COURSE SELECTION SHEETS DUE TO HOMEROOM TEACHER:
Monday, March 2nd
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Curriculum Guides by Grade, a Course Selection Sheet, and a General Listing of all
courses offered are after the HCCTC Course Listings at the end of this packet.
GENERAL INFORMATION

GUIDANCE OFFICE

“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.”

Counselor for last names A through L:
Mrs. Melanie Snare  Phone 641-2134
E-mail address: msnare@huntsd.org

Counselor for last names M through Z
Mrs. Amanda Easter  Phone 641-2144
E-mail address: aeaster@huntsd.org

High School Guidance Secretary
Ms. Tammy Russell - Phone 641-2156
E-mail address: trussell@huntsd.org

College Adviser
Miss Malorie Sassaman  Phone 641-2146
E-mail address: msassaman@huntsd.org

Guidance Office Fax Number: 814-643-3800
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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 a copy of their high school transcript (current 8th graders do not have a transcript yet), along with a scheduling packet.

* Students will complete the course selection sheet in the back of the scheduling packet and obtain all necessary signatures;

* Students will submit the course selection sheet to their homeroom teacher by the date noted on the front page of this packet.

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

Use this checklist to assist you in designing your schedule:

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

_____ Review the “Curriculum Guidelines by Grade” in the back of this packet.

_____ Am I taking advantage of the opportunities the curriculum offers in terms of my interests and abilities?

_____ If you’re entering 12th grade, review the credit and core curriculum requirements on Pages 5 and 6 of this packet to be sure you schedule enough credits to graduate.

_____ Decide whether you wish to schedule college courses. College course information is listed on Page 10.

_____ 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. Additional copies are available on the high school’s web page or in the Guidance Office.

_____ Be sure you have all necessary signatures on the Course Selection Sheet.

____ GIVE YOUR COMPLETED COURSE SELECTION SHEET TO YOUR HOMEROOM TEACHER NO LATER MARCH 2ND.

See your Guidance Counselor if you have any questions!
SCHEDULE CHANGE POLICY

The school’s master schedule is designed each year based on the courses our students request. Every effort is made to match students’ needs and interests. Once schedules are made, the master schedule is basically in place and cannot be restructured. 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.
* PRINCIPAL APPROVAL IS REQUIRED FOR EVERY CHANGE REQUEST. SEE THE POLICIES NOTED BELOW.

SCHEDULE CHANGE AND CLASS WITHDRAWAL POLICIES:

✓ Students are permitted to drop a course with Principal approval ONLY. If the Principal grants approval, the student must add another credited course (meaning NOT a study hall). Please be aware that any schedule changes may affect what appears on your transcript, as follows:

✓ After the first week of school:

  o For ANY course, a “W” will appear on the transcript if a class is dropped AFTER the first week of school, but BEFORE the end of the 2nd week.

  o AFTER the end of the 2nd week of class, dropped classes will appear as follows on the transcript:

    o Semester Course: “W” (withdraw) will appear up until the end of the 1st marking period; after the 1st marking period “WF” will appear on the transcript;
    o Full Year Course: “W” will appear up until the end of the 1st and 2nd marking periods; After the 2nd marking period, “WF” will appear on the transcript.

Students removed from a course because of conduct or safety violations receive “WF” (withdraw failure) for that course, regardless of when the class withdrawal occurs.
Credit Key:

.50 (1/2) credit meets every day for one semester (i.e. two marking periods), noted as Semester OR .50 (1/2) credit meets every other day for an entire school year, which is noted as a “Year, Every Other Day.”

1.0 credit meets every day for an entire school year

The credit values noted above were effective in 2013-14; therefore, credits earned prior to that are still shown on the transcript under the “old” credit system. This does not adversely affect the students, but rather makes it easier to calculate and understand credit values. However, because of this, the total number of credits required for each graduating class will be different until the new credit value system is completely phased in. The number of credits needed by graduating class is as follows:

Class of 2016 (current 11th graders)
22.1 total credits are needed to graduate (three years of 1.0 credit values and one year of 1.25 credit values)

Classes of 2017 (current 10th graders) and 2018 (current 9th graders) and 2019 (current 8th graders) are completely phased in. 24 total credits are needed to graduate.

The completion of the core curriculum (on the next page) plus additional elective credits meets these guidelines.
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.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (4 Courses)</td>
<td>4.00</td>
</tr>
<tr>
<td>*Social Studies (3 courses)</td>
<td>3.00</td>
</tr>
<tr>
<td>Mathematics (3 courses)</td>
<td>3.00</td>
</tr>
<tr>
<td>*Science (3 courses)</td>
<td>3.00</td>
</tr>
<tr>
<td>Physical Education/Health (4 courses)</td>
<td>2.00</td>
</tr>
<tr>
<td>Art (1 Course)</td>
<td>0.50</td>
</tr>
<tr>
<td>Music (1 Course)</td>
<td>0.50</td>
</tr>
<tr>
<td>Family &amp; Consumer Science (1 Course)</td>
<td>0.50</td>
</tr>
<tr>
<td>Technology/Business class (1 Course)</td>
<td>0.50</td>
</tr>
<tr>
<td>Electives</td>
<td>7.00</td>
</tr>
</tbody>
</table>

*Social Studies requirements: US History II, American Government and Economics, and an additional 1.00 social studies credits.

*Science requirement: Biology and an additional 2.00 science credits.

Students will be limited to a maximum of one study hall each day. Exceptions will be made only for those students that participate in the work release program, co-op programs, are participating in college courses, or as requested in an IEP. Generally, students are not permitted to replace a credited course with a study hall, even if the student’s schedule is below the maximum study hall limit.
Beginning in 2014-15, classes that are “Honors” or “Advanced Placement” earn what is termed “weighted” grade point average (GPA). In previous years, our GPA calculations were based on unweighted averages.

The difference between a weighted and unweighted GPA is that weighted GPA takes the difficulty of each class into consideration. An unweighted GPA does not recognize this difference. Basically, this results in a more equitable assessment of cumulative GPA and class rank because students are earning their GPAs based on the class difficulty AND grades earned, instead of grades earned only.

**What should you know about these changes?**

1) GPA is determined based on a mathematical calculation involving credits attempted, credits earned, and quality points, which is all a part of our grading scale. The grading scale we use now will have additional factors to allow for weighting.

2) The “weighting” key is as follows:
   - Classes which are named “Advanced Placement” will earn a weighting of 1.4;
   - Classes which are named “Honors” will earn a weighting of 1.2;
   - All other classes earn a weighting that is equal to the number of credits earned.

**NOTE:** Advanced Placement classes (weighted) are sometimes abbreviated as “AP”
Honors classes (weighted) are called “HONORS”
College Prep classes (which are not weighted) are sometimes abbreviated as “CP”

3) **IMPORTANT:** The credit students earn for a weighted class is the SAME as the credit earned for an unweighted class. The difference is noted in the GPA calculation only. In other words, students in Honors English 11 will earn 1.0 credit toward graduation, the same as students in Comp/CP English 11. But when the GPA is calculated for transcript purposes, the grade in the Honors English class will earn 1.2 GPA credits and the Comp/CP English will earn 1.0 GPA credit.

4) **Weighting of classes takes effect beginning in 2014-15 and after only.** Students currently in 10th or 11th grade will not have their GPAs re-calculated in years prior to 2014-15 to show a weighted GPA. They will, however, benefit from weighted GPA calculation in 2015-16 and after.
The Keystone Exams are state-mandated, end-of-course assessments designed to measure proficiency in identified subjects. Beginning with the class of 2017, students must demonstrate proficiency on the Algebra 1, Literature, and Biology Keystone Exams to graduate. Students will be offered multiple opportunities to take the Keystones throughout their high school careers.

