a faster pace all aspects of Comprehensive/College Prep English 10 with additional reading, writing, and vocabulary study. Using higher level reading strategies and inferential thinking skills, the Accelerated student will interpret and analyze thematic elements within the assigned reading. Accelerated English 10 also addresses grammatical elements to improve the student's command of style and conventions in writing. Requiring a demanding reading schedule, the literature component will be a comprehensive study of the short story, novel and the play.

COMPREHENSIVE/COLLEGE PREP ENGLISH 11

Course #113

Year

1.25 credits

This course will help students improve their skills in reading, speaking, and listening, as well as continue the development of an appreciation of literature as a real part of living. Areas of study include the essentials in grammar and usage, vocabulary study, group discussion, and American writers of various forms of literature (poetry, drama, short stories, and essays). The course will also include writing instruction and analytical compositions written in and out of class, a research paper, vocabulary enrichment, and a grammar review.

ACCELERATED ENGLISH 11

Course #145

Year

1.25 credits

Note: Accelerated English is a highly demanding class specifically designed for students interested in pursuing language or liberal arts careers. Students should be willing to complete 10 to 15 extra readings and papers as compared to the Comprehensive/College Prep class. As a result, it is recommended that students be reading at grade level or above. ADDITIONAL SUMMER WORK IS REQUIRED. Class size is limited.

A preparatory course for AP English 12, Accelerated English 11 incorporates historical, philosophical, cultural, and religious influences into the chronological study of American literature. Emphasis is placed on literary analysis. Critical reading, writing, thinking, research, and oral communication skills will be applied to analysis of selections which constitute the American experience. Interpretation and evaluation of literature is required by students in both oral and written format. SAT resources are utilized to continue vocabulary development. Genres of study include nonfiction, essays, speeches, poetry, short stories, drama, and novels. Grammatical and stylistic techniques are addressed and implemented through the writing process.

SAT PREPARATION COURSE –CRITICAL READING (10th through 12th)

Course #150

Marking Period

.313 credits

The course is designed primarily for juniors and seniors who are preparing to take the SAT's. Students develop general standardized test taking strategies and strategies recommended specifically for the SAT's. The critical reading section of the SAT's is emphasized. In particular, this course concentrates on vocabulary building, analogy strategies and critical reading skills. This course is graded as outstanding, pass or fail.

COMPREHENSIVE/COLLEGE PREP ENGLISH 12

Course #114

Year

1.25 credits

This senior English course of study provides reading, writing, research, discussion, and oral presentations consistent with the needs of the college-bound student and will focus on communication skills essential for the student preparing to enter the workforce after high school. Emphasis is placed on English literature, with collateral readings in Greek drama and other world classics. Careful attention is given to the process of critical reading and formal writing.

AP ENGLISH 12

Course #147

Year

1.25 credits

Note: AP English is a highly demanding class specifically designed for students interested in pursuing language or liberal arts careers. Students should be willing to complete 10 to 15 extra readings and papers as compared to the Comprehensive/College Prep class. As a result, it is recommended that students be reading at grade level or above. Class size is limited. Student must participate in the AP exam.

This year-long course in Literature and Composition is designed to engage the student actively in careful reading and critical analysis of literature and extensive writing opportunities on that material in preparation for the AP English Literature and Composition Exam. Through a close reading of selected materials, students will deepen their understanding of the ways writers use language to provide both meaning and enjoyment for their readers. Students will consider various works' structure, style and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone.

ENGLISH LAB

Course #100

Marking Period

.313 credits

This course will provide a great opportunity for those students concerned about their regular English class and/or the PSSA taken during the junior year. Not only will the English Lab support materials covered in your English class, but it will also provide valuable practice for the PSSA test. This course is offered during 3rd marking period.

JOURNALISM (9th through 12th)

Course #154

Year, 3 pds./cycle

.625 credits

Prerequisite: Solid writing skills and a desire to improve those skills.

Students are given instruction and practice in newspaper and magazine writing, as well as photojournalism. In addition, emphasis is placed on having students become a discriminating audience for the journalistic media. The basic areas of straight news, feature writing, sports, editorials, and advertising are studied, as well as past and current trends in journalism. The school's newspaper is one of the outcomes of the course. Guest speakers and field trips supplement the basic course work.

BOOKS FOR LIFE

Course #155

Marking Period

.313 credits

Note: This class is open to students in 9th through 12th grade, but preference will be given to 11th and 12th grade students.

Imagine improving your reading skills and increasing your exposure to a variety of fun literature, while at the same time reading the books you personally want to read. Books for Life is designed to improve your skills by reading books you choose. You can choose from books you have at home or from our library. This class will also give you the opportunity to enjoy required pre-college reading. Books for Life is a Pass/Fail course.

DRAMATIC LITERATURE

Course #156

Semester

.625 credits

This course is designed to introduce students to well-known dramatists from Ancient Greece to Modern America. Students will discover the origin and follow the historical evolution of theatre by reading plays from each major era: Greek, Roman, Medieval, Renaissance, Restoration, Elizabethan, Victorian, and 20th and 21st centuries.

THEATRE WORKSHOP

Course #157

Semester

.625 credits

Students will participate in workshop style sessions to reinforce the connections between mind and body for dramatic expression. Student will perform improvisations, monologues, and short scenes. They will also participate in costuming and make-up projects for the stage.

READING AND WRITING POETRY

Course #159

Semester

.625 credits

This course will critique examples of great poetry and then students will write and share their own poems for critique.

MODERN THEMES IN CLASSIC FILMS

Course #160

Semester

.625 credits

Preference is given to juniors and seniors who are taking or have completed U.S. History or at least one English course. The American Film Institute has ranked the top 100 classic films of all time. How many of them have you actually seen? Students will view films from historical, multicultural, theatrical, and literary perspectives in order to evaluate their impact on today's world. Utilizing the interdisciplinary approach, this collaborative Social Studies and Language Arts course is intended to explore classic cinema for applications in modern society.

SCIENCE AND FICTION WRITING

Course #162

Marking Period

.313 credits

This is an elective course offering students the opportunity to combine reading and writing with the cutting edge of science. An English and science teacher will co-teach the class. Students will read and discuss breakthroughs in science and the latest, but often not well known, technologies. These current trends serve as the inspiration for short story writings or op ed reviews. Science would also be emphasized through proper reading of technological/information articles and discussion.

VICTORIAN NOVELS

Course # 163

Marking Period

.313 credits

Students will read the following novels: "Frankenstein" by Mary Shelley and "The Portrait of Dorian Gray" by Oscar Wilde. Students will explore Victorian concepts of science and society as well as discuss modern day connections to science and society. Students will discuss the ramifications of societies without personal restraint and societal restraint. Students will show proficiency in this course by a variety of assessments. Assessments would include class discussions, writing assignments, projects, and exams.

CLASSICAL LITERATURE

Course # 164

Marking Period

.313 credits

Student will read the following texts: "Oedipus Rex" by Sophocles and "Antigone" by Sophocles. Students will explore classical Greek Literature and society and discuss the connections to modern society and literature. Students will show proficiency in this course by a variety of assessments. Assessments would include class discussions, writing assignments, projects, and exams.

CREATIVE WRITING

Course #170

Marking Period

.313 credits

No Prerequisite

The course will provide students with the opportunity to hone their creative writing skills by composing short stories, poetry and plays. Students will learn the writing techniques used in each of these areas, such as the Greek Model of Playwriting, poetic forms, etc. Students will write and present their writings in a workshop atmosphere, and revise based on the feedback of their peers.

POE & DICKENS (VICTORIAN AGE WRITERS)

Course #171

Marking Period

.313 credits

No Prerequisite

Students will read and discuss Edgar Allen Poe stories and poems not covered in the previous years, including *Murders at the Rue Morgue* and *The Gold Bug*. *Hard Times* by Dickens will also be studied. This course will include writing assignments based on the readings.

SCIENCE FICTION

Course #172

Marking Period

.313 credits

No Prerequisite

Students will read classic science fiction stories by George Orwell and H.G. Wells and then compare those with modern stories by authors such as Michael Crichton. Students will read and discuss the books, as well as write and/or complete projects based on the reading and class discussions.

MODERN LANGUAGES

Philosophy

In ancient (classical) and modern foreign language, we strive to develop cultural and linguistic appreciation of the target language. We develop these goals through knowledge of the language, both oral and written, and through reading the literature and history of the lands in which the target language is spoken.

