

COATESVILLE AREA HIGH SCHOOL CAMPUS

COURSE SELECTION GUIDE



2012 - 2013

INTRODUCTION

This course guide serves as a reference to courses available for selection by students, grades 9-12, in the Coatesville Area School District. It is a resource of information pertinent to each course and to individual interests, desires, or needs. The selection of a program of studies is a serious responsibility. What a student chooses to study will greatly influence his or her future. The course selection guide is designed to help students and parents - together with guidance counselors, teachers, and administration - develop the best possible program for each student while attending the Coatesville Area High School Campus. In selecting courses of study, careful thought should be given to student ability, past academic achievement, willingness to work, and future educational and vocational goals. The involvement of parents, as well as members of our staff, is equally important. Students and parents are urged to consult with teachers, counselors, and administrators.

Each student is assigned a guidance counselor alphabetically according to last name as shown below:

COATESVILLE AREA HIGH SCHOOL

9-10 CENTER : 610-383-3735

Chamise S. Taylor, Principal

Ms. Tina Wenrich	A – E	61531
Mrs. Francine Norman	F – Le	61534
Mrs. Kelly Duffy	Li – Roc	61532
Mr. Stephen Shirk	Rod – Z	61687

COATESVILLE AREA HIGH SCHOOL

11-12 BUILDING : 610-383-3730

Robert J. Fisher, Principal

Mrs. Sonia DiPierro	A – Di	81533
Ms. Kim Kiszely	Do – I	81534
Mr. Donald Davis	J – M	81532
Miss Rebecca Layfield	N – Sh	81535
Miss Wendy Lewis	Si – Z	81536

Your future depends upon the choices that you make initially and upon those made periodically as you progress from one grade to another. We encourage you to familiarize yourself with this course selection guide. **Study the curriculum guide carefully - course selections are binding for the entire school year. Please read the section entitled: Class Enrollment and Schedule Changes (page 7) for further information.**

If you have any questions pertaining to the scheduling process, availability of courses, requirements for promotion and/or graduation, etc., please contact your guidance counselor.

GENERAL INFORMATION

The Coatesville Area High School Campus operates on a “traditional” scheduling system comprised of four marking periods each year. Each marking period has a seven-period day on a six-day cycle of instruction. This schedule provides students the opportunity to schedule a maximum of 7 credits and 42 periods per cycle. (Students enrolled at the Center for Arts and Technology may schedule more credits at times.) In making course selections for the next year, students are beginning to make plans that will affect their future. The following regulations and recommendations will help you in the selection of these courses.

GRADUATION REQUIREMENTS

The Board of School Directors of the Coatesville Area School District has adopted the following graduation policies that meet the graduation requirements established by the Commonwealth of Pennsylvania.

CREDITS FOR GRADUATION

(All credits shown below must be earned in grades 9 through 12)

English	4 courses ** (see page 3)
*Social Studies	4 courses ** (see page 2)
*Mathematics	4 courses ** (see page 2)
*Science	4 courses ** (see page 3)
Wellness and Fitness	2.0 credits ** (see page 3) (Wellness & Fitness 9, 10, 11, 12)
*Computer Technology	1.0 credit ** (see page 3)
*Arts or Humanities Electives	3.0 credits (see page 3) (at least 1 Family & Consumer Science course)
*General Electives	2.0 credits (see page 3) (at least 1 elective Wellness & Fitness course)
Graduation Project	0.0 credit ** (see page 4)

Total Needed
to Graduate 24.0 credits

* See page 4 - Students Enrolled in the Technical College High School (TCHS)

* See page 12 - ESL Students

** All students must take courses denoted as such.

These courses, as well as other courses needed to fulfill graduation requirements, are listed on pages 2 – 3.

English requirements for graduation (at least 4.0 credits):

NOTE: Student placement in English courses will be based upon previous standardized test scores!

**English 9 (1.0 credit)

**English 10 (1.0 credit)

**English 11 (1.0 credit)

**English 12 (1.0 credit)

Social Studies requirements for graduation (at least 4.0 credits):

**Early American History (1.0 credit)

**European History (1.0 credit)

**Modern American History (1.0 credit)
or AP U.S. History (1.0 credit)

**American Government (1.0 credit) or an AP Social Studies course shown below:

AP Psychology (1.0 credit)

AP U.S. Government & Politics (1.0 credit)

AP Human Geography (1.0 credit)

Mathematics requirements for graduation (at least 4.0 credits):

NOTE: Student placement in Mathematics courses will be based upon previous standardized test scores !