Because Keystones are designed as end-of-course assessments, the following courses are identified as classes that culminate with a Keystone exam:

- Algebra 1
- English 10 (Comp/CP and Honors)
- Biology (CP and Honors)

The Keystone testing windows for 2015-16 are:

**Winter:**
Wave 1: December 2-16, 2015 Algebra I, Biology, Literature  
OR  
Wave 2: January 6-20, 2016 Algebra I, Biology, Literature

**Spring:** May 16-27, 2016 Algebra I, Biology, Literature

Typically, the winter testing dates (either Wave 1 or Wave 2) are to test students who were not proficient during spring testing the year before. The spring test period is reserved for those students enrolled at that time in the classes that are assessed (Algebra I, English 10 and Biology). Students and parents will be informed when our exact testing dates are determined.
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. 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.

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: HAHS students who do not complete the graduation project research paper in their 11th grade English class as assigned will be required to complete it as a “summer school” course at a cost to the student.

PORTFOLIO PORTION OF GRAD PROJECT

All high school students must 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 four career searches on careercruising.com and include the results in the senior portfolio. Instructions for doing the career search are in the Graduation Project Packet, on the high school’s web page and are available in the Guidance Office.
Students can take college courses through agreements with Juniata College, Penn Highlands Community College (PHCC) and DuBois Business College. The colleges reserve the right to limit the number of classes a high school student can take during his or her high school career. The high school reserves the right to deny a student college classes based on high school grade point average and a student’s current progress in meeting high school graduation requirements.

**Grading of College Courses:**
You may choose to have your college grade earned appear on your high school transcript as a percentage grade (that will affect your high school GPA, as a weighted grade) or as a Pass/Fail grade (that does NOT affect your high school GPA).

**Exception:** Any college course taken as a *required* high school course (i.e. US History II, etc.) must be reported on the high school transcript as a percentage grade that affects the high school GPA.

In either case noted above, students will earn high school credits for college courses are as follows:

1 college credit = .50 high school credit
3 or more college credits = 1.00 high school credits

For more information, visit [www.huntsd.org](http://www.huntsd.org), click on Schools, then High School, then College Information and look for Dual Enrollment Guidelines.
COURSE DESCRIPTIONS

CREDIT KEY:

.50 (1/2) credit meets every day for one semester (i.e. two marking periods), noted as “Semester” OR
.50 (1/2) credit meets every other day for an entire school year, which is noted as a “Year, Every Other Day.”

1.0 credit meets every day for an entire school year

ART CLASSES: There are three levels in which students can progress through their high school art career. Level I classes have no prerequisite. Level II classes will have a prerequisite of one Level I class (in some cases specific classes are listed). Level III classes will have several prerequisites: one Level I class and two Level II classes. Exceptions will be made only with the administrative and art teacher approval.

INTRO TO ART (Level I)
No Prerequisite
Course #820 Semester .50 credit
This class focuses on identifying, understanding, and applying the elements and principles of art. It is a combination of art history and art production. Students will learn to critique their work and the works of others. They will keep an ongoing information/sketch book both inside and outside of class.

CERAMICS I (Level I)
No Prerequisite
Course #824 Semester .50 credit
The ceramic course is designed to introduce students to various ceramic hand building processes. The course will include the history of ceramics as well as creation of work which includes functional ware such as cups, plates, and bowls. Not only will functional work be explored, but students will have the opportunity to create works of art making tiles, mono-prints, and sculptural forms. The focus of the instruction will be the properties of clay, techniques, artistic tools, and the glaze materials and creative designs. Each week there will be a mini-critique for students to share and discuss their work with their peers.

VISUAL ARTS & GRAPHIC DESIGN (Level I)
No Prerequisite
Course #657 Year 1.00 credit
NOTE: THIS CLASS FULFILLS BOTH THE ART AND THE TECHNOLOGY CREDITS REQUIRED FOR GRADUATION
This class is a great fit for students who have an interest in, or want to explore the area of graphic design. It focuses on real-life application infusing design elements and technology methods. Students will design logos, create websites, and develop a visual product portfolio. There is a balance of independent and group work, as well as use of both traditional and digital materials.
2D DESIGN (Level II)  
**Prerequisite:** One Level I Art Class  
**Course #821**  
Focusing on drawing, painting, collage, and printmaking, this class is the answer for students who prefer to work two-dimensionally. In addition to honing their drawing skills, students will also focus on creating good compositions. For those students preparing for college, they will have the opportunity to complete 3-4 finished portfolio pieces in this class.

3D DESIGN (Level II)  
**Prerequisite:** One Level I Art Class  
**Course #823**  
This class will have students focusing on working in the round. All projects will be sculptural and focus on the use of spatial and visual balance. Materials that could be explored are: plaster (additive and subtractive techniques), metal, wood, paper, cardboard, soap blocks, and found objects. Students may use clay as a means for some sculpture techniques, but finished pieces will be made from other materials. Clay will not be fired.

ADVANCED CERAMICS (Level II)  
**Prerequisite:** Ceramics I  
**Course #825**  
The advanced ceramic course will focus on creation of complex forms. Students will create larger works of art and begin to develop a body of work that is representational of the student’s artistic interest and style. The goal for this course is to provide the advanced student an opportunity to artistically grow in a setting with ambitious peers. Students will be able to produce ceramic works and create a sophisticated portfolio development which can be used for the college/art school application process and also, submission in juried art competitions and exhibitions. Student work must reflect well thought-out and ambitious planning. Critiques will be held to help promote the development of artistic skills and designs, with the language necessary to effectively participate in higher education critiques.

ADVANCED ART (Level III)  
**Prerequisite:** One Level I Art class and two Level II Art classes  
**Course #822**  
Advanced Art is an upper level course that provides students with the opportunity to choose the media they wish to study. The class is a double period to allow for more involved project materials and processes. It is suggested that students have a strong background in both 2D and 3D art production. Students have the chance to explore their creativity and work in the medium that allows them to best express it. Class size is limited and independent studies are encouraged. This class is a great way to build a visual portfolio.

MUSIC CLASSES:

MUSIC APPRECIATION (9th through 12th)  
**Course #813**  
Major goals of this class include: increased understanding of students' favorite music; increased openness to all forms of music; moving students toward intelligent music listening skills; and the cultural impact of the arts in general.

MUSIC THEORY I (9th through 12th)  
**Course #814**  
Music Theory I introduces students to the rudiments of music notation, interval recognition, scale studies/tonality, triads, basic melodic and harmonic composition. The skills acquired as a result of this course will form a foundation for applied music students who wish to expand their understanding of music structure and composition. Supplemental activities include studies in music history, aural skill training, critical listening and individual/group performing. Any vocal or instrumental student may elect this course.
MUSIC THEORY II (10th through 12th)
Course #815 Semester .50 credit
Prerequisite: At least a “B” average in Music Theory I
Music Theory II is a logical continuation of Music Theory I, with a great emphasis placed on ear training, composing (4-part voice leading and arranging), harmonic analysis and music history. This is a college-level course designed for the advanced high school musician who has a strong background in vocal and/or instrumental music, as well as a prior experience with the basic rudiments of music theory. A student should have attained at least a “B” average in Music Theory I in order to be prepared for the rigors of this class. It is highly recommended that students who wish to pursue a career in music or in a related field take this course. Those who successfully complete Theory II will be well-prepared to take advanced levels of music theory in college.

VOICE CLASS I (9th through 12th)
Course #816 Semester .50 credit
Voice class is designed to offer students individual coaching in a small group setting. Class size will not exceed 10 pupils. Singers who wish to develop proper vocal technique will be presented with many various vocal exercises, a wide assortment of selected solo and choral repertoire, including some foreign language pieces (Italian & German), and will receive instruction in ear training and solfeggio (Do, re, mi…). Vocal artistry, understanding of varying musical styles and performance etiquette are emphasized. A public recital is sometimes presented at the end of the school year so that students may demonstrate their vocal development.

VOICE CLASS II (10th through 12th)
Course #817 Semester .50 credit
Prerequisite: At least a “B” in Voice I or be an advanced choral singer
An advanced version of Voice I, Voice II class is designed to provide individual vocal coaching to students in a small group setting. The class size will not exceed 10. A pre-requisite for this course is having earned at least a “B” in Voice I or to be an advanced choral singer. Students will develop their aural and sight-reading skills through solfege singing (Do, re, mi….) and their solo vocal skills through dramatic readings and by studying a wide assortment of challenging solo repertoire. The course traditionally culminates in a public vocal recital that is planned and performed by the students at the end of the semester.