FRENCH I (9th through 12th)

Course #313

Year

1.25 credits

French I introduces modern language study with the goal of developing proficiency in the four language skills of listening, speaking, reading, and writing. Emphasis is placed on building these communication skills in meaningful situations and personalized contexts; daily-life topics provide the settings for grammar and vocabulary practice. Through a variety of materials and activities, students build a base for further study of the French language and French-speaking cultures. Most of the class work is conducted in French.

FRENCH II (9th through 12th)

Course #323

Year

1.25 credits

Prerequisite: French I

This course is a continuation of French I. The students will continue to acquire the skills and vocabulary needed to communicate. The main emphasis of instruction is on oral communication. The students will begin to read and write as they continue to develop the more advanced skills of listening and speaking. The students have many opportunities to explore French and French-speaking cultures in this course. Most of the class work is conducted in French.

FRENCH III (9th through 12th)

Course #333

Year

1.25 credits

Prerequisites: French I and II

French III is a continuation and deepening of the acquisition of oral and graphic skills begun in French I and II with an emphasis on accurate speech and grammar. In addition to these areas, there is ample opportunity for cultural activities and enrichment. The students study French history, geography, cooking, and information about the regions and cities of France. Communication in French is emphasized for useful applications, both written and oral. Most of the class is conducted in French.

FRENCH IV (9th through 12th)

Course #343

Year, 3 pds./cycle

1.25 credits

Prerequisites: French I, II, and III

This course allows the students to use the skills they have acquired in French I, II, and III courses to interpret more complex ideas. The students read literature in French and begin to express their ideas on the interpretation. There is a continuation of the communication skills work that began in the earlier levels. The students explore areas of interest in individual projects. There is a comprehensive review of grammar to help students who will be taking college placement exams and college-level French courses. This course is structured, yet allows for flexibility according to student interests and needs. Culture is emphasized, and the class is conducted in French.

SPANISH I (9th through 12th)

Course #312

Year

1.25 credits

This course is an introduction to the Spanish language and culture. It deals primarily with the sounds of the language through conversation. The course will also introduce basic elements of Spanish grammar through pattern drills and written exercise.

SPANISH II (9th through 12th)

Course #322

Year

1.25 credits

Prerequisite: Spanish I

This course is designed to further the students' knowledge of grammar and to advance their conversational ability. It will deal with reading, writing and speaking, as well as more detailed cultural aspects.

SPANISH III (9th through 12th)**Course #332****Year****1.25 credits****Prerequisites: Spanish I and II**

This course is a continuation of Spanish I and Spanish II. There is a strong emphasis on grammar, oral and written expression, and Spanish culture. The students will also be introduced to famous Spanish literary icons. Students will have the opportunity to prepare Latina cuisine and further advance their knowledge of culture and literature.

SPANISH IV (9th through 12th)**Course #342****Year****1.25 credits****Prerequisites: Spanish I, II, and III**

This course is a culmination of the previous three years. An emphasis is placed on oral communication, the mastery of grammatical concepts, and Spanish literature. The students will continue to learn and appreciate the Spanish culture through cultural lectures, internet use, plays, videos, and native guest speakers. They will also prepare and eat authentic Mexican and Spanish cuisine.

MATHEMATICS**Philosophy**

The mathematics curriculum is a sequential series of courses designed to challenge and prepare the student for life. All students are expected to progress upward in the curriculum to the highest level they can successfully achieve. Students may not take lower-level courses after being successful in higher-level courses. The order of courses is as follows: Algebra 1, Geometry, Algebra 2, Functions and Trigonometry, Pre-calculus and Calculus; in addition to an elective Statistics course which is offered in the junior or senior year. There will also be an SAT prep course offered for any student in grades 10-12. Students will not be permitted to take two math courses concurrently unless they have maintained an "A" average in the math course just completed and have the recommendation from that teacher.

INTEGRATED MATHEMATICS III**Course #432****Year****1.25 credits****Prerequisite: Pass Integrated Mathematics II**

This course is the third in a series of three courses designed to explore techniques for investigating phenomena and exploring mathematical concepts in an integrated approach. Course content includes statistics, logic, algebra, geometry, and trigonometry concepts. NOTE: The 2011-12 school year will be the final year this course is offered.

CONCEPTUAL ALGEBRA 1**Course #411****Year****1.25 credits**

This course explores fundamental concepts of Algebra. The student will be provided with abundant practice. Special emphasis is placed on linear and quadratic functions, which will include representations of many forms: verbal descriptions, equations, tables, and graphs. Other topics include probability and data analysis, as well as some basic geometry concepts.

ALGEBRA 1**Course #412****Year****1.25 credits**

This course explores advanced concepts in Algebra that will prepare the student for college. Special emphasis is placed on linear and quadratic functions, which will include representations of many forms: verbal descriptions, equations, tables, and graphs. Other topics include probability and data analysis, as well as some geometry concepts.

CONCEPTUAL GEOMETRY

Course #413

Year

1.25 credits

Prerequisite: Pass Conceptual Algebra 1 or Algebra 1

This course explores fundamental concepts of Geometry. The student will be provided with abundant practice. This course will focus on properties of lines, angles, polygons, and circles. Students will also examine perimeter, area, surface area, and volume of various figures. Concepts explored will have real-world applications. Other topics included probability and data analysis, as well as some basic algebra concepts.

GEOMETRY

Course #421

Year

1.25 credits

Prerequisite: Pass Algebra 1 with a 70% or higher.

This course explores advanced concepts of Geometry that will prepare the student for college. Students will develop reasoning and problem solving skills as they study topics such as congruence and similarity; and apply properties of lines, triangles, quadrilaterals, and circles. Students will also apply length, perimeter, area, circumference, surface area, and volume to real-world situations. Other topics include probability and data analysis, as well as some algebra concepts.

CONCEPTUAL ALGEBRA 2

Course #419

Year

1.25 credits

Prerequisite: Pass Conceptual Geometry or Geometry

This course further explores fundamental concepts of Algebra. The student will be provided with abundant practice. Key topics include linear equations and inequalities, and quadratic, polynomial, exponential, logarithmic, radical, and rational functions. Students will learn to model real-world situations. Additional topics may include probability and data analysis, geometry, and trigonometry.

ALGEBRA 2

Course #420

Year

1.25 credits

Prerequisite: Pass Geometry with a 70% or higher.

This course further explores advanced concepts of Algebra that will prepare the student for college. Topics are organized around families of functions; including linear, quadratic, exponential, logarithmic, radical, and rational functions. Students will learn to model real-world situations using functions in order to solve problems arising from these situations. Additional topics may include probability and data analysis, geometry and trigonometry.

FUNCTIONS AND TRIGONOMETRY

Course #451

Year

1.25 credits

Prerequisite: Pass Conceptual Algebra 2 or Algebra 2

This course will build on the algebra and geometry students have previously studied. Functions and trigonometry will be examined in a unified way that will help students prepare for everyday life and future courses in mathematics. Spreadsheets, graphing, and various forms of technology are employed to enable students to explore and investigate advanced functions and data.

PRE-CALCULUS & DISCRETE MATHEMATICS

Course #452

Year

1.25 credits

Prerequisite: Pass Algebra 2 or Functions and Trigonometry

This course explores core concepts prerequisite to a course in Calculus. Pre-calculus topics include a review of the elementary functions; advanced properties of functions; introductions to calculus including summations, limits, derivative, and integrals; and the algebra of solving equations, inequalities, and polynomial and rational expressions. Discrete mathematics topics include recursion, induction, combinatorics, vectors, graphs and circuits. Mathematical thinking, including specific attention to formal logic and proof and comparing structure, is a unifying theme throughout.

CALCULUS

Course #453

Year

1.25 credits

Prerequisite: Pass Functions and Trigonometry or Pre-Calculus and Discrete Mathematics.

This course is designed for mathematically talented students who have completed their required secondary mathematics courses. It consists of a study of function, analytic geometry, and differential and integral calculus; including theory and application. The course is recommended for students planning to major in engineering, science, or mathematics in college.

AP CALCULUS

Course # 454

Year

1.25 credits

Prerequisite: Pass Functions and Trigonometry or Pre-Calculus and Discrete Mathematics.

This course introduces the student to the main concepts of single variable Calculus. Students will work toward the mastery of topics such as limits, differentiation, integration, and applications of both differentiation and integration. The pacing and expectations of this course will be at the collegiate level. Class size is limited. Students must participate in the AP exam.