**Algebra I (1.0 credit)

**Geometry (1.0 credit)

**Algebra II (1.0 credit)

Mathematics Electives (at least 1.0 credit chosen from list below)

Pre-Calculus (1.0 credit)

Honors Calculus (1.0 credit)

Probability & Statistics (1.0 credit)

AP Calculus AB (1.0 credit)

Math Topics (1.0 credit)

AP Calculus BC (1.0 credit)

Math for Life (1.0 credit)

AP Statistics (1.0 credit)

Algebra III & Trigonometry (1.0 credit)

Science requirements for graduation (at least 4.0 credits):

**Earth Science (1.0 credit)

**Biology (1.0 credit)

Science Electives (at least 2.0 credits chosen from the list below)

Chemistry (1.0 credit)

Honors Biology II (1.0 credit)

Physics (1.0 credit)

Physical Science (1.0 credit)

Earth Science II (1.0 credit)

Oceanography I (0.5 credit)

Oceanography II (0.5 credit)

Meteorology (0.5 credit)

AP Biology (1.5 credits)

AP Chemistry (1.5 credits)

Honors Allied Health (CAT-B) (2.0 credits)

AP Physics (1.5 credits)

Forensic Science (1.0 Credit)

Wellness and Fitness requirements for graduation (2.0 credits):

**Wellness & Fitness 9 (0.5 credit)

**Wellness & Fitness 10 (0.5 credit)

**Wellness & Fitness 11 (0.5 credit)

**Wellness & Fitness 12 (0.5 credit)

Wellness and Fitness Electives (at least 1 course chosen from the list below)

Life Guarding (0.5 credit)

Advanced Strength Training (0.5 credit)

Strength Training (0.5 credit)

Sports Medicine (0.5 credit)

Aerobics (0.5 credit)

Advanced Sports Medicine (0.5 credit)

Family and Consumer Science Elective (at least 1 course):

Foods and Finance (0.5 credit)

Textile Arts (0.5 credit)

Sports Nutrition (0.5 credit)

Housing Design (0.5 credit)

Child Development (1.0 credit)

Foods and Finance II (0.5 credit)

Advanced Child Development (1.0 credit)

Basic Fashion Construction (1.0 credit)

Computer Technology requirements for graduation (at least 1.0 credit):

** Computer Applications (0.5 Credit)

Computer Technology Elective (at least one course chosen from the list below):

Expressions (0.5 credit)

Powerpoint/Desktop Publishing (0.5 credit)

Flash (0.5 credit)

Microsoft Word and Excel (0.5 credit)

HTML Web Page Design (1.0 credit)

Computer-Aided Drafting I (1.0 credit)

Introduction to Computer and Video Game

Programming (0.5 credit)

Object Oriented Programming (0.5)

Graduation Project (0.0 Credit):

Arts or Humanities Electives

Arts or Humanities electives may be chosen from the following categories in order to meet graduation requirements:

Arts

Art Department Courses

Business Department Courses

Music Department Courses

Technology Education Courses

Humanities

Math Courses (elective)

Social Studies Courses (elective)

English Courses (elective)

Science Courses (elective)

World Language Courses

General Electives - may be chosen from any department on campus.

Graduation Project

In accordance with Pennsylvania Department of Education regulations, to be eligible for graduation from the Coatesville Area Senior High School, a student shall complete an academic or community service-oriented project in one or more areas of concentrated study under the guidance and direction of the campus faculty or staff. This project will allow students to showcase their talents while providing for a variety of learning abilities and interests. The purpose of the project is to demonstrate independent learning, and to evidence a long-term educational goal. Through writing and speaking, students will demonstrate integrated skills that assure that they are able to apply, analyze, synthesize, evaluate information and communicate significant knowledge and understanding about their chosen topics. **All graduation projects must be completed by the end of the second marking period of the senior year.**

Students Enrolled in the Technical College High School (formerly the Center for Arts and Technology-CAT-B)

Students who are enrolled at the Technical College High School (TCHS) will be given flexibility in earning credits to fulfill graduation requirements. (*Indicates flexibility in earning credits – see page 2.) **HOWEVER, ALL TCHS STUDENTS MUST SCHEDULE AND PASS AS MANY GRADUATION-REQUIRED COURSES AS THEIR SCHEDULE WILL PERMIT!**