GUITAR I (9th through 12th)
Course #818 Semester .50 credit
This class is designed to offer beginning guitar players the basic rudiments of first position chords, simple melodic note reading, varied strumming patterns, and beginning classical finger picking patterns. Music literature for the course consists of folk and popular songs (i.e. Beatles, John Denver). Although 12 guitars are usually available, students are encouraged to have their own instrument. Having prior playing experience is not necessary for this course.

GUITAR II (10th through 12th)
Course #819 Semester .50 credit
Prerequisite: Guitar I
Guitar II is a logical continuation of Guitar I in developing intermediate guitar skills. Because the literature for this course consists of folk and popular tunes at a more challenging level, players much achieve at least a “B” average in Guitar I in order to successfully attempt the skills in Guitar II. In addition to studying more advanced chording, strumming and finger picking techniques, students will be introduced to various barre chord forms. Although 12 guitars are usually available, students are encouraged to supply their own guitars.

CHAMBER SINGERS (10th through 12th)
Course #850 Year, Every Other Day .50 credit
A select, mixed choral ensemble (SATB) whose members are chosen by audition, Chamber Singers provides the serious high school singer in grades 10-12 with the opportunity to sing more challenging choral literature. Strong musicianship and well-developed vocal/choral skills are required. Much of the repertoire for this ensemble is a cappella, and various public performances are given throughout the year. Chamber Singers join Choralairs for at least two (2) public performances yearly. Attendance is mandatory.
CHORALAIRS
Course #851 Year, Every Other Day .50 credit
This non-auditioned chorus is comprised of students in grades 9 through 12. Students are presented with a variety of music styles and will be encouraged to further develop their individual vocal technique, choral musicianship, and music-reading skills. Choral literature for this course is moderate in difficulty with strong emphasis given to musical enjoyment. There will be at least two (2) public performances given each year. Attendance is mandatory.

CONCERT BAND
Course #852 Year, Every Other Day .50 credit
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.

HANDBELL CHOIR (9th through 12th)
Course #853 Semester .50 credit
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.

PIANO I
Course #854 Semester .50 credit
Piano class is geared towards students with a desire to learn how to play the piano. Through this course, students will learn basic piano skills and how to read music well. Music literature for the course consists of popular and widely recognized melodies. This course is an elective for students and will fulfill the music requirement for graduation. Having prior playing experience is not necessary for this course and it is NOT for students currently taking piano lessons privately.

PIANO II
Course #855 Semester .50 credit
Piano Class II is open to any student in grades 9 - 12 who has earned at least a “B” average in Piano I and who would like to develop intermediate skills on the piano/keyboard (chords, melodic reading/playing). Music literature for the course consists of popular and widely recognizable melodies. Students who successfully complete this course will be equipped to study with a private instructor for advanced skills & training on piano.

HEALTH AND PHYSICAL EDUCATION CLASSES:

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 every day, with one marking period of Health Class and one marking period of Physical Education class.
- 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) - REQUIRED
Course #921 Semester .50 credit
STRENGTH AND CONDITIONING – ELECTIVE
Course #922 Semester .50 credit
Note: Class size is limited.
This class was created to provide an opportunity for development of strength and conditioning for various sports and fitness-related activities. The strength program is followed to promote improvement in strength. Conditioning activities are implemented to promote improvement in endurance, balance, agility and speed. Because of the limited space available, students will not be permitted to drop this class once the class begins.

LANGUAGE ARTS

COMPREHENSIVE/COLLEGE PREP ENGLISH 9
Course #111 Year 1.00 credit
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.

HONORS ENGLISH 9
Course #140 Year 1.00 credit
1.2 GPA Weight
Note: Honors English is a highly demanding class specifically designed for students interested in pursuing language or liberal arts careers. Students should be able and willing to go deeper in literary analysis and critical thinking, complete 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. Students are required to have no less than an 83% each marking period in 8th Grade Language Arts (English) and as a final grade for the class. Students are also required to have achieved Proficient or Advanced on the PSSA. Teacher recommendations may be required.
The Honors program for Grade 9 is geared to enriching the student’s ability through the use of critical thinking skills and literary analysis. 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.

COMPREHENSIVE/COLLEGE PREP ENGLISH 10
Course #112 Year 1.00 credit
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.
HONORS ENGLISH 10  
Course #143  
Year  
1.00 credit  
1.2 GPA Weight  

Note: Honors English is a highly demanding class specifically designed for students who want to pursue a rigorous course. Students should be willing to complete 15 to 10 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.  
Honors 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 Honors student will interpret and analyze thematic elements within the assigned reading. Honors 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  
1.00 credit  

This course emphasizes improvement of communication skills, both written and oral, as students make a chronological journey through American literature. Types of literature which will be studied include nonfiction, poetry, drama, short stories, and novels. Direct instruction of grammar is correlated to writing assignments. Vocabulary development is continued through SAT preparation word lists. A research paper will also be completed.

HONORS ENGLISH 11  
Course #145  
Year  
1.00 credit  
1.2 GPA Weight  

Note: Honors 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, Honors 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, poetry, short stories, drama, and novels. Grammatical and stylistic techniques are addressed and implemented through the writing process.

COMPREHENSIVE/COLLEGE PREP ENGLISH 12  
Course # 114  
Year  
1.00 credit  

The 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 British and World Literature.

HONORS ENGLISH 12  
Course #149  
Year  
1.00 credit  
1.2 GPA Weight  

Note: Honors English is a highly demanding class specifically designed for students interested in pursuing language or liberal arts careers. Students should be willing to complete 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.

Honors English 12 incorporates historical, philosophical, cultural, and religious influences into the chronological study of British literature from Anglo-Saxon to Modernity. Emphasis is placed on literary analysis. Critical reading, writing, thinking, research, and oral communication skills will be applied to the analysis of selections which constitute the basis of British classics and other world literature.
ADVANCED PLACEMENT ENGLISH 12  
Course #147  
Year  
1.00 credit  
1.4 GPA Weight  

Note: AP English is college-level course 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. Students must complete a summer reading program in order to participate in the class and 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 which includes classic and contemporary American and world literature, 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. To be successful in this class, students should have completed the Honors English 11 course with a minimum of a B average.

SAT PREPARATION COURSE – MATHEMATICS AND READING  
Course #150  
Semester  
.50 credit  
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 and Reading sections of the SAT's are emphasized.

FEMININE LITERATURE  
Course #121  
Semester  
.50 credit  
A study of Jane Austen, using Pride and Prejudice and Sense and Sensibility will explore the expected acceptable role of females in the Romantic Age of literature. This study will include ideas on marriage, education, religion, social conventions, and morality of this period in British history and the Modern Era.

BOOKS FOR LIFE  
Course #155  
Semester  
.50 credit  
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.

DRAMATIC LITERATURE  
Course #156  
Semester  
.50 credit  
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.

MODERN THEMES IN CLASSIC FILMS  
Course #160  
Semester  
.50 credit  
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.

GREEK AND ROMAN MYTHOLOGY  
Course #165  
Semester  
.50 credit  
Classic Literature contains many allusions to the mythology of the Ancient Greek and Roman culture. This course will review the major gods and goddesses of these ancient religions and examine the most popular mythological stories of their time.
GOTHIC NOVEL
Course #170  Semester  .50 credit
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.

FOREIGN LANGUAGE

SPANISH I (9th through 12th)
Course #312  Year  1.00 credit
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  1.00 credit
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  1.00 credit
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  1.00 credit
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.

The Huntingdon Area High School is also offering French ONLINE through Brigham Young University as a high school level course.

FRENCH I, II OR III
Course # = Not needed  ONLINE  1.00 credit
Students begin their introduction by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit.

In higher level courses offered (French II and III), students continue their study by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also are able to express themselves more meaningfully in both speaking and writing.
PLEASE NOTE: YOUR CURRENT MATH TEACHER WILL RECOMMEND THE NEXT LEVEL MATH CLASS YOU SHOULD TAKE. YOU NEED TO HAVE YOUR CURRENT MATH TEACHER COMPLETE AND SIGN A SECTION ON YOUR COURSE SELECTION SHEET.