STATISTICS

Course #455

Semester

.625 credits

Prerequisite: Pass Conceptual Algebra 1 or Algebra 1

This course provides the student with the opportunity to enhance statistical thinking. The focus of the text is on statistical ideas and reasoning; and on their relevance to such fields as medicine, education, environmental science, business, psychology, sports, politics, and entertainment. This course may be taken concurrently with another mathematics course.

SAT PREPARATION COURSE – MATHEMATICS

Course #456

Semester

.625 credits

Prerequisite: None

The course is designed primarily for juniors and seniors who are preparing to take the SAT's. Students develop standardized test taking strategies in general and specific to those recommended for the SAT's. The mathematics section of the SAT's is emphasized. In particular, this course concentrates on numbers and operations, measurement, geometry, algebraic concepts, and data analysis and probability. This course is graded as pass/fail.

MATH LAB

Course #200

Marking Period

.313 credits

This course will provide a great opportunity for those students concerned about their regular Math class and/or the PSSA taken during the junior year. Not only will the Math Lab support materials covered in your Math class, but it will also provide valuable practice for the PSSA test. This course is offered during the 3rd marking period.

SCIENCE

Philosophy

Philosophically, we believe that every individual student has worth, must be respected, and his fullest growth and development must be provided for. To provide for the fullest growth and development of the individual student, we submit the following overall objectives for the teaching of science so that our students will:

1. Develop the ability to think critically by using the scientific method
2. Acquire facts, principles and appreciations through which they can better understand and appreciate the nature of the earth and its inhabitants and the universe
3. Use wisely our natural resources and the products of science
4. Understand the social functions of science and think and act in relation to scientific implications.
5. Develop understanding that will contribute to physical and mental health and recreational interest
6. Acquire information and understandings that will contribute to educational and vocational guidance and scientific literacy
7. Recognize the need of environmental control and the corrective measures needed to reestablish favorable conditions of the atmosphere

CP BIOLOGY (9th)

Course #510

Year

1.25 credits

This course is devoted to the study of living organisms. It seeks to examine the relationships between the structures of living things and their functions in the survival of these organisms. It also describes the processes of life at the cellular and molecular levels, as well as the behavior of an organism as a whole. Areas of study include cellular structure and function, photosynthesis and respiration, genetics and the principles of heredity, adaptability and diversity, modern classification, and ecological relationships. A variety of laboratory investigations are used, and students are introduced to modern tools and methods of biology.

ACCELERATED BIOLOGY (9th)

Course #511

Year

1.25 credits

Only ninth grade students identified by guidance counselors, science teachers, and administrators as either gifted or highly talented in science may enroll in Accelerated Biology. This course is designed to be intellectually challenging. Accelerated Biology explores the broad spectrum of life from microbes to animal and plant kingdoms. The major themes that provide the framework for this course are the genetic continuity of life, complimentary of structure and function, energy transfers and utilization, and the interdependence of living organisms and their environment. Teaching strategies include utilization of Juniata College's Science In Motion project, field trips, STS (science, technology, and society) discussions and projects, illustrated lectures, cooperative learning, viewing and discussion of VHS tapes, and as much hands-on laboratory activities as possible within the constraints of time and budget. Written exams, projects (both mandatory and optional), and participation in small group and class discussions are used for student assessment.

CAREER PREPARATION BIOLOGY (9th)

Course #512

Year

1.25 credits

This course is devoted to the study of living organisms. It seeks to describe the structures and functions of living things and their relationships with their environment. Emphasis is placed on the practical applications of this knowledge. The course is designed to show the students how the facts of biology affect their lives. A variety of lab investigations are used.

COLLEGE PREP PHYSICAL SCIENCE (10th)

Course #520

Semester

.625 credits

This course is offered to college-prep students with a major emphasis on the study of astronomy, physical science and related subjects. Students become involved in lab work and required special projects. Areas of study include the solar system, universe, telescopes, force, motion, waves and electricity.

COLLEGE PREP ENVIRONMENTAL SCIENCE (10th)

Course #522

Semester

.625 credits

This course is offered to college-prep students with a major emphasis on the environment. Areas of study include watersheds and wetlands, renewable and non-renewable resources, environmental health, humans and the environment, and environmental laws and regulations. Objectives of the course are covered using a variety of methods including: lab activities, group work, student research, audio-visual aids, individual work, and lecture.

COLLEGE PREP ENVIRONMENTAL SCIENCE II & ECOLOGY (11TH OR 12TH)

Course #523

Year

1.25 credits

Pre-requisites: C or better in any 9th grade biology course and/or 10th grade Environmental Science

Note: Class size is limited.

This course is offered to college-prep students with a major emphasis on the environment. It is a continuation of CP Environmental Science; however, CP Environmental Science is not a prerequisite. It will examine the risks associated with growth in a developing world; environmental impact of population growth on natural resources; mineral and resource extraction; water resource uses; renewable and non-renewable sources for power generation; environmental health; humans and the environment; environmental laws and regulations; integrated pest management; ecosystems and their interactions; and threatened, endangered and extinct species.

CAREER PREPARATION PHYSICAL SCIENCE (10th)

Course #525

Semester

.625 credits

This course is offered to non-college prep students. Major emphasis is placed on the study of astronomy, physical science and related subjects, with the students involved in lab work, and optional special projects. Areas of study include the solar system, universe, telescopes, force, motion, waves, and electricity.

CAREER PREPARATION ENVIRONMENTAL SCIENCE (10th)

Course #524

Semester

.625 credits

This course is offered to non-college prep students. Major emphasis is placed on the environment with the students involved in lab and group situations. Areas of study include: watersheds and wetlands, renewable and non-renewable resources, environmental health, humans and the environment.

CAREER PREPARATION CHEMISTRY (11th or 12th)**Course #533****Year****1.25 credits**

The content of Career Preparation Chemistry includes many of the topics covered in academic Chemistry classes with the exception of stoichiometry and several other math intensive topics. Potential units of study include Water Quality (water chemistry, water pollution, and water scarcity in desert climates); Petroleum and its Products (fuel chemistry, plastics, pollution and economic considerations); Food Production and Nutrition (fertilizers, pesticides, food additives and problems of uneven distribution of world food resources); Nuclear Science (power plants, radioactivity and nuclear wastes); and the Chemical Industry (occupational safety and health considerations).

CHEMISTRY (11th or 12th)**Course #532****Year****1.25 credits**

Areas of investigation in Chemistry include: the chemist's techniques and concepts of matter, the gas laws, atomic theory and periodicity, water and elements of hydrogen and oxygen, the language and quantitative concepts of chemistry, and the prediction and control of chemical reactions. The course covers those areas necessary for successful work in a first-year college chemistry course. Approximately one out of every six class periods will be devoted to lab work. Many teacher-conducted demonstrations will be used. Since math skills are essential to succeed in this class, it is recommended that students have at least a B- in Algebra I, a C- in Geometry, and be currently enrolled in Advanced Algebra.

ACCELERATED CHEMISTRY & ACCELERATED CHEM LAB (10th through 12th)**Course #535****Year, 8 pds./cycle****1.65 credits****Note: Class size is limited.**

Instructor approval is required for enrollment in Accelerated Chemistry. Accelerated Chemistry is recommended for all HEP students and may be taken by other academic students with the approval of the instructor. Emphasis is placed on independent or small group work in the classroom and in the laboratory. The material covered includes: writing and balancing chemical equations, the mole concept and stoichiometry, the gas laws, water solutions, atomic structure, descriptive chemistry, equilibrium, acids and bases, oxidation and reduction, and an introduction to organic chemistry. Each student will maintain a laboratory notebook. This is an excellent course for those students with high abilities and aptitudes in science and for those who are considering further study in the area of physical science.

PHYSICS (11th or 12th)**Course #540****Year****1.25 credits**

Physics is a first-year program that is required for all academic students and is elective for all others. It is recommended that a student be at least taking Algebra 2 concurrently. The course consists of the following units: the science of measurement, kinematics, forces, energy, thermodynamics, wave motion, electricity and magnetism, and nuclear physics. Each topic is taught in such a way as to strike a realistic balance between physics theory and practical applications.

ADVANCED PLACEMENT PHYSICS & AP PHYSICS LAB (12th)**Course #545****Year, 9 pds./cycle****1.875 credits****Note: Class size is limited.**

The AP Physics program is a second-year physics program that provides an opportunity for high school students to pursue and receive credit for college-level course work undertaken while in high school. The course is an elective for senior students who have the approval of the instructor. Students taking this course should be taking calculus concurrently. The course consists of the same basic topics as Physics; however, each topic is taken to a more extensive problem-solving level.