Students who enroll in the Technical College High School and who do not complete their assignment at TCHS, will be required to satisfy all graduation requirements for their graduating class as specified by the Coatesville Area School District. ***The return to full-time status as a student on campus eliminates any scheduling flexibility previously mentioned.**

REQUIREMENTS FOR PROMOTION

Credits needed to be promoted from Grade 9 to Grade 10	5.5 Credits
Credits needed to be promoted from Grade 10 to Grade 11	11.0 Credits
Credits needed to be promoted from Grade 11 to Grade 12	Student must be able to schedule enough credits <u>and</u> meet graduation requirements in order to be placed in a Senior homeroom.

RECOMMENDED COURSE SEQUENCING

Students should choose electives in which they are interested to help meet graduation requirements and their specific needs. Please pay careful attention to the credit values when choosing elective courses.

College Bound Students

Students who are preparing to enter a college, university, school of nursing, business college, junior college or community college should take a rigorous academic curriculum - this is strongly recommended regardless of the anticipated major.

It is also strongly recommended that all college bound students have a full schedule each year of high school and that they pass at least two years of the same World Language. Recommended courses for college bound students are listed on page 5.

NOTE: Any student planning to schedule any AP courses should see their guidance counselor and/or the AP coordinator for assistance in scheduling the correct sequence of courses!

Grade 9

*English 9	1.0
*Early American History	1.0
*Alg. I/Geom./Alg. II	1.0
*Earth Science	1.0
*Wellness & Fitness	0.5
*Computer Applications	0.5
* Fam. & Cons. Sci. Elective	0.5
**World Language I	1.0
***Graduation Project	0.0

Grade 10

*English 10	1.0
*European History	1.0
*Geom./Alg. II/Pre-Calc.	1.0
*Biology	1.0
World Language II	1.0
*Wellness & Fitness	0.5
*Wellness & Fitness Elective	0.5

Grade 11

*English 11	1.0
*Modern Am. History	1.0
*Mathematics Elective	1.0
*Science Elective	1.0
(Chemistry is suggested!)	
World Language III	1.0
*Wellness & Fitness	0.5

Grade 12

*English 12	1.0
*American Government	1.0
*Mathematics Elective	1.0
*Science Elective	1.0
(Physics is suggested!)	
World Language IV	1.0
*Wellness and Fitness	0.5

- * These courses are requirements for graduation.
- ** World Language courses can begin in any grade.
Although not required for high school graduation, many colleges require at least 2 years of a world language for acceptance.
- *** The Graduation Project should be started as soon as possible and must be completed by the end of the second marking period of the senior year.

COURSE LEVEL DESCRIPTIONS

Leveling is the classification of courses according to the difficulty and complexity of skills, materials, and requirements of the course. Students' current classroom teachers will level them. Below are the guidelines used in the leveling process. **NOTE : All students will be leveled for English and Math courses based upon their performance on previous standardized tests in those two academic areas!**

Advanced Placement Courses

College level materials and programs are studied under the direction of the College Entrance Examination Board, allowing students to seek college credit by an examination (fee required if taking an AP exam – but that fee is waived for students who qualify for the Free & Reduced Lunch program). These are the most academically challenging courses offered. It is strongly recommended that students take the Advanced Placement Exam when selecting these courses. **Students must receive teachers' recommendations to enroll in all AP courses.** * For more information on the Advanced Placement program, go to the link on the district website, or contact Mr. Davis, AP Coordinator, david@dcoatesville.k12.pa.us

Honors

Courses are designed for students who demonstrate exceptional competency and interest, and who are considering attending competitive colleges and universities. These courses are accelerated and students will be required to meet the demands of a more rigorous academic program.*

* All **Advanced Placement** and **Honors** courses are marked with one final percentage grade as are all subjects. However, in determining students' numerical point averages and class ranks, the final course grades will be **weighted** for passing grades in all AP and Honors courses. (See chart on page 8)

Academic

Courses are generally recommended for students who wish to attend college and could include the motivated and successful business or vocational and technical students who desire the challenge of college preparatory courses.

GRADING POLICY

Teachers shall review with the students the level of mastery for each course and the basis upon which the grade symbols and numerical values will be assigned. These grades will be based upon the students' levels of success in achieving the established objectives of each course, and are reflected below:

(90-100%)	Distinguished
(80-89%)	Advanced
(70-79%)	Proficient
(60-69%)	Basic (no academic credit is awarded)
(59 % & below)	Below Basic (no academic credit is awarded)

Students must obtain a minimum final course grade of 70% (Proficient level) to earn credits for promotion from one grade to the next and to satisfy graduation requirements.