CP ALGEBRA 1  
Course #412 Year 1.00 credit  
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. This course will help prepare students for college level courses by giving an in-depth look at Algebra concepts.

CP ALGEBRA 2  
Course #420 Year 1.00 credit  
Recommendation: Pass CP Algebra 1 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. This course will help prepare students for college level courses by giving an in-depth look at Algebra concepts.

ALGEBRA 2  
Course #419 Year 1.00 credit  
Recommendation: Pass CP Algebra 1 with a 70% or higher.  
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. The intention is to introduce students to these concepts in a comprehensible and coherent way, rather than insisting on mathematical rigor.

CP FUNCTIONS AND TRIGONOMETRY  
Course #451 Year 1.00 credit  
Recommendation: Pass CP Algebra 2 with a 70% or higher.  
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. This course will help prepare students for college level courses by giving an in-depth look at Trigonometry concepts.

FUNCTIONS AND TRIGONOMETRY  
Course #450 Year 1.00 credit  
Recommendation: Pass Algebra 2 or CP Algebra 2 with a 70% or higher.  
This course further explores fundamental concepts of algebra 2, functions, and trigonometry. The student will be provided with abundant practice. Key topics include exponential, logarithmic, radical and rational functions along with data analysis and trigonometry. Students will continue to learn to model real-world situation. The intention is to introduce students to these concepts in a comprehensible and coherent way, rather than insisting on mathematical rigor.
PRE-CALCULUS & DISCRETE MATHEMATICS
Course #452 Year 1.00 credit
Recommendation: Pass CP Functions and Trigonometry with a 70% or higher.
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.

ADVANCED PLACEMENT CALCULUS
Course #453 Year 1.00 credit
Recommendation: Pass CP Functions and Trigonometry or Pre-Calculus and Discrete Mathematics with a 70% of higher.
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.

STATISTICS
Course #455 Semester .50 credit
Recommendation: Pass two high school math classes with a 70% or higher.
NOTE: This course does NOT fulfill a math graduation requirement.
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 AND READING
Course #150 Semester .50 credit
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 and Reading sections of the SAT’s are emphasized.

SCIENCE
CP ENVIRONMENTAL SCIENCE & ECOLOGY (9th)
Course #522 Year 1.00 credit
This course is meant to be taken before 10th grade Biology. Areas of study include renewable and non-renewable resources, alternative energies, waste and waste management, watersheds and wetlands, environmental health, humans and the environment and ecosystems and their interactions. Objectives of the course are covered using a variety of methods which include lab activities, group work, student research, audio-visual aids, individual work and lecture.

HONORS BIOLOGY (9th grade)
Course #511 Year 1.00 credit
Prerequisite: At least a 92% final grade in 8th grade math (Algebra or Geometry) and 7th and 8th grade science courses.
This course is designed to be intellectually challenging. Honors Biology explores the broad spectrum of life from microbes to animal and plant kingdoms. 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. Teaching strategies include utilization of Juniata College's Science In Motion project, illustrated lectures, cooperative learning, viewing and discussion of DVDs, 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.
CP BIOLOGY (10th grade)
Course #510  Year  1.00 credit
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 are aligned with the PA Keystone Exam content and include cellular structure and function, photosynthesis and respiration, genetics and the principles of heredity, adaptability and diversity, modern classification, evolution by natural selection, and ecological relationships. A variety of laboratory investigations are used and students are introduced to modern tools and methods of biology.

ADVANCED PLACEMENT BIOLOGY (11th or 12th)
Course #552  Year  1.00 credit
1.4 GPA Weight
Prerequisite: Students must have earned a B or better in either College Prep Biology or Honors Biology AND must have earned a C or better in either CP Chemistry or Honors Chemistry. IN ADDITION, students must be proficient or better on the Biology Keystone exam.
The AP Biology course is designed to be the equivalent of a college-level introductory biology course but taught within the parameters of a high school setting. The intent of the course is to offer students a solid curriculum in general biology concepts and to assist students in developing an appreciation for the study of life. The course content and inquiry-based labs are organized around biological principles called big ideas that permeate the entire course and focus on the following topics:
- **Big Idea 1:** The process of evolution drives the diversity and the unity of life;
- **Big Idea 2:** Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis;
- **Big Idea 3:** Living systems store, retrieve, transmit, and respond to information essential to life processes;
- **Big Idea 4:** Biological systems interact, and these systems and their interactions possess complex properties.

HONORS CHEMISTRY (10th, 11th or 12th grade)
Course #535  Year  1.00 credit
1.2 GPA Weight
Prerequisite: B- or better in CP or Honors Biology; B- or currently taking Algebra 2
Note: Class size is limited.
Honors Chemistry is placed on independent or small group work in the classroom and in the laboratory. The material covered includes: Periodic Table history and structure, atomic structure, writing and balancing chemical equations, the mole concept and stoichiometry, the gas laws, solutions, descriptive chemistry, equilibrium, acids and bases, oxidation and reduction. Class time is split between the laboratory and classroom where students work both independently and collaborating with others. This is an excellent course for those students with an interest in science and for those who are considering further study in the area of physical science.

CP CHEMISTRY (11th or 12th grade)
Course #532  Year  1.00 credit
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 Algebra 2.

ADVANCED PLACEMENT CHEMISTRY (11TH or 12th)
Course #554  Daily with every other day double period  1.5 credit
1.4 GPA Weight
Prerequisite: B- or better in both Chemistry and Algebra 2
Class Size is limited.
The AP Chemistry program is a second-year chemistry course that provides an opportunity for students to receive credit for college-level course work. The material covered includes: atomic theory, periodicity within the Periodic Table, chemical bonding, the gas laws, liquids & solids, solutions, stoichiometry, reaction types, equilibrium, kinetics, and thermodynamics; as well as introductions to organic and nuclear chemistry. The material will be presented through lectures, problem-solving sessions, and extensive reading assignments in the text. Emphasis will also be placed on laboratory techniques and calculations.
ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE & ECOLOGY (11TH OR 12TH)
Course #523 Daily with every other day double period 1.5 credit
1.4 GPA Weight

Pre-requisites: 85% or better in 9th grade Env. Science and/or 10th grade Biology or teacher’s permission.
Note: Class size is limited.
There will be four to six required field trips. This course is offered to college-prep students with a major emphasis on the environment. It is a continuation of the Environmental Science & Ecology class; however, Environmental Science & Ecology is not a definite prerequisite. The goal of AP Environmental Science is to provide students with the scientific principles, concepts, and methodologies required to understand and examine the risks associated with growth in a developing world by studying watersheds and wetlands; study of lakes; ecosystems and their interactions; environmental impact of population growth on natural resources; environmental health; humans and the environment; environmental laws and regulations; and threatened, endangered and extinct species.

CP PHYSICS (11th or 12th)
Course #540 Year 1.00 credit
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 Trigonometry 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 focuses on the theory, mathematical principles, and problem solving techniques needed to model physical principles in our everyday world.

ADVANCED PLACEMENT PHYSICS & AP PHYSICS LAB (12th)
Course #541 Daily with every other day double period 1.5 credit
1.4 GPA Weight
Prerequisite: Students should have taken CP Physics and earned a B- or better unless permission is given by the instructor.
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 or other students who have the approval of the instructor. It is suggested that students who decide to take this course be taking calculus or pre-calculus concurrently. The course consists of the same basic topics as Physics; however, each topic is taken to a more extensive problem-solving level. The course is designed in such a way as to model a “college” level experience and offer students a self-paced and challenging experience. Given the rigor of the course, students should expect to adhere to deadlines and complete lab work and problem sets that are extensive.