CONCEPTUAL PHYSICS (11th or 12th)**Course #538****Year****1.25 credits**

This course in physical science is offered to juniors and seniors who wish to pursue technical careers or who wish to better understand "how things work". Lab equipment is used to conduct experiments and demonstrations in the various areas of physics. Concepts of how physics works will be explored. The class is NOT open to students that are enrolled in the college prep math series.

BIOLOGY II (12th)**Course #552****Year****1.25 credits****Prerequisite: Biology AND Chemistry****Note: Class size is limited.**

Instructor approval is required for enrollment in Biology II. This is an accelerated biology elective in which the 12 required Advanced Placement Laboratories direct the course content. The main topics include: Biochemistry, Cell Biology, Energetics, Molecular Genetics, Cell Reproduction, Genetics and Evolution, Organismal Biology, and Ecology. The material will be presented through lectures, labs, problem solving sessions and extensive reading assignments in the text. The presentation is geared to correlate to a first-year college biology course and to be of just slightly less difficulty.

CHEMISTRY II (11TH or 12th)**Course #554****Year****1.25 credits****Prerequisite: Chemistry and Algebra 2****Class Size is limited.****Instructor approval is required for enrollment in Chemistry II.**

Emphasis is placed on problem solving involving the application of mathematical operations. The material covered includes: stoichiometry, the gas laws, atomic structure and periodicity, chemical bonding, kinetics, equilibrium, solutions, acids and bases, redox, and organic chemistry. The material will be presented through lectures, problem-solving sessions, and extensive reading assignments in the text. The presentation is geared to correlate to a first-year college chemistry course and to be of just slightly less difficulty. Instructor's approval is required to schedule this class.

INTERDISCIPLINARY SCIENCE RESEARCH**Course #534****Semester****.625 credits****Prerequisites: C or better in any 9th grade biology course and a Science Teacher recommendation****Class size is limited.**

This course is designed for those students who have demonstrated an interest in some area of science. Because the course is designed to explore a specific area beyond what is covered in our introductory science courses, it will be structured around the individual interests of the students. The course will be project/research based and the students will be expected to become "experts" in all aspects involving the project/research they choose including solutions preparations, equipment function and maintenance. The students will be expected to keep a daily lab notebook to be checked weekly, learn proper lab techniques, give a biweekly presentation to the class as to their progress, prepare biweekly quizzes about the content of their project for other students to take, and take the others' like quizzes. A formal report will be due at the end of the course. Enrollment preference will be given to seniors first, then juniors, then sophomores, with class size limited to the first 20 qualifying students. Students taking this class should have a strong interest in a science discipline, the ability to work independently, self-discipline and self-motivation. Students, may, with instructor permission, take this course more than once by focusing on a new topic; however, students can only earn credit for one course.

SCIENCE AND FICTION WRITING**Course #162****Semester****.625 credits**

This is an elective course offering students the opportunity to combine reading and writing with the cutting edge of science. An English and science teacher will co-teach the class. Students will read and discuss breakthroughs in science and the latest, but often not well known, technologies. These current trends serve as the inspiration for short story writings or op ed reviews. Science would also be emphasized through proper reading of technological/information articles and discussion.

SOCIAL STUDIES

Philosophy

Social studies is the integrated study of the social sciences and humanities designed to promote civic competence. The primary purpose of social studies is to help students develop the ability to make informed decisions for the public good as citizens of a culturally diverse, democratic society in an interdependent world. Because students prepare for different roles in our society, they must accumulate a variety of skills beyond those common to participatory democracy. Differing educational processes and experiences are incorporated into the college-prep and career preparation curricula in order to address these specific needs.

Adapted, in part, from
Standards for Social Studies
National Council for the
Social Studies

WORLD GEOGRAPHY/ECONOMICS (9th)

Course #211

Semester

.625 credits

World Geography/Economics is required for all ninth graders. This course is a combination of World Geography and Economics. The class explains the impact geography and economics have on each other. World Geography includes topics such as culture, climate, landscapes, locations, etc. The influence that geography has on the economy of a region will be explored in this one-semester course.

ACCELERATED WORLD GEOGRAPHY/ECONOMICS (9th)

Course # 141

Semester

.625 credits

Note: Accelerated Social Studies courses can be taken separately from Accelerated English courses. It is recommended that students maintain a “B” or better in Accelerated Social Studies. Class size is limited.

This is a ninth grade course and satisfies the student requirement of World Geography/Economics. The class explains the impact geography and economics have on each other. World Geography includes topics such as culture, climate, landscapes, locations, etc. The influence that geography has on the economy of a region will be explored in this one-semester course. This course goes more in depth and is far more detailed than the required World Geography/Economics course for ninth graders.

LATIN AMERICAN/AFRICAN STUDIES (9th)

Course #212

Semester

.625 credits

This course is a required ninth grade class which draws from cultures of Sub-Saharan Africa and Latin America, and follows basic units in geography and history. Emphasis will focus on social, economic and politically patterns of these developing regions and their relationship to our present day society.

ACCELERATED LATIN AMERICAN/AFRICAN STUDIES (9th)

Course #142

Semester

.625 credits

Note: Class Size is limited.

This is a ninth grade course and satisfies the student requirement of Latin American/African Studies. The class draws from cultures of Sub-Saharan Africa and Latin America, and follows basic units in geography and history. Emphasis will focus on social, economic and politically patterns of these developing regions and their relationship to our present day society. This course goes more in depth and is far more detailed than the required Latin American/African Studies course for ninth graders.

ACCELERATED SOCIAL STUDIES 10

Course #144

Year

1.25 credits

Note: Accelerated Social Studies can be taken separately from Accelerated English. It is recommended that students maintain a “B” or better in Accelerated Social Studies. Preference for available spots will be given to those students who have completed Accelerated World Geography/Economics (Grade 9) with either an A or B average. Students who finish the non-accelerated World Geography/Economics (Grade 9) with exemplary marks can enroll in this course with the recommendation of the previous year’s instructor. Any other interested students may be accepted into the course with a teacher’s recommendation and a positive review of previous coursework. Class size is limited.

Blending socio-cultural knowledge with the historical development of the Middle East, India, China, Japan and Southeast Asia, and Europe, the purpose of this course is to trace the progression of civilization from isolated, self-sufficient communities to the modern global, interdependent nations that exist today. With an emphasis on a comparative cultural approach, Accelerated Social Studies envisions an informed, discriminating student who acts with appreciation, judgment, and respect for the shared humanity of all.

WESTERN CIVILIZATION (10th)

Course #213

Semester

.625 credits

This course focuses on key developments in Europe over the past 700 years and how those changes have impacted the world which we inhabit today. Spanning the Italian Renaissance to the current dominance of Western powers in global affairs, the student will develop a deeper understanding of and appreciation for those ideas, institutions, and cultural legacies that have directly influenced modern American thought, politics, and culture.

ASIAN STUDIES (10th)

Course #214

Semester

.625 credits

The purpose of this course is to create interest and awareness of non-western cultures. It is imperative that students of the 21st century become more cognizant of the fact that we live in a culturally diverse, highly interdependent and rapidly changing world. All lesson plans will be built upon the student's need to understand the importance of the relationships that exist between the people, their geography, their history, their culture and their place in the global community. Four target areas have been selected for this course. We will study the Middle East, India, South Asia, China, and Japan. In each area, we will more specifically examine contemporary daily life and culture, geography, current issues and historical legacy. This is not going to be just another history course. This course deals more with real life – real-time issues that exist in the world today. It is a course intended to help you understand the complexity of the challenges that affect our world today.

U.S. HISTORY (11th)

Course # 215 – College Prep

Year

1.25 credits

Course # 216 – Career Preparation

Year

1.25 credits

This class is a survey of American History from 1865 to the present, with emphasis being placed on the historical development of the United States. Students should gain an understanding of American ideals, with special attention given to the contributions of women and different racial and ethnic groups of American society. There is also attention given to contemporary history, especially the 20th century.

ACCELERATED US HISTORY 11

Course #146

Year

1.25 credits

Note: Class size is limited.

Accelerated US History is a high school course taught with college-level expectations. The course will consist of a thematic study of the period 1877 to the present. Topics will include the post-Civil War Reconstruction; Manifest Destiny and the Settlement of the American West; the Industrialization, Immigration and Urbanization of America’s Cities; American Politics during the Populist and Progressive Era; America becoming a World power; World War I; the Roaring Twenties; The Great Depression/New Deal Era; World War II; the Cold War Era, with a special focus on the Vietnam Conflict; The Civil Rights and Equal Rights Movements; and finally, an update on current issues in modern America during the 70’s, 80’s, and 90’s into the new Millennium.