HONOR ROLL

Students will be recognized as qualifying for one of two distinct honor rolls. The Distinguished Honor Roll is for students who earn a 90% or higher in all courses for that marking period. The "regular" Honor Roll is comprised of students who have a numerical grade average of 80% or better for all courses with no grade less than 70% for that marking period.

NATIONAL HONOR SOCIETY

Any student who maintains a cumulative numerical grade point average (NPA) of 90% or higher will be initially eligible for membership in the Angela M. Cristoforo chapter of the National Honor Society (NHS). Eligible students will be notified near the end of their sophomore year or the beginning of their junior year. Any student interested in NHS membership should see his or her guidance counselor for information.

"HONOR GRADUATE"

Students who maintain a cumulative numerical grade point average (NPA) of 90% or higher and do not desire membership in NHS, or fail to meet the additional requirements of NHS membership, will be considered an "Honor Graduates." These students will be identified in the Commencement Program and will be permitted to wear a gold tassel at the graduation ceremony. (NOTE: All members of NHS are also automatically "Honor Graduates.")

DETERMINATION OF NUMERICAL POINT AVERAGE (NPA)

Regular Classes	Honors	AP Classes
(100-90)%	% + 5% pts.	% + 10% pts.
(89-80)%	% + 5% pts.	% + 10% pts.
(79-70)%	% + 5% pts.	% + 10% pts.
(69-60)%	% + 0% pts.	% + 0% pts.
(59-00)%	% + 0% pts.	% + 0% pts.

Additional "weights" for Honors and AP classes are NOT shown on students' report cards or transcripts. Calculations for determining students' cumulative Numerical Point Averages ARE affected by these "weighted" classes, and are executed by the academic records computer program. The additional "weight" for passing grades in all Honors and Advanced Placement courses are applied only to final course grades.

CLASS ENROLLMENT AND SCHEDULE CHANGES

Students should carefully consider the choices of their selected courses as well as their alternate selections. Read the course descriptions contained in this book carefully, ask students who have completed the course, and/or ask teachers in the respective departments about specific courses. Every attempt will be made to schedule the requested courses but many times it becomes necessary to substitute an alternate course for a requested course. For this reason, be sure the alternates you choose are classes in which you have interest.

PLEASE NOTE THAT SCHEDULING IS DONE FOR THE ENTIRE SCHOOL YEAR. COURSES THAT WERE MISTAKENLY SCHEDULED OR OMITTED SHOULD BE CORRECTED BEFORE THE END OF THE CURRENT SCHOOL YEAR. ALL SCHEDULE CHANGES AFTER CLASSES BEGIN IN THE FALL MUST BE TEACHER, COUNSELOR, OR ADMINISTRATOR INITIATED. STUDENTS WILL NOT BE PERMITTED TO DROP A COURSE AFTER TWO FULL 6-DAY CYCLES OF THE 1ST MARKING PERIOD WITHOUT A PARENT CONFERENCE. IF, AFTER THE REQUIRED CONFERENCE A COURSE IS DROPPED, THE STUDENT WILL RECEIVE A FAILING GRADE OF 40% FOR THAT COURSE. THE FAILING GRADE WILL REMAIN ON THE STUDENT'S TRANSCRIPT PERMANENTLY.

There are prerequisites for many courses. It is the **student's** responsibility to read all course descriptions and to be aware of all prerequisites and course content.

PLEASE BE AWARE THAT DUE TO MINIMUM ENROLLMENT REQUIREMENTS, SOME COURSES MAY NOT BE OFFERED. SOME STUDENTS MAY NOT BE ABLE TO SCHEDULE SOME ELECTIVE COURSES THAT HAVE REACHED THEIR MAXIMUM CLASS SIZE. IN THESE CASES, ALTERNATE COURSES WILL BE SCHEDULED. **NOTE: IF STUDENTS DO NOT SUBMIT ALTERNATE COURSES ON THEIR COURSE SELECTION CARDS, GUIDANCE COUNSELORS WILL CHOOSE ALTERNATES !!! CONTACT YOUR GUIDANCE COUNSELOR IF YOU HAVE ANY QUESTIONS. ALSO – COUNSELORS WILL ENTER COURSES FOR THOSE STUDENTS WHO FAIL TO RETURN THEIR COURSE SELECTION CARDS ! STUDENTS WHO FAIL TO RETURN THEIR COURSE SELECTION CARDS WILL NOT BE PERMITTED TO CHANGE THEIR SCHEDULES AT ANY TIME!!!**