METEOROLOGY (11th and 12th grade)
Course #536 Semester .50 credit
This class is a semester-long science elective course primarily for juniors and seniors that is designed to familiarize students with the Earth’s atmosphere and the weather events that take place in it. Students will understand the formation and properties of atmospheric phenomena and the elements of weather. It will provide the foundation for taking a college-level science class, specifically in the atmospheric sciences. Topics covered in this course include: the origin and evolution of the Earth’s atmosphere, the structure and characteristics of the atmosphere, the Earth/Sun relationships and their influence on the seasons, solar and terrestrial radiation, global circulation, weather systems and fronts, storms and analysis of weather maps, basic forecasting, climatology, atmospheric chemistry, and space weather. Laboratory exercises and projects have been designed to complement the topics covered in lecture. Guest lecturers will also give talks to students about current meteorological events and topics.

SOCIAL STUDIES

CP MODERN WORLD HISTORY (9th Grade)
Course #211 Year 1.00 credit
Beginning with the reawakening of humanistic intellectual curiosity that emerged in 15th century Europe during the Renaissance, the purpose of this course is to examine the influence of this movement over centuries and continents to inspire the cultural, economic, political, religious and scientific revolutions that have brought about the modern, interdependent global society which we inhabit today. With an emphasis on the socio-cultural and historical developments of Europe, Asia, Africa and Latin America, Modern World History envisions an informed, discriminating student who acts with appreciation, judgment and respect for the shared humanity of all.
**HONORS MODERN WORLD HISTORY (9th Grade)**
Course #141 Year 1.00 credit 1.2 GPA Weight

Designed to facilitate and encourage higher-order thinking skills, this course covers the same content as outlined in the Modern World History description but requires students be capable of independent thought-processing, possess strong reading comprehension and writing skills and have a general knowledge of various technological tools. Students will delve deeper into the material via primary source and literary readings as well as research projects and presentations.

**ADVANCED PLACEMENT MODERN WORLD HISTORY (9th Grade)**
Course # 142 Year 1.00 credit 1.4 GPA Weight

The AP World History course is an option that meets the requirements for freshmen level social studies; as the goal is for it to emulate a college-level class, students are expected to be capable of autonomous learning. Focusing on major themes and key concepts throughout the world’s development over six major time periods, the intent of this course is to examine our historical evolution while creating a more discerning student. Honing students’ analytical skills through chronological reasoning, comparison and contextualization, developing historical arguments based on evidence and historical interpretation and synthesis is integral in creating invested learners. Due to the content and resources utilized in this course, it HIGHLY RECOMMENDED that students have strong reading and writing capabilities. Please be aware that summer work will most likely be required as well!

**U.S. HISTORY I HCCTC (For 10th Grade HCCTC Students)**
Course #212 - For HCCTC Students Semester .50 credit

This class is an optional semester-long course open to HCCTC students analyzing the origins of the American nation in the Revolutionary War Era, Creation of the National Government, Growth of the New Country, and the Civil War Era. The course prepares students to grasp fundamental questions concerning the history of the United States from the proper role of government in a representative democracy to the role of social movements in shaping the character of the American experience. At the conclusion of the course students will have a ready command of the details of American history, allowing them both the historical perspective to comment on particulars as well as inform their thinking regarding current issues. Throughout the course, students will examine the intersection of economic, political and ideological concerns at different points in the United State’s early history.

**CP U.S. HISTORY I (For 10th grade students)**
Course #213 Year 1.00 credit

U.S. History is a year-long course analyzing the origins of the American nation in the Revolutionary War Era, Creation of the National Government, Growth of the New Country, and the Civil War Era. The course prepares students to grasp fundamental questions concerning the history of the United States from the proper role of government in a representative democracy to the role of social movements in shaping the character of the American experience. At the conclusion of the course students will have a ready command of the details of American history, allowing them both the historical perspective to comment on particulars as well as inform their thinking regarding current issues. Throughout the course students will examine the intersection of economic, political, and ideological concerns at different points in the United State’s early history.

**HONORS U.S. HISTORY I (For 10th grade students)**
Course #151 Year 1.00 credit 1.2 GPA Weight

This course will go more in depth and is more detailed than the regular U.S. History I course. Students will be expected to enter their class having exceptional reading, writing, thinking, speaking, and researching skills. U.S. History is a year-long course analyzing the origins of the American nation in the Colonial Period, Revolutionary War Era, Creation of the National Government, Growth of the New Country, and the Civil War Era. The course prepares students to grasp fundamental questions concerning the history of the United States from the proper role of government in a representative democracy to the role of social movements in shaping the character of the American experience. Students engage in weekly higher-level outside readings and books in addition to traditional textbook study. Assessments are largely essay and include research-based projects. Content and assignments in this class extend into the AP US History class the following year. At the conclusion of the course students will have a mastery of the details of American history, allowing them both the historical perspective to comment on particulars as well as inform their thinking regarding current issues. Throughout the course students will examine the intersection of literary, social, religions, cultural, economic, political, and ideological concerns at different points in the United States’ early history.
ADVANCED PLACEMENT U.S. HISTORY I (10th grade)
Course #144 Year 1.00 credit 1.4 GPA Weight

Note: Class size is limited.
This rigorous, fast-paced college-level course is a year-long class that will cover the American experience from the Colonial Period through the Contemporary Age. To be successful in the class, students should have completed the Honors World History course with a minimum of a B+ average or with strong teacher recommendation. Students will be expected to enter the class having exceptional reading, writing, thinking, speaking, and researching skills. Students engage in daily higher-level outside supplemental materials and books in addition to traditional challenging textbook study. Assessments are largely essay and include research-based projects. At the conclusion of the course, students will have a mastery of the details of American history, allowing them the historical perspective to complete the A.P. U.S. History exam. Throughout the course, students will examine the intersection of literary, social, religious, cultural, economic, political, and ideological concerns at different points in the United States' history.

CP U.S. HISTORY II (11th grade)
Course # 215 Year 1.00 credit
This required class is a survey of American History from the Progressive Era 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 by society as a whole. There is also attention given to contemporary history, especially the 20th century.

HONORS US HISTORY II (11th grade)
Course #152 Year 1.00 credit 1.2 GPA Weight

Note: Class size is limited.
Honors US History is a high school course taught with college-level expectations. Students will be expected to enter this class having better than average reading, writing, thinking, speaking and researching skills. The course will consist of a thematic study of the period 1877 to the present. Topics will include the 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. All students will be expected to participate (at least) at the local level, in the annual National History Day program. 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 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.

ADVANCED PLACEMENT U.S. HISTORY II (11th grade)
Course #146 Year 1.00 credit 1.4 GPA Weight

Prerequisite: Minimum grade of B attained in Advanced Placement
Note: Class size is limited.
AP US History is a college-level course that meets the high school History requirement. Students will be expected to enter this class having exceptional reading, writing, thinking, speaking and researching skills. The course will consist of a thematic study of the period 1877 to the present. Topics will include the 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. All students will be expected to participate (at least) at the local level, in the annual National History Day program. 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 demonstrate better than average competency in writing. Finally, this course will incorporate American literature.
ADVANCED PLACEMENT AMERICAN GOVERNMENT AND ECONOMICS (12th grade)
Course #153 Year 1.00 credit 1.4 GPA weight
Prerequisite: Minimum grade of A in US History I and US History II
Note: Class size is limited.
AP American Government is a college-level course that meets the high school Government requirement. Students will be expected to enter this class having exceptional reading, writing, thinking, and researching skills. American Government explores the history, function, and structure of both our state and federal governments. All students will be expected to conduct extensive research in preparation of individual as well as group presentations and class projects. All students will be expected to demonstrate better than average competency in writing. Students will be expected to demonstrate proficiency and skill in using technology. Finally, students will be required to create an investigative blog that sole function is to investigate legislation and find a possibility to change it for the better.

HONORS AMERICAN GOVERNMENT AND ECONOMICS (12th grade)
Course #148 Year 1.00 credit 1.2 GPA weight
This course is designed to provide the student the required-to-graduate credit in government and economics and to provide the opportunity to earn three college credits in American Government through our partner college. American Government explores the history, function, and structure of both our state and federal governments at the freshman college level. Economics provides the student with a survey exploration of economic theories, as well as practical applications using freshman college level materials. Important note: College credit may only be earned for American Government material. This course requires a serious commitment in terms of attendance and study. Because it is a college class and a high school graduation requirement, it will affect the high school cumulative GPA. College-bound students who prefer to take a high school level class for this requirement should schedule College Prep American Government and Economics as noted below.