Students will be expected to enter this class having better than average reading, writing, thinking, speaking and researching skills. All students will be expected to participate (at least) at the local level, in the annual National History Day program offered through Juniata College. All students will be expected to conduct extensive research in preparation of individual as well as group (oral) presentations and class projects. All students will be expected to keep and maintain a current event journal. All students will be expected to demonstrate better than average competency in writing. Students will be preparing essays and other writing samples such as editorials, and articles for the school and Daily News School Page. Students will be

expected to demonstrate proficiency and skill in using technology, in building project presentations with such tools as Power Point and digital photography, etc. Finally, this course will incorporate American literature. Over the summer, students will be expected to read three books and complete a “book review” on each. A list of suggested book titles will be provided before school breaks for summer vacation. All books read will correspond with a specific unit and time period covered in the course.

PHCC DUAL ENROLLMENT AMERICAN GOVERNMENT

Course #149

Semester

1.25 credits

Note: Class size is limited.

The class is a survey course that encompasses American Government material at the college level through the Pennsylvania Highlands Community College (PHCC). Emphasis is placed upon the application of previous knowledge in the pursuit of a higher understanding of the institutions of government and the interaction between government and citizens. This course is taught at the freshman college level. The main text is American Government, 9th edition (2004). The instructor will provide additional student readings as needed. Class time will be utilized on standard lecture, individual and group discussions, cooperative experimentation, and research methods. This course requires a serious commitment in terms of attendance and study.

ACCELERATED ECONOMICS 12

Course # 148

Semester

.625 credits

This is a survey course that encompasses Economics material at the accelerated level. This course is taught at the freshman college level. Emphasis is placed upon preparation for the Advanced Placement exams and your freshman college year and as such, follows both the 12th grade Pennsylvania State Standards and college freshman-level material. Class time will be utilized on standard lecture, individual and group discussions, cooperative experimentation, and research methods. Additional independent study is required if you wish to qualify for the Advanced Placement examinations on this subject. AP course descriptions and procedures are available upon request.

AMERICAN GOVERNMENT (12th)

Course #217 (College Prep)

Semester

.625 credits

Course #219 (Career Preparation)

The combination of this course and the 12th Grade Economics course (OR the Accelerated U.S. Government/Economics course) is a graduation requirement at Huntingdon Area High School. American Government explores the history and function of the nation’s governing body at all three levels (including federal, state and local government). The rights and responsibilities of the individual United States citizen will be explained.

ECONOMICS (12th)

Course # 218 (College Prep)

Semester

.625 credits

Course #220 (Career Preparation)

Junior Achievement's Economics is a course designed for seniors. It allows students to study economic theory and to have practical experiences at the same time. Emphasis is placed on the American economic system, using resource persons from the community to transfer theory into practice.

PENNSYLVANIA AND LOCAL HISTORY (Elective – 11th or 12th Grade)

Course #233

Semester

.625 credits

This sophomore college-level course surveys both the current situation in and the history of Pennsylvania. We will explore current economic opportunities, Native Americans, the early years of colonialism, frontier conflicts, the American Revolution and after, the role of the state during the Civil War, evolution of transportation systems, immigration, agriculture, and industrialization. Geographic skills will be utilized as well as Internet activities. Textbooks are furnished by the district but students are free to purchase their own copy. Study guides and other learning resources will be provided by the instructor. Teacher approval required for enrollment in this course.

YOUTH AND THE LAW (11th or 12th) - Elective
Course #237 Semester

.625 credits

Prerequisite: Preference is given to seniors

Youth often have a difficult time finding ways in which they are able to participate in our democracy. In this class, students will investigate how the justice system is meant to interact in their lives, and how youth can be proactive in this interaction. Emphasis will be placed on how laws pertaining to youth have evolved in the last century, predicting trends for the future, and finding ways that youth can help direct those trends. Research, oral presentation, writing, and community interaction will each be major components of the course.

PSYCHOLOGY (11th or 12th) - Elective
Course #235 Semester

.625 credits

Designed as an introduction to the diverse fields and interests of psychology, this course is intended to, through the study of these various areas, explore components of and influences on human behavior to help promote awareness of how who we are impacts not only the individual but others as well. Topics include personality development, the history of psychology, research methods, physiological processes and the brain, learning and memory, development over the life span, psychological disorders, and social psychology.

PHCC DUAL ENROLLMENT PRINCIPLES OF SOCIOLOGY (Elective – 11th or 12th Grade)

Course #232 Semester

1.25 credits

Note: Class size is limited.

This survey course encourages students to explore a college level course featuring topics studied by sociologists. Topics include the structures and processes of human interaction, social institutions, functions of culture, change, and research methods.

VOCATIONAL EDUCATION

AGRICULTURE EDUCATION

Agriculture vocational education at Huntingdon Area High School provides a wide array of subject matter. Students may re-pot plants one day, watch chicks hatch the next, and pour concrete the following day. In addition to the standard book work associated with most curricula, the vocational education gives the student the practical, hands-on experience vital to all in-depth understanding and knowledge of subject matter. Enrollment is open to all students and class rosters are determined by class size limitations.

Note: Subject matter in Wildlife and Forestry Science and in Plant and Animal Science are taught on a rotational basis every other year. Therefore, students in these classes get different subject matter from one year to the next. For this reason, students should schedule according to their grade.

AGRICULTURAL WILDLIFE AND FORESTRY SCIENCE (9th)

Course #715 Year

1.25 credits

This course is an introduction to agriculture and its role in our environment and its development. Major areas of study will include agricultural resources, occupations in agriculture, and wildlife and forestry science. This class will focus on soils and land use, water management, and forestry and wildlife science. This course also offers a shop and laboratory safety component in the use of large and small power equipment. Shop and laboratory safety certification, along with shop demonstrations and project work will be emphasized.

AGRICULTURAL PLANT AND ANIMAL SCIENCE (10th)

Course #716 Year

1.25 credits

This course is an introduction to agriculture and its role in the environment and its development. Major areas of study will include agricultural resources, occupations in agriculture, and plant and animal science. This class will focus on greenhouse production, plant propagation, and animal systems. This course also offers a shop and laboratory safety certification, along with shop demonstrations and project work will be emphasized.

AGRICULTURAL MECHANICS I: INTRODUCTION TO AGRICULTURAL MECHANICS AND PESTICIDE SCIENCE (11th)

Course # 717

Year

1.25 credits

This course is designed to give students a wide range of vocational experiences. Arc welding, oxyacetylene, Mig welding, electricity and wiring, plumbing, woodworking, and metalworking are some of the vocations highlighted. Additionally, pesticide science and weed identification are integrated into the course. This course also offers a shop/laboratory safety component in the use of large and small power equipment. Shop/laboratory safety certification along with various shop demonstrations, figuring of bills of materials, drawings and project work will be emphasized.

AGRICULTURAL MECHANICS II: INTRODUCTION TO SMALL GAS ENGINES (11th)

Course #718

Year

1.25 credits

Small gasoline engine repair is taught along with related topics. Students will disassemble and reassemble a 3.5 horsepower Briggs and Stratton Engine. Complete explanations of ignition, carburetion, and combustion systems will take place. This course will also offer a shop/laboratory safety component in the use of power and small power equipment. Shop/laboratory safety certification along with various shop demonstrations, figuring of material bills, and project work will be emphasized.

SUPERVISED AGRICULTURAL EXPERIENCE I (9th through 12th)

Course #719

Varies

Credits Vary

Prerequisites: Approval of Instructor. Student must be enrolled in agricultural science class and FFA.

This course will allow agricultural education students to develop an individualized supervised agricultural experience program. The class will focus on various aspects of recordkeeping, including developing a budget, inventory and net worth statements.

SUPERVISED AGRICULTURAL EXPERIENCE II: WORK EXPERIENCE

Course #720

Varies

Credits Vary

This program combines classroom learning with productive, on-the-job work experience in a vocational agricultural occupation that matches the student's academic and career objectives. Student will complete and SAE record book.

BUSINESS EDUCATION

Philosophy

We believe that business studies are of value for personal and family financial decisions, future collegiate studies, and employment opportunities. Students with varied career and educational plans are encouraged to avail themselves to the offerings of the business department. All students--college-prep, business, and vocational studies students--should feel free to select courses in this section to enhance their educational experience.