AIR FORCE JUNIOR ROTC PROGRAM

In this program, the student studies many facets of modern aerospace including civilian, military, and educational aspects of the aerospace industry. Military drill, wearing the uniform and preparation for ceremonies comprise but one portion of the program. Cadet activities and field trips are interesting parts of the course. Students must wear the uniform at least once each week. All cadets must comply with Air Force grooming standards. Subject matter covered is selected from that listed under each Aerospace Science level. Cadets can participate in numerous AFJROTC – related extra-curricular activities. **There is no military obligation resulting from participation in AFJROTC.**

8051 Aerospace Science I 1.0 Credit

Grades 9-12

This course is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation, the development, modernization, and transformation of the United States Air Force, and a brief history of astronomical and space exploration. Students will receive an introduction to AFJROTC customs, courtesies, drills, ceremonies, physical training, and skills.

8053 Aerospace Science II 1.0 Credit

Grades 10-12

(prerequisite : Aerospace Science I)

The subject matter covered pertains to the science of flight. This course will apply principles of science learned in other courses such as earth science, biology, chemistry and physics. The major units covered include: the aerospace environment, the human requirements of flight and the principles of aircraft flight and navigation. Leadership education includes: communicative skills, individual and group behaviors, physical training, and leadership theory.

8055 Aerospace Science II (UCA) 1.0 Credit

Grade 10

(prerequisites : Aerospace Science I and attend Summer Leadership Program)

*** NOTE: This course will be limited to 6-9 cadets who will be selected by the instructor ***

Cadets serve as class leaders (Upper Class Advisors) for the AS-I classes. They plan, organize and supervise rookie cadets in the flight. They also assist with current event presentations, leadership education and aerospace academics. The UCA cadets receive AFJROTC I instruction and AFJROTC II instruction by independent study.

8057 Aerospace Science III

1.0 Credit

Grades 11-12

(prerequisite : Aerospace Science II)

The major units covered in this course are: The History of Astronomy, Characteristics of Earth, The Moon and the Solar System, and Characteristics of the Planets. Leadership studies include: career opportunities, choosing a career path, the job search, and financial planning.

8059 Aerospace Science IV

1.0 Credit

Grade 12

(prerequisites : Aerospace Science III and selected students chosen by the instructor)

The major areas of study include: aerospace vehicles, civil aviation, aerospace careers, survival, and policy and organization of the United States Military. Selected students will hold various positions of responsibility. Practical applications of leadership training and theory are reviewed and employed. Leadership activities include: management techniques, management decisions, management functions, and managing yourself and others.

ART

Two Dimensional Studio Art Courses

8745 Drawing and Painting

0.5 Credit

Grades 9-10

9745 Drawing and Painting

0.5 Credit

Grades 11-12

This course is designed for those students who have an interest in learning basic drawing and painting skills and techniques. A variety of media such as: pencil, pen, watercolor, acrylics, and pastels will be explored.

8709 Drama Design

0.5 Credit

Grades 9-12

This course is for the student with an interest in theatrical production. Through collaboration with the drama club, students will design playbills and props to be used in drama club productions. Other areas to be explored include mask making, puppetry, movie poster design, and building a model stage.

8747 Introductory Studio Art

1.0 Credit

Grades 9-10

9747 Introductory Studio Art

1.0 Credit

Grades 11-12

This course is designed for students who have an interest in art. Students will gain a solid foundation in the basic elements of art such as: composition, design, and art history. Students will also explore a variety of media such as: graphite, charcoal, pen and ink, colored pencil, pastels, tempera, watercolor, and acrylic paint.

8749 Intermediate Studio Art
1.0 Credit **Grade 10**

9749 Intermediate Studio Art
1.0 Credit **Grades 11-12**
(prerequisite: at least 80% in Introductory Studio Art)

This course will build upon the foundations of Introductory Studio Art. It will focus more on art principles, composition, art history, and each student's developing style while concentrating on techniques and experiences with various media.