CP AMERICAN GOVERNMENT AND ECONOMICS (12th grade)
Course #217 Year 1.00 credit
This course is designed to provide the student the required-to-graduate credit in government and economics. American Government explores the history, function, and structure of both our state and federal governments. Emphasis is placed on democracy. Economics provides the student with a survey exploration of economic theories as well as practical applications. Emphasis is placed on capitalism.

PSYCHOLOGY (Elective - 11th or 12th)
Course #235 Semester .50 credit
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.

PRINCIPLES OF SOCIOLOGY (Elective – 11th or 12th Grade)
Course #232 Semester .50 credit
Note: Class size is limited.
This survey course encourages students to explore topics studied by sociologists. Topics include the structures and processes of human interaction, social institutions, functions of culture, change, and research methods.

PHCC COLLEGE INTRO TO PHILOSOPHY (Elective – 11th or 12th Grade)
Course #231 Semester 1.00 credit 1.4 GPA weight 3.00 college credits
Note: Class size is limited, with priority given to seniors, followed by juniors.
Intro to Philosophy introduces students to traditional philosophical problems. Students will examine classical and contemporary texts on the nature of reality, truth, morality, goodness, justice, and the possibility of faith, reason, and the existence of God. Concentrated units include how to develop arguments and logic, epistemology, the mind-body problem, metaethics and normative ethics, and philosophy of religion. Course methods include regular assigned readings, lectures, class discussions and debates, presentations, guest speakers, and independent research. Evaluations will be based upon a
combination of compositions, exams, homework, group work, quizzes, a project, and an ethics paper. Consistent and quality oral discussion constitutes a significant percentage of the grade.

**VOCATIONAL EDUCATION**

**AGRICULTURE EDUCATION**

Agriculture vocational education at Huntingdon Area High School provides a wide array of subject matter. In addition to the standard book work associated with most classes, the agri-science education gives the student the practical, hands-on experience vital to all in-depth understanding and knowledge of subject matter. Students are encouraged to get their hands dirty in the greenhouse, explore what makes an animal function and develop lifelong skills in the agriculture mechanics lab. Enrollment is open to all students and class rosters are determined by class size limitations.

**AGRICULTURAL ENGINEERING - ELECTRICAL, PLUMBING, & MASONRY (9th – 12th Grade)**

Course #717  
Semester  
.50 credit  
This course is designed to give students a wide range of vocational experiences essential for operating a wide variety of agricultural businesses. Time is split between learning the basic skill in the three topics of the course’s title. Learning will be centered on the safe use of shop and laboratory safety equipment through hands-on shop / lab experiences.

**AGRICULTURAL/TECHNOLOGY ENGINEERING - METALWORKING & ENGINE SYSTEMS (9th – 12th)**

Course #718  
Semester  
.50 credit  
Students in this course will learn the basics of metallurgy and working with metal, including arc, MIG and torch welding as well as brazing and the safe and proper use of an oxy-acetylene torch. The other major component of the course involves learning the fundamentals of 4 stroke engine repair through the complete disassembly and rebuilding of a 3.5 hp 4-stroke gasoline engine. Students will also learn the basics of interpreting mechanical drawings that deal with metal working and welding.

**AGRICULTURAL/TECHNOLOGY ENGINEERING – CADD/CARPENTRY/WOODWORKING (9th – 12th)**

Course #765  
Year  
1.00 credit  
Students learn basic technical drawing reading skills. Students will utilize CADD/Drafting Skills to perform basic carpentry and woodworking projects. With CADD/Drafting, students will use basic mathematics for layouts and design. This course touches on carpentry fundamentals in construction as well as finish carpentry through hands-on, project based instruction centered on the safe and proper use of hand and power tools. In working with a variety of soft and native hardwoods, students in this course will construct several small projects.

**AGRICULTURAL/TECHNOLOGY ENGINEERING – INDIVIDUAL PROJECT (10th – 12th Grade)**

Course #719  
Semester  
.50 credit  
Prerequisite: Carpentry and/or Metalworking with instructor approval  
As an extension of the CADD, Carpentry or the Metalworking course, students wishing to further refine their skills in these areas should consider this course. Almost entirely project based as the student will plan, design, and build a project of his or her choosing (in class) while consulting closely with the instructor. A student in this course must have demonstrated safe work habits, self-discipline, and an ability to work independently in Carpentry and/or Metalworking. This course allows the student to design and construct a project.

**THE SCIENCE OF SOILS (11th and 12th Grade)**

Course #720  
Semester  
.50 credit  
Prerequisites – Must have passed or concurrently be enrolled in Chemistry  
This course in soil science introduces the student to the study, management, and conservation of soils as natural bodies, as media for plant growth, and as components of the larger ecosystem. Topics covered include the physical, chemical, and biological properties; soil water; classification and mapping; soil conservation; management practices; and soil fertility and productivity (soil testing, use of fertilizers and manures, and liming). It also introduces the relationships of soil to current concerns such as environmental quality and non-agricultural land use. Learning will include hands-on lab activities and field trips.
PLANT SCIENCE / GREENHOUSE MGT. (10th – 12th Grade)
Course #766  Year  1.00 credit
Prerequisites: Must have passed or concurrently be enrolled in Biology
Students will study the common agricultural crops grown in Huntingdon County, including hay, corn, and small grains. Integrated pest management, sustainable agriculture, weed science, and basic soil science will be included in this course. At the same time, advanced lab and research techniques will be incorporated as students investigate biotechnology and plant pathology through grain, fruit and vegetable production systems, including hands-on experiences in the school garden and greenhouse. Students will also have the opportunity to become certified with a PA Pesticide Application License. Hands-on labs and field trips will be incorporated into this course.

LARGE ANIMAL SCIENCE (10th – 12th Grade)
Course #723  Semester .50 credit
Prerequisites – Must have passed or concurrently be enrolled in Biology
Large Animal Science takes a biological as well as practical approach in studying the care and body systems of the traditional large farm animals such as Swine, Equine, and Bovine species, among others. Hands-on labs and field trips will be incorporated into this course.

SMALL ANIMAL CARE (9 – 12th Grade)
Course #715  Semester .50 credit
In the Small Animal Care Course, students learn about animal care and handling, nutrition, first aid, disease prevention and pharmacology. Live animal hands-on learning and field trips are incorporated into this course.

WILDLIFE & NATURAL RESOURCES (9th – 12th Grade)
Course #716  Semester .50 credit
Students will explore and study their natural environment and its relationship with humans. Topics that will be emphasized will include forestry management, tree identification, the study of aquatic, wildlife, and game species and their habitats. Hands-on lab activities and field trips will be incorporated into this course.

SAE / LEADERSHIP DEVELOPMENT (10th – 12th Grade)
Course #753  Year  1.00 credit
Prerequisites – none
The purpose of this course is to provide students with opportunities to develop the knowledge, skills, and abilities to realize their fullest potential to be premier leaders, grow personally, and ultimately be successful in their chosen career. Students in the course will be responsible for successfully organizing and conducting FFA, school, and community-based activities. Public speaking, teamwork, communication. Beginning and maintaining an SAE within the online Agricultural Experience Tracker (AET) is also a major component of this course. Students with an interest in agriculture desiring to develop their leadership skills are encouraged to take this course.

SAE / INDEPENDENT STUDY (9th – 12th Grade)
Course #754  Year  1.00 credit
Prerequisites – none
This course does not meet during the regular school day, but credits outside-of-class experiences incorporated into the agricultural science or engineering course the student is currently taking. The student who elects to take this class is responsible for scheduling several meetings with the instructor throughout the year in order communicate and track progress. An SAE or a Supervised Agricultural Experience is a student-managed project where FFA members own and operate an agricultural business, get a job or internship, plan and conduct scientific experiments or explore careers within the agricultural industry. The agricultural science and engineering instructors supervise these outside of class projects as students maintain accurate records within the online Agricultural Experience Tracker (AET) record keeping system. Experiences are based off of the knowledge and skills taught in the agricultural science and mechanics courses and customized to the student’s selected career objective.
### BUSINESS EDUCATION

#### PERSONAL FINANCE (11th or 12th)
**Course #632**  
**Semester** .50 credit  
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. This class is recommended for all students as a good life-learning course.