BUSINESS INFORMATION PROCESSING (PREVIOUSLY INTRO TO MIS/DOC) (9th or 10th)

Course #612

Semester

.625 credits

This is a semester course designed to help students master basic and intermediate skills in the areas of database management, spreadsheets, and presentation applications. Emphasis is on the integration of software applications, ethical issues pertaining to information systems, and information technologies careers. Communication skills and critical thinking are reinforced through software applications as well as a focus on the effective use of the computer at home or on the job.

ADVANCED BUSINESS INFORMATION PROCESSING (10th thru 12th)

Course #622

Semester

.625 credits

This course extends what is learned in the Business Information Processing class, formerly known as Intro to MIS. Students learn more advanced techniques in Microsoft Word and Excel. Students will also learn beginning to advanced operations of PowerPoint and complete several PowerPoint projects including a music video. Great emphasis is placed on integration projects between Word, Excel and PowerPoint.

DIGITAL IMAGING AND DESKTOP PUBLISHING FOR BUSINESS (10th thru 12th)

Course #657 **Semester** **.625 credits**

This semester course is designed to teach students about desktop publishing and design layout. The first part of the course is dedicated to Adobe PhotoShop. Students will use Adobe PhotoShop to perform many different image-processing techniques. In this course, students will learn how to use several tools for selecting parts of images, and will move, duplicate and resize images. You will learn to use layers, layer effects, filters, lighting and texture effects, painting and blending, and color modification. Also, students will learn how to create images of different formats for different applications. The second part of the class, students work with Adobe InDesign. InDesign is a desktop publishing package available for both Macs and PCs which is used to build up a publication from ready-prepared text, images, and graphics. Students create publications such as a double-sided, two-column newsletter, fliers and more.

WEB DESIGN I (10th thru 12th)

Course #655 **Semester** **.625 credits**

This semester course of Web Design develops skills that lay the foundation for producing Web-ready communications and graphic design principles. Students develop a variety of graphical images, and electronic portfolio, a Web photo album, and interactive graphics for use on a Web site. Students will apply problem-solving techniques while learning to use Adobe Flash, Fireworks and Dreamweaver.

WEB DESIGN II

Prerequisite: Web Design I

Course #656 **Semester** **.625 credits**

This course follows up and builds on the Web Design I class and builds on the skills and designs and shifts the perspective from the personal to the local. Students now work on teams and produce Web communications for clients. The focus is on effective teamwork and shared project management skills such as interviewing and project scheduling. The produce design documents and visual comps that clients review. They develop Web site designs that solve specific communication challenges.

WEB 2.0 TOOLS

Course #660 **Semester** **.625 credits**

Web 2.0 tools are revolutionizing the way we approach our personal lives, education, and work. These tools allow us to be productive, anytime, anywhere, with very little, if any, cost, which make them great substitutes for costly software. The students of Web 2.0 will create original works, collaborate with other students, publish information, and connect with the world using the most up-to-date tools. Since these tools are ever changing and new ones are created daily, the students may use tools such as, or similar to, wikis, nings, blogs, multimedia, RSS feeds, Wikipedia, Podcasting, Flickr, mashups, etc.

SUCCEEDING IN THE WORLD OF WORK (11th or 12th)

Course #611 **Semester** **.625 Credits**

This course presents practical strategies for establishing and succeeding in a career. It emphasizes skills and interest assessments and complete guidelines for successful job search including: researching prospective employers, resume, cover letter, and portfolio preparation, and effective interview techniques. In addition, students research prospective employers to learn about current application requirements, to practice meeting with business people in their target career field, and to practice interviewing. These career-building assignments polish the students' job search and career management skills so they can apply them directly to meeting immediate and future career goals.

ADVERTISING (10th through 12th)

Course #624 **Semester** **.625 Credits**

Did you ever wonder about the exciting world of advertising as a career? Well, now you get to experience a taste of it! Learn how the business of advertising works, as well as strategies and techniques used in corporate and product advertising. Practical real-life projects will be given to enhance the promotion of our school, as well as community events – participation and enthusiasm is a must!

MARKETING (10th through 12th)

Course #625 **Semester** **.625 Credits**

Marketing is all around you each day, and encompasses much more than just advertising that you see on television. Explore the vast portion of the business world that marketing makes up from product development to promotion and distribution. Practical and original projects will be given to highlight students' creative strengths. This course is perfect for anyone who is considering further study in this area and wants a jump-start.

PERSONAL FINANCE (10th through 12th)**Course #632****Semester****.625 credits**

Personal finance introduces students to financial information needed to operate with financial success in life. It will help students design a financial plan for the future and understand the process behind mortgages, savings, checking, insurance, credit cards, personal taxes, investing, etc. This course is project-based. All assessments will be done based on submission of projects related to the section being studied. Recommended for all students as a good life-learning course.

MANAGEMENT (10th through 12th)**Course #626****Semester****.625 Credits**

This course is designed for young people who are considering a career in business management. General Management will cover such topics as: management structures, functions of managing people, personality types, dealing with difficult people, and social responsibility/ethics. The major project in Management will be the production of a modified business plan.

MEDICAL 1 (10th through 12th)**Course #627****Year****1.25 credits**

Medical 1 is designed to provide those students who are interested in a health-care related field the opportunity to experience aspects of working in a medical office. Medical 1 teaches basic medical terminology, as well as basic body systems, medical ethics, and current topics in health care. In addition, at least one unit of study will be developed that reflects the interests of the class based upon the consensus of the group.

MEDICAL 2 (11th or 12th)**Course #628****Semester****.625 Credits**

Intended as an extension of the Medical 1 course, Medical 2 would give students who have already taken the pre-requisite course additional information needed for their medical areas of interest. Based upon the career interests of the class, further knowledge of medical terms in those areas and relevant secondary research will be emphasized.

LEADERSHIP 1 (10th through 12th)**Course #629****Semester****.625 Credits**

In order to foster the development of leadership skills in young people, the Leadership 1 course is designed to provide students who are interested in pursuing various leadership roles the tools and skills needed to successfully lead others. To begin the class, personality types and elements of team dynamics will be discussed in order to better understand those around you. Students take center stage as they involve themselves in presentations and practical projects that demonstrate the skills discussed in class. The class will decide upon a community service project to benefit a group or community member. Demonstration of personal integrity and personal character development will be nurtured and encouraged. Qualities and behaviors that are most definitely expected of leadership class members include the following: good role model in and out of school setting, positive attitude, hardworking, tenderhearted to others, dependable, and have a strong desire to make a difference in their school and community. *Good leaders inspire others to have faith in them, while great leaders inspire others to have confidence in themselves.*

LEADERSHIP 2 (11th or 12th)**Course #630****Semester****.625 credits****Prerequisite-Leadership**

Leadership 2 is a half-year course designed for those students who have already completed Leadership 1 and are serious about their growth as a leader and as a person. Students in Leadership 2 will have greater opportunities for public speaking and will enhance their presentation skills. A focus on serving others through community involvement will be evident through a class service project. Other skills that will be of importance in Leadership 2 include: self-improvement, motivation (of self and others), setting the example, effective communication (verbal and non-verbal), emotional intelligence and how it influences leadership, and managing conflict. Students in Leadership 2 must be ready to get highly involved with class projects/discussions and willing to build a teamwork atmosphere with others.

BUSINESS LAW**Course #658****Semester****.625 credits**

Business Law is a one-semester course which will provide students with an understanding of the basics of our legal system as well as legal issues that relate to young adults and business. Topics to be covered include the following: ethics and law, the court system, contract law, consumer protection, product liability, personal property, and employment law.

HOME ECONOMICS

Philosophy

The department recognizes that the basic ingredients for the development of character originate in the home and community and that the curriculum should be in harmony with it. Education in the field of home economics is directly concerned with special emphasis on family, community and world understanding with increased emphasis on occupational skills leading to meaningful and gainful employment. (Inside and/or outside the home)

FAMILY AND CONSUMER SCIENCES (9th)

Course #110 **Marking Period** **.313 credits**

An exploratory course includes studies in life management, housing design, career exploration, foods and nutrition, sports nutrition, consumer economics, life and family management and cooking lab experiences.

INDIVIDUAL AND FAMILY STUDIES I (10th or 11th)

Course #724 **Semester** **.625 credits**

Prerequisite: Family and Consumer Sciences

Child Development through the life cycle from birth to adolescence as well as family life management, parenting and caring for the elderly. A supervised experience observing children will supplement class work. This is required before scheduling the "Working with Young Children" Course.