9753 Advanced Studio Art
1.0 Credit **Grades 11-12**
(prerequisite: Intermediate Studio Art or teacher recommendation)

This course is specifically designed for the student who seriously intends to continue art studies beyond high school. It will require intensive efforts in several distinct disciplines such as drawing, design, and painting, focusing on that which is most needed for each individual student's post secondary portfolio. Advanced Studio Art is for students who have shown ability and are motivated for a more thorough study in the visual arts.

9750 AP Studio Art
1.0 Credit **Grades 11-12**
(prerequisites: Advanced Studio Art and/or teacher recommendation)

The Advanced Placement Studio Art Program enables the highly motivated student to do college level work in studio art while still in high school. The program is intended only for students seriously committed to studying art. Each student/candidate is expected to submit an extensive portfolio of artwork that can qualify for an evaluation by the College Entrance Examination Board of Princeton, New Jersey.

9751 Painting
1.0 Credit **Grades 11-12**

This course is an in depth exploration of painting media such as watercolors, tempera, and acrylics. Students study artwork of local artists as well as master painters. There are no prerequisites, however students should feel confident about their ability to draw. **Students may elect to take this course each year.**

Three Dimensional Art Courses

8703 Jewelry and Small Metals
0.5 Credit **Grades 9-12**

This course develops students' awareness of design history and its application in jewelry and in the making of small metal objects. Students will choose from a variety of metals and other materials to explore multiple approaches to create unique designs. This course is designed for students who are interested in detail and technical craftsmanship.

8715 Introductory Ceramics
0.5 Credit **Grades 9-12**

Students will explore ceramic and sculpture forms using hand-building techniques, such as pinch, coil, and slab, supplemented by an introduction to the potter's wheel. A variety of glaze and surface decorations will be used. Emphasis is placed upon original design and craftsmanship.

8717 Advanced Ceramics
0.5 Credit **Grades 10-12**
(prerequisite: at least 85% in Introductory Ceramics)

Students will continue the exploration of ceramic construction and decorative processes that were introduced in the introductory ceramics course. Further emphasis will be placed upon creative solutions to both functional and sculptural objects. Students should have the desire and strive to develop their technical expertise.

8757 Three Dimensional Design
1.0 Credit **Grades 9-10**

9757 Three Dimensional Design
1.0 Credit **Grades 11-12**

This course concentrates on various construction techniques in a wide variety of mediums to create both craft and sculptural objects. The histories and cultural aspects of both fields will be embedded within the project making process. Students should have an interest in and a desire to create original, crafted works of art. **Students may elect to take this course each year.**

Graphic Design Art Courses

8711 Drawing and Graphics
0.5 Credit **Grades 9-10**

This course concentrates on the study of graphic design; ways to communicate visually through a combination of words, shapes and images. Techniques in lettering, illustration, layout and design will be explored. Your interest in drawing, creativity, and craftsmanship will be developed to produce original compositions.

8719 Print Making **0.5 Credit** **Grades 9-12**

This course is an introduction to a variety of processes used to reproduce an original design. Students will experiment with techniques as simple as a monoprint to the more advanced silk-screening and relief printing methods. Emphasis is placed upon original designs and an interest in developing a quality finished product.

9758 Calligraphy **0.5 Credit** **Grades 11-12**

Students explore the exciting diversity of handwritten letters. Each student will develop the skills and knowledge to appreciate and enjoy lettering as an artistic expression. Students will learn a variety of lettering styles while utilizing several ink media and writing tools ranging from felt tipped pens to feather quills.

8701 Applied Computer Graphics**0.5 Credit****Grades 9-12**

This course concentrates on the computer as a tool for art. It will focus on advertising styles, illustration, animation and photo manipulation. Drawing, creativity and craftsmanship are strongly emphasized.

9755 Graphic Design**1.0 Credit****Grades 11-12**

Students will explore the field of visual communications through the use of traditional drawing skills and computers. Emphasis will be placed on developing a personal style using design elements, craftsmanship, and creativity.

BUSINESS/COMPUTER TECHNOLOGY EDUCATION

Please note that in courses where computer work is necessary, that computer work is to be done in school during class or through special arrangements, prior to or after school. No required computer work may be done at home or off school premises.

9642 Honors Accounting I 1.0 Credit Grades 11-12**9644 Academic Accounting I 1.0 Credit Grades 11-12**

Accounting I will provide students with an understanding of terminology, principles, and procedures that can be applied to keeping financial records for personal use, service, and merchandising businesses. Computer projects will be used to enhance the realistic application of accounting practices in the workplace.