#### MEDICAL 1 (10th through 12th)
**Course #627**  
**Year** 1.00 credit  
Medical 1 is designed to provide those students who are interested in a health-care related field the opportunity to experience many 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** .50 credit  
**Prerequisite:** Medical I  
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. Further knowledge of medical terms and more detailed body system study will be emphasized.

#### LEADERSHIP (11th or 12th)
**Course #629**  
**Semester** .50 credit  
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.

#### BUSINESS LAW
**Course #658**  
**Semester** .50 credit  
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.

#### ADVERTISING
**Course #624**  
**Semester** .50 credit  
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!

#### ACCOUNTING I
**Course #631**  
**Year** 1.00 credit  
In our complex economics society, we are constantly confronted with economic decisions. Each of these decisions can be arrived at soundly only when accounting makes financial facts available to the decision maker. As an accounting student, you will be involved with the procedures of compiling financial data and preparing financial reports for sole proprietorships and partnerships. The study of accounting will help prepare the student for employment in business.
MANAGEMENT
Course #626  Semester .50 credit
The goal of this course is to allow students the opportunity to experience and perform the same types of tasks that are completed by managers each day. Students will study the following 5 units: Personality Types and how they relate to management; Types of Business Ownership; Managerial Structure and Styles; Hiring & Training; Assertiveness Techniques and Interpersonal Strategies for use in management; Business Plans. Learning opportunities will mainly include class discussions, individual projects, and group work. Throughout the semester, students continually add to their work on the main production piece of a modified business plan.

MARKETING (10th through 12th)
Course #625  Semester .50 credit
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.

VISUAL ARTS & GRAPHIC DESIGN
Course #657  Year 1.00 credit
NOTE: THIS CLASS FULFILLS BOTH THE ART AND THE TECHNOLOGY CREDITS REQUIRED FOR GRADUATION
This class is a great fit for students who have an interest in, or want to explore the area of graphic design. It focuses on real-life application infusing design elements and technology methods. Students will design logos, create websites, and develop a visual product portfolio. There is a balance of independent and group work, as well as use of both traditional and digital materials.

WEB 2.0
Course #661  Semester .50 credit
There are hundreds of Web 2.0 tools and application available to enhance student learning & presentation skills. In this class, we will explore ten or more different tools. Students will learn to use the tools then give presentations to the class using these skills.

WEB DESIGN
Course #662  Semester .50 credit
Students will use available software to create web sites which are creative and interactive. We will use a variety of web-based programs with appropriate subject matter of interest to students.

ENHANCED MICROSOFT
Course #663  Semester .50 credit
In the middle school, the basics of Microsoft applications were taught to all students. Enhanced Microsoft takes students to the next step in developing their technology skills. Students will be learning additional features of Microsoft Word, PowerPoint, Excel, & Publisher. Students who are already advanced in their Microsoft skills should select a more challenging technology course than Enhanced Microsoft.

FAMILY AND CONSUMER SCIENCES

FAMILY AND CONSUMER SCIENCES (9th thru 12th)
Course #110  Semester .50 credit
An exploratory course includes studies in life management, career exploration, foods and nutrition, consumer economics, life and family management and cooking lab experiences.

INDIVIDUAL AND FAMILY STUDIES
Course #724  Semester .50 credit
Child Development through the life cycle from birth to adolescence as well as family life management, parenting and caring for the elderly. 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. A supervised experience observing children may supplement class work. 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
Course #726  Semester  .50 credit
Prerequisite: Individual and Family Studies
Advanced Individual and Family Studies is practicum experience for students who have completed Independent and Family Studies 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.

FOOD AND NUTRITION I (9th – 12th)
Course #727  Semester  .50 credit
This course focuses on basic concepts of food preparation, use and care of equipment and appliances, food buying, and nutrition. Students will learn to understand and apply the principles of food and nutrition and their relationship to health and well-being. Students participate in a classroom lab in which they will gain practical experience in planning and preparing convenient and nutritious meals for today’s busy lifestyles. Students prepare and evaluate food choices in relation to culture, health, weight and physical fitness of personal needs and/or future occupational objectives.

FOOD AND NUTRITION II (10th & 12th)
Course #728  Semester  .50 credit
Prerequisite: Food and Nutrition I
Students will increase their ability to apply principles of nutrition, meal planning and diet planning to meet specific health and lifestyle needs. Students will increase their culinary skills through advanced recipes and preparation techniques. They develop laboratory writing and reasoning skills, which incorporates scientific concepts and methods applicable to foods and nutrition. The students compare the skills learned in class work with those required for various food service and dietetic occupations and develop various career path plans.

INDUSTRIAL ARTS
DRAFTING I (9th through 12th)
Course #752  Year  1.00 credit
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  .50 credit
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  .50 credit
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.
ENGINEERING TECHNOLOGIES/TECHS Year (3 hours/day) 3.00 credits
(10th through 12th grades)
Course #751
Prerequisites: Currently in or completed Algebra 2 AND a cumulative high school GPA of at least 3.0.
NOTE: This is a unique class combining the instruction of a traditional career and technology class, as are taught at the HCCTC, AND a specialized high school class. Students who plan to attend a post-secondary institution studying engineering or similar majors are encouraged to take this course. Please note the prerequisites listed above.
Engineering Technologies use the principles and theories of science, engineering, technology, and mathematics to solve technical problems in manufacturing, sales, construction, inspection, maintenance, and research and development. This course prepares students to apply knowledge and skills in the engineering field. Subjects included are, but not limited to, safety, ethics, power, problem solving, teamwork, engineering graphics, automated systems, fundamental electronics, and manufacturing systems. Some of the equipment used in this course will be structural stress tester for materials testing, 3-D printer, robotic arm, CNC mill, and robotic kits. Students will learn to use the latest version of the following software: RobotC, CNC Motion, Autodesk Invenetor, Multisim, and others.

HUNTINGDON COUNTY CAREER AND TECHNOLOGY CENTER (HCCTC)

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 3.00 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 3.00 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 3.00 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 3.00 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.

HVAC/R **
Course #779 Year 3.00 credits
HVAC 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 **
Course #781 Year 3.00 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 3.00 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 **
Course #785 Year 3.00 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.

PRECISION MACHINING **
Course #787 Year 3.00 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.

HEALTH OCCUPATIONS **
Course #791 Year 3.00 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 NETWORKING**  
**Course #797**  
This is an instructional program that focuses on the design, implementation and management of linked systems of computers, peripherals and associated software and prepares individuals with the technical skills required to support networks and network users. This program includes instruction in networks technologies and standards: system design, architecture, operating systems, security, communications protocols, client support, messaging services, network management, trouble shooting and server optimization. Those completing the program may be employed as a network administrator, network specialist, network technician, webmaster, client services analyst (end user) or network operator.

**BUILDING MAINTENANCE**  
**Course #799**  
This is an instructional program that prepares individuals to apply technical knowledge and skills in the maintenance and repair of residential, office, apartment buildings and other commercial buildings. Instruction includes the basics of carpentry, millwork, plumbing, painting, glazing, electricity, plastering, welding, minor sheet metal, concreting, bricklaying, tile setting, hardware usage, heating, ventilation, waterproofing, roofing and record keeping.

**WELDING**  
**Course #801**  
This is a program that prepares individuals to apply technical knowledge and skills in gas, arc, shielded and nonshielded metal arc, brazing, flame cutting and plastic welding. Hand, semiautomatic and automatic welding processes are also included in the instruction. Students learn safety practices and types and uses of electrodes and welding rods; properties of metals; blueprint reading; electrical principles; welding symbols and mechanical drawing; use of equipment for testing welds by ultrasonic methods and destruction and hardness testing; use of manuals and specification charts; use of portable grinders and chemical baths for surface cleaning; positioning and clamping; and welding standards established by the American Welding Society, American Society of Mechanical Engineers and American Bureau of Ships.