INDIVIDUAL AND FAMILY STUDIES II (10th through 12th)

Course #725 **Semester** **.625 credits**

Prerequisite: Individual and Family Studies I and Family and Consumer Sciences

Individual and Family Studies II is a second level course that focuses on working with young children. Areas of interest include developing teaching strategies, theme lessons and curriculum, observation of children and career exploration. Students will engage in hands on experiences that will prepare for post secondary education or the work force. The course is designed for students interested in furthering their career in the field of Early Childhood Education, Elementary Education, Child Psychology as well as for those interested in employment in this field after graduation.

ADVANCED INDIVIDUAL AND FAMILY STUDIES (11th or 12th)

Course #726 **Semester** **.625 credits**

Prerequisite: Individual and Family Studies I and Family and Consumer Sciences

Advanced Individual and Family Studies is practicum experience for students who have completed Independent and Family Studies I and have an interest in pursuing a career in the field of education and working with young children. Students work with selected mentor teachers at selected elementary schools and preschools in the surrounding areas and complete various projects with the children in those schools.

INTERNATIONAL FOODS (11th or 12th)

Course #727 **Semester** **.625 credits**

Prerequisite: Family and Consumer Sciences

Students will gain a better understanding of our world by experiencing its food and culture. Students will explore a variety of cultures through food transitions and will study cultural food preparations and methods. Students will be preparing, sampling and evaluating foods in class.

INDUSTRIAL ARTS

Philosophy

Industrial arts is a part of general education and should orient an individual whose life is to be spent in a world so dependent upon technology, to first-hand experiences. In the industrial arts laboratory, there is an opportunity for all the students to explore the different areas of industry, to sense and gain satisfaction in creating, building, and using tools and materials of industry. Industrial Arts provides this knowledge and use of the tools and materials of industry. Safety must be an integral part of the instruction as well. Any job done or problem solved without an attitude of safety is not handled correctly. The elements of handling of tools, materials and safety are most vital to the subject itself. When industrial arts becomes a "book subject", it loses its soul.

ELECTIVE INDUSTRIALARTS I (9th through 12th)

Course #750 **Semester** **.625 credits**

Industrial Arts I is a basic general course in woodworking and metal working which meets 3 days within a 6-day cycle. This schedule is followed the entire year. Machine tool operation is introduced to a degree not possible in ninth grade. Here the student gets to put this knowledge to use in his or her own individual project.

DRAFTING I (9th through 12th)

Course #752 **Year** **1.25 credits**

This elective is an entry level course open to any high school student who wishes to understand more about careers in drafting, engineering, architecture, commercial art, surveying, etc. Students will spend the majority of their classroom time drawing with drafting tools, or with computer (CAD) programs.

DRAFTING/CAD (11th or 12th)

Course #755 **Semester** **.625 credits**

Prerequisite: Drafting I and/or completion of Grade 10 or 11 with a GPA of "3" or above. Exceptions will be made with recommendations from two previous instructors.

Drafting II reviews concepts and skills developed in Drafting I, but a greater emphasis is given to architectural drafting, "blue print" reading and modern designs of buildings, bridges and their components.

ENGINEERING I (11th or 12th)

Course #757 **Semester** **.625 credits**

Engineering I is a combination of an introductory circuit analysis course, an engineering course, a computer-aided drafting course, and an introduction to automation course. The first segment of the class introduces students to DC and AC circuit theory and analysis. The theory includes electrical measurement systems, Ohm's Law, Kirchoff's Laws, circuit theorems, and component characteristics. Laboratory work provides experiences with electrical components, schematics, electrical tools, and basic electrical and electronic instrumentation. The second segment of the course will involve manipulating basic geometry entities to create 2-D and 3-D models using the AutoCAD 2006 software. The models can then be converted to a Computer Numerical Control program and a CNC machine can produce a physical model of drawing. Students will learn how to write programs as well as using a graphic interface to manipulate the CNC machine.

HUNTINGDON COUNTY CAREER AND TECHNOLOGY CENTER (Vo-Tech)



Training Tomorrow's Workforce Today

Mission Statement

Huntingdon County Career and Technology Center is committed to providing quality career and technical education opportunities for students through integrated academic and technical experiences in order for students to gain and maintain employment, pursue post-secondary education, and develop an appreciation for lifelong learning in a globally competitive workplace.

AUTOMOTIVE MECHANICS **

Course #771

Year

3.75 credits

In the Automotive Mechanics program students diagnose vehicle problems then perform the necessary repairs. This may involve repairing or replacing parts of the automobile. During these procedures the automotive mechanic may use hand tools, power tools, ignition machines, meters and hand held computer scanners. In addition, students learn four wheel alignment, steering and suspension service, brake service, engine performance, electronic fuel injection and computer operational controls. Students will also receive instruction to help them acquire their Pennsylvania Safety Inspection and ASE Refrigerant Recovery and Recycling Certifications.

COLLISION REPAIR AND REFINISHING **

Course #773

Year

3.75 credits

Auto Body Repair offers the student the opportunity to apply techniques necessary to restore a damaged vehicle to its original condition. The Auto Body Repair Technician must be able to repair and properly match paint on vehicle bodies, repair vehicle frames, and understand mechanical, electrical and electronic systems. The repair person works with metals, plastics and fiberglass in repairing the vehicle.

COSMETOLOGY

Course #775

Year

3.75 credits

Cosmetology is the science of beautifying the skin, nails and hair with proper techniques and products. From a career view, cosmetology is an exciting, creative profession that is a multi-billion dollar industry that grows bigger daily. The goal of this course is to provide the skills and 1250 hours of instruction necessary to pass the State Board of Cosmetology licensing examination as well as preparing the student with skills necessary for employment in a salon.

CULINARY ARTS

Course #777

Year

3.75 credits

The Culinary Arts program provides training and certifications in the food service industry through extensive hands-on experience utilizing the latest trends, and equipment meeting industry standards. Students receive instruction in safety and sanitation, hot and cold food preparation, pastry arts, nutrition, menu planning, displays banquet and dining room services and all aspects of food preparation for a successful career in culinary arts. Leadership and team skills are developed through FCCLA (Family Career Community Leader of America) youth organization. ServSafe certification nationally recognized is also available. Join now and experience an exciting adventure in Culinary Arts.

AIR CONDITIONING/REFRIGERATION **

Course #779

Year

3.75 credits

Air Conditioning/Refrigeration is the installation and maintenance of commercial and domestic refrigerators and freezers; automobile air conditioners and residential air conditioners; commercial ice makers; and air to air heat pumps. These are the main areas of instruction that an Air Conditioning/Refrigeration student will encounter.

CARPENTRY (formerly Building Construction Occupations) **

Course #781

Year

3.75 credits

This course introduces students to basic building techniques used in residential construction. The areas covered within this program are rough framing, site work, interior and exterior finishing, concrete setup and energy conservation. Working from a set of blueprints, individuals learn to layout, cut and assemble projects and wood frame structures safely using the proper hand and power tools. In the masonry portion of the course students learn the basic skills of masonry construction, including bricklaying and blocklaying.

ELECTRICAL OCCUPATIONS **

Course #783

Year

3.75 credits

Electrical Occupations is the study of basic theories of electricity and magnetism that explain the operation of various electrical systems. Students learn to apply these electrical theories and concepts in the practical shop activities. Students will learn to layout, assemble and install various circuits and electrical equipment used in residential, commercial, and industrial settings. The program also covers light installation, switches, transformers and motor controls.

PLUMBING/HEATING

Course #785

Year

3.75 credits

Students learn the techniques to install, repair and maintain the plumbing and heating systems of a residential or commercial building. Blueprint reading, building codes and regulations, and the proper handling of fixtures and components of the systems are part of the program. The students also gain an understanding of heating systems, furnaces, boilers, water heaters, oil burners, pumps, circulators and control systems. Soldering, welding and related electrical skills are included in the coursework.

METAL WORKING OCCUPATIONS

Course #787

Year

3.75 credits

Metal Working Occupations covers two general trade areas; machining and welding. In machine trades students learn to shape metal to precise dimensions using blueprints and machine tools. All types of bench and machine tools are used to cut, drill, grind and form various types of metals. Operation and programming of a numerical control (NC) milling machine and a computerized numerical control (CNC) lathe, which can perform faster and more precisely than traditional machines, are included. The welding portion of the program teaches the basic techniques of arc, gas tig and mig welding, testing and inspection of welds, metallurgy, blueprinting reading, plasma cutting and fabrication techniques. Students learn the properties and characteristics of metals and proper methods of joining these metals.

ANIMAL SCIENCE

Course #788

Year

3.75 credits

Animal Science is a 3-year program of study and activities to provide training for entry positions in an animal facility or clinic. Students have the opportunity to demonstrate basic handling and technical skills on models as well as gain practical skills while caring for classroom animals. Students study anatomy, physiology, medical terminology, nutrition, reproduction, genetics, grooming, as well as basic healthcare and office procedure skills. Students also can prepare for a variety of occupational opportunities available with further training after graduation. Students may join the FFA and participate in contests and activities sponsored by this organization.

LANDSCAPING TECHNOLOGY/HORTICULTURE

Course #790 (PM – only)

Year

3.75 credits

Landscaping Technology/Horticulture students have the opportunity to study Landscaping design, installation, and maintenance, Greenhouse Management, and Small Engine Maintenance and Operation. This is a practical, “hands-on” program that gives students the opportunity to manage the school greenhouse, assist in maintaining the school campus grounds, and operate power equipment used in the landscaping industry like zero-radius mowers and front end loading tractors. Students may join the FFA and participate in contests and activities sponsored by this organization.

HEALTH OCCUPATIONS **

Course #791

Year

3.75 credits

The Health Occupations class is a 3-year program of study and training in diverse health care fields. Students enrolled in this curriculum will be exposed to many types of health care occupations and skills including: nursing, medical assisting, respiratory therapy, radiology technician, dental assisting, and physical therapy. Students will have the opportunity to obtain CPR/AED certification. Students will participate in a clinical experience at local health care facilities. Students also participate in job shadowing in various departments at a local hospital. Emphasis is placed on professionalism, job seeking, and job seeking skills. Professional development workshops will provide the tools for students to be successful in employment and life. Students who are eligible will participate in a Certified Nurse Assistant class to enable the student to obtain certification in this area. Students will also explore various clerical duties that are relevant to medical offices and health care facilities.

COMPUTER SERVICING TECHNOLOGY

Course #797

Year

3.75 credits

In the Computer Servicing Program, students are given the skills necessary to install, program, operate, maintain, service and diagnose operational problems in both computer hardware and software. Students will also learn the fundamentals of computer networking and network administration. The successful student in the Computer Servicing Program is given the opportunity to become certified in any of four CompTIA A+ certification domains, CompTIA Net+ certification, or Microsoft MCP certification. These certifications prepare the student for immediate employment in the computer maintenance field. Many students have also continued their education in either two- or four-year college programs. The Computer Servicing Technology Program is a three-year program designed for both secondary and post-secondary students consisting of 1080 clock hours to complete the entire program.

** College credits may be earned by taking this course.

Recommended Career Prep Curriculum

9th Grade	10th Grade	11th Grade	12th Grade
Comprehensive/CP English 9	Comp/CP English 10	Comp/CP English 11	Comp/CP English 12
World Geography/Economics Latin American African Studies	Western Civilization Asian Studies	Career US History	Career Am. Gov't Career Economics
Conceptual Algebra 1/Alg. 1, Conceptual Geometry/Geometry or Conceptual Alg. 2/Algebra 2	*Next course in Math series	*Next course in Math series	*Next course in Math series or elective if 3 math courses were passed
Career Prep Biology	Career Prep Env. Science Career Prep Physical Science	Career Chemistry or Conceptual Physics	A science elective if desired or one of the previously noted science classes or another science class if 3 science classes not yet passed
How to Study			
Physical Ed./Health	Physical Ed./Health	Physical Ed/Health	Physical Ed/Health
Business Information Proc.**	Business Information Proc.**	Electives	Electives or Work Release
Family and Consumer Science	Driver Ed Class		
Music Appreciation, or Concert Band, Or Choral 9 or Band 9	Electives		

Design Fundamentals

*Math Series:

Conceptual Algebra 1 or Algebra 1; Conceptual Geometry or Geometry; Conceptual Algebra 2 or Algebra 2; Functions and Trig; Pre-Calc; Calculus

**Business Information Processing is a graduation requirement that can be taken 9th through 12th grade, preferably in 9th or 10th.

Recommended Career Prep Curriculum (HCCTC Option)

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Comprehensive/CP English 9	Comp/CP English 10	Comp/CP English 11	Comp/CP English 12
World Geography/Economics Latin American African Studies		Career US History	Career Am. Gov't Career Economics
Conceptual Algebra 1/Alg. 1, Conceptual Geometry/Geometry or Conceptual Alg. 2/Algebra 2	*Next course in Math series	*Next course in Math series	
Career Prep Biology	Career Prep Env. Science Career Prep Physical Science		Career Chemistry or Conceptual Physics
Physical Ed./Health	PE/Health	PE/Health	PE/Health
Business Information Proc.**	HCCTC Class	Driver Ed. Class HCCTC Class	HCCTC Class
Family and Consumer Science			
Music Appreciation, or Concert Band, Or Choral 9 or Band 9			
Design Fundamentals			

How to Study

*Math Series:

Conceptual Algebra 1 or Algebra 1; Conceptual Geometry or Geometry; Conceptual Algebra 2 or Algebra 2; Functions and Trig; Pre-Calc; Calculus

**Business Information Processing is a graduation requirement that HCCTC students must take in 9th grade.

Recommended College Prep Curriculum

9th Grade	10th Grade	11th Grade	12th Grade
Comprehensive/CP English 9 or Accelerated English 9	Comp/CP English 10 Or Accelerated Eng. 10	Comp/CP English 11 Or Accelerated Eng. 11	Comp/CP English 12 Or AP English 12
World Geography/Economics Latin American African Studies or Accelerated World Geo/Econ and Latin American African Studies	Western Civilization Asian Studies Or Accelerated Social Stu.	College Prep US History or Accelerated US Hist.	College Prep Am. Gov't College Prep Economics OR Dual Enrollment Am. Gov't/ Acc'l Econ
Conceptual Algebra 1/Alg. 1, Conceptual Geometry/Geometry or Conceptual Alg. 2/Algebra 2	*Next course in math series	*Next course in math series	Next course in math series or elective if 3 math courses were passed and not required by college of choice
How to Study			
College Prep Biology or Accelerated Biology	College Prep Env. Science College Prep Physical Science Or Accelerated Chemistry	Physics, Chemistry, or Accelerated Chem	Physics, Chemistry, or Biology II
Physical Ed./Health	Physical Ed./Health	Physical Ed/Health	Physical Ed/Health
Business Information Proc.**	Business Information Proc.**	Electives	Electives or Work Release
Family and Consumer Science	Driver Ed Class		
Music Appreciation, or Concert Band, or Choral 9 or Band 9	Electives		
Design Fundamentals			
Modern Language I (Spanish or French)	Modern Lang. II	Modern Lang. III	Modern Lang. IV

* Math Series: Conceptual Algebra 1 or Algebra 1; Conceptual Geometry or Geometry; Conceptual Algebra 2 or Algebra 2; Functions and Trig; Pre-Calc; Calculus or AP Calc.			

COURSE SELECTION SHEET

**REMEMBER TO SCHEDULE AT LEAST 6.5 CREDITS.
DO NOT SCHEDULE MORE THAN 8.75 CREDITS.**

**REFER TO THE DETAILED COURSE DESCRIPTION SECTION OF THIS PACKET
FOR COURSE NUMBERS AND NUMBER OF CREDITS EARNED IN EACH CLASS.**

Course Number	Course Name	Number of Credits
<i>Example: 111</i>	<i>Comp/CP English 9</i>	<i>1.25</i>

Total Number of Credits Scheduled: _____

Generally:

One full-year class offered every day in a 6-period cycle = 1.25 credits

One full-year class offered three days in a 6-period cycle= .625 credits

One half-year class offered every day in a 6-period cycle= .625 credits

One marking period class offered every day in a 6-period cycle= .313 credits

Some classes vary. Be sure to refer to the course descriptions for specific credit amounts.

Additional copies of this sheet are available on the district's website at

www.huntsd.org. Get your parents or guardians to sign it below

and submit it to your Guided Study/Homeroom teacher by

Friday, February 26th.

Student Name: _____ **Guided Study Room:** _____

Student I.D. # _____ **Current Grade:** _____

Student Signature _____ **Date:** _____

Parent/Guardian Signature _____ **Date:** _____