**PROTECTIVE SERVICES**  
**Course #805**  
This is an instructional program that prepares individuals to apply technical knowledge and skills required to perform entry level duties as a police officer, fire fighter, paramedic and other safety services. This program stresses the techniques, methods and procedures peculiar to the areas of criminal justice and fire protection especially in emergency and disaster situations. Physical development and self-confidence skills are emphasized due to the nature of the specific occupations. In addition to the application of mathematics, communication, science and physics, students receive training in social and psychological skills, map reading, vehicle and equipment operations, the judicial system, pre-hospital emergency medical care and appropriate emergency assessment, treatment and communication.

**ENGINEERING TECHNOLOGIES/TECHS**  
**Course #751**  
Prerequisites: Currently in or completed Algebra 2 AND a cumulative high school GPA of at least 3.0.  
NOTE: This is a unique class combining the instruction of a traditional career and technology class, as are taught at the HCCTC, AND a specialized high school class. Students who plan to attend a post-secondary institution studying engineering or similar majors are encouraged to take this course. Please note the prerequisites listed above.  
Engineering Technologies use the principles and theories of science, engineering, technology, and mathematics to solve technical problems in manufacturing, sales, construction, inspection, maintenance, and research and development. This course prepares students to apply knowledge and skills in the engineering field. Subjects included are, but not limited to, safety, ethics, power, problem solving, teamwork, engineering graphics, automated systems, fundamental electronics, and manufacturing systems. Some of the equipment used in this course will be structural stress tester for materials testing, 3-D printer, robotic arm, CNC mill, and robotic kits. Students will learn to use the latest version of the following software: RobotC, CNC Motion, Autodesk Inventor, Multisim, and others.

** College credits may be earned by taking this course.**
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*Math Series Sequence: CP Algebra I; CP Algebra 2 or Algebra 2; CP Geometry or Geometry; CP Functions and Trigonometry OR Functions & Trigonometry; Pre-Calculus and Discrete Mathematics; AP Calculus
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<tr>
<td>Honors Biology</td>
<td>Honors Chemistry OR</td>
<td>AP Environmental Science &amp; Ecology OR</td>
<td></td>
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<tr>
<td>PE/Health</td>
<td>PE/Health</td>
<td>CP Physics OR AP Physics OR</td>
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<tr>
<td>Family &amp; Cons. Science Elective</td>
<td>HCCTC Class</td>
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<tr>
<td>Music Elective</td>
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<tr>
<td>Art Elective</td>
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<tr>
<td>Technology/Business Elective</td>
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<td>(in 9th, 10th, 11th or 12th grade)</td>
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</tbody>
</table>

*Math Series Sequence:*
CP Algebra I; CP Algebra 2 or Algebra 2; CP Geometry or Geometry; CP Functions and Trigonometry OR Functions & Trigonometry; Pre-Calculus and Discrete Mathematics; AP Calculus
COURSE SELECTION SHEET

REMEMBER TO SCHEDULE AT LEAST 6.0 CREDITS. DO NOT SCHEDULE MORE THAN 7.0 CREDITS.

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

<table>
<thead>
<tr>
<th>Core Courses/Course Name</th>
<th>Course #</th>
<th># of Credits</th>
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</thead>
<tbody>
<tr>
<td>English:</td>
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<tr>
<td>Social Studies:</td>
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<td>Math:</td>
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<td>Science:</td>
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<tr>
<td>PE/Health</td>
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<tr>
<td>Other Required Courses or Electives/Course Name</td>
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</tbody>
</table>

**List two additional electives (course name only) in case your first choice(s) aren’t available:__________________________

Math Course Recommended by CURRENT math teacher: ______________________
CURRENT MATH TEACHER’S SIGNATURE:  ______________________________________

Total Number of Credits Scheduled: ______________________ (See Pages 5 or 11 of this packet for CREDIT KEY AND look at specific course descriptions of the classes you are scheduling).

Additional copies of this sheet AND the entire packet 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 Homeroom teacher by March 2nd.

Student Name: ____________________  Homeroom:________________

Student I.D. # ____________________  Current Grade: _______

Student Signature ____________________  Date:____________

Parent/Guardian Signature ____________________  Date:____________
COURSE OFFERINGS BY DEPARTMENT/SUBJECT
(2015-16 SCHEDULING PACKET WITH DETAILED COURSE DESCRIPTIONS FOUND AT WWW.HUNTDSD.ORG.)

ART DEPARTMENT (Page 11)
INTRO TO ART
CERAMICS I
VISUAL ARTS & GRAPHIC DESIGN
2D DESIGN
3D DESIGN
ADVANCED CERAMICS
ADVANCED ART

MUSIC DEPARTMENT (Page 12)
MUSIC APPRECIATION
MUSIC THEORY I and MUSIC THEORY II
VOICE CLASS I and VOICE CLASS II
GUITAR I and GUITAR II
CHAMBER SINGERS
CHORALAIRS
CONCERT BAND
HANDBELL CHOIR
PIANO I and PIANO II

PHYSICAL EDUCATION/HEALTH (Page 14)
PHYSICAL EDUCATION/HEALTH CLASS (REQUIRED)
STRENGTH AND CONDITIONING (ELECTIVE)

LANGUAGE ARTS (Page 15)
COMPREHENSIVE/COLLEGE PREP ENGLISH 9, 10, 11 & 12
HONORS ENGLISH 9, 10, 11 & 12
ADVANCED PLACEMENT ENGLISH 12
SAT PREP COURSE – MATHEMATICS AND READING
FEMININE LITERATURE
BOOKS FOR LIFE
DRAMATIC LITERATURE
MODERN THEMES IN CLASSIC FILMS
GREEK AND ROMAN MYTHOLOGY
GOTHIC NOVEL

SOCIAL STUDIES (CONTINUED)
HONORS US HISTORY II
ADVANCED PLACEMENT US HISTORY II
CP AMERICAN GOVERNMENT AND ECONOMICS
HONORS AMERICAN GOVERNMENT AND ECONOMICS
ADVANCED PLACEMENT AMER GOVT/ECON

AGRICULTURE EDUCATION (Page 26)
AG ENGINEERING – ELECTRICAL, PLUMBING & MASONRY
AG/TECH ENGINEERING – METALWORKING AND ENGINE SYSTEMS
AG/TECH ENGINEERING – CADD/CARPENTRY/WOODWORKING
AG/TECH ENGINEERING – INDIVIDUAL PROJECT
THE SCIENCE OF SOILS
PLANT SCIENCE/GREENHOUSE MGT
LARGE ANIMAL SCIENCE
SMALL ANIMAL CARE
WILDLIFE & NATURAL RESOURCES
SAE/LEADERSHIP DEVELOPMENT
SAE/INDEPENDENT STUDY

BUSINESS (Page 28)
PERSONAL FINANCE
MEDICAL 1
MEDICAL 2
LEADERSHIP
BUSINESS LAW
ADVERTISING

FAMILY AND CONSUMER SCIENCES (Page 29)
FAMILY AND CONSUMER SCIENCES
INDIVIDUAL AND FAMILY STUDIES
ADVANCED INDIVIDUAL AND FAMILY STUDIES
FOOD AND NUTRITION I
FOOD AND NUTRITION II

INDUSTRIAL ARTS (Page 30)
DRAFTING
DRAFTING/CAD
ENGINEERING I
ENGINEERING TECHNOLOGIES/TECHNICIANS

HUNTINGDON COUNTY CAREER AND TECHNOLOGY CENTER (Page 31)
AUTOMOTIVE MECHANICS
COLLISION REPAIR AND REFINISHING
COSMETOLOGY
CULINARY ARTS
HVAC/R
CARPENTRY
ELECTRICAL OCCUPATIONS
PLUMBING
PRECISION MACHINING
HEALTH OCCUPATIONS
COMPUTER NETWORKING
BUILDING MAINTENANCE
WELDING
PROTECTIVE SERVICES
ENGINEERING TECHNOLOGIES/TECHNICIANS