8646 Keyboarding/Computer Applications**1.0 Credit****Grades 9-10****9646 Keyboarding/Computer Applications****1.0 Credit****Grades 11-12****(teacher recommendation only)**

Keyboarding/Computer Applications is designed to teach the “touch method” with acceptable speed and accuracy levels. Students will also acquire a firm foundation in word processing, spreadsheets, desktop publishing, presentations, and integration using Microsoft Office programs.

8605 Computer Applications 0.5 Credit Grades 9-10**9605 Computer Applications 0.5 Credit Grades 11-12****NOTE: This course is a graduation requirement.**

Computer Applications will establish a firm foundation in word processing, desktop publishing, spreadsheets, presentations, and integration using Microsoft Office programs.

9609 Entrepreneurship 1.0 Credit Grades 11-12

Students will learn how to develop a business plan for small business start-up. Other topics covered will include: different types of business ownership, marketing, operations, finance, accounting, and human resource management. This course is highly recommended for students interested in majoring in a business-related field in college.

9614 Personal Finance and Investment**0.5 Credit****Grades 11-12**

This is a comprehensive financial course that will develop students’ understanding and managing of educational and career goals, pay checks, checking accounts, budgets, credit and credit records, insurance, and investments. Computers will be used to enhance the realistic application of topics.

9657 Sports & Entertainment Marketing**1.0 Credit****Grades 11-12**

Students will study marketing for sports teams and sports products from high school through professional levels and from the entertainment industry. Students will create marketing plans, discuss legal issues, and plan management strategies.

Any of the following courses may be used to satisfy the Computer Technology Elective requirement. (see p.4)

8621 Microsoft Word and Excel**0.5 Credit****Grades 9-10****9621 Microsoft Word and Excel****0.5 Credit****Grades 11-12**

This course will cover introductory skills. Students will learn to create and edit letters, memos, faxes, envelopes, mailing labels, basic reports, and resumes in Microsoft Word. Students will also learn how to create, edit, and format spreadsheets, charts, and graphs using Microsoft Excel. This course will prepare students for the Proficient level of the MOUS Word and Excel Exams.

8636 Powerpoint / Desktop Publishing**0.5 Credit****Grades 9-10****9636 Powerpoint / Desktop Publishing****0.5 Credit****Grades 11-12**

Students will explore graphics and multimedia effects, and learn to create and edit presentations for on-screen display as well as for printed media using Powerpoint. Students will also produce custom designed brochures, flyers, newsletters, business cards, stationery, and promotional materials using Microsoft Word and other desktop publishing programs. This course will prepare students for the MOUS Powerpoint Exam.

8637 Expressions 0.5 Credit Grade 10**9637 Expressions 0.5 Credit Grades 11-12**

This class will introduce the concept of web page design using Microsoft Expressions – a web page design and editing tool. Students will be exposed to Internet search engines and e-mail for purposes of information gathering and research for web pages they will create.

CAREER DEVELOPMENT EDUCATION

Career and Technical Education Pathways

The Center for Arts and Technology (CAT), Brandywine, which becomes the Technical College High School, Brandywine Campus in 2012-13, is a public high school specializing in Career and Technical Education (CTE) and available for students in grades 9 through 12. CTE programs prepare students for success in college, the workplace and life. All CTE programs at the Brandywine Campus are designated as High Priority Occupations (HPO) by the Pennsylvania Department of Labor and Industry, and are aligned with the Pennsylvania State Academic Standards and national industry certifications.



CTE programs at the Brandywine Campus lead seamlessly to postsecondary education through the Pennsylvania Department of Education's (PDE) SOAR Programs of Study. The mission of SOAR is to prepare Students (who are) **O**ccupationally and **A**cademically **R**eady for college and careers in an increasingly diverse, high performing workforce. Graduates of approved SOAR programs who meet challenging academic and technical criteria qualify for several free technical credits at over twenty-five participating colleges across Pennsylvania. These include the Pennsylvania College of Technology, Delaware County Community College, Clarion University, Thaddeus Stevens College of Technology and Harcum College. For more information about SOAR and the complete list of participating colleges and postsecondary programs:

http://www.education.state.pa.us/portal/server.pt/community/programs_of_study/7686/articulations/679190

“Get the credits you’ve already earned!” in the following SOAR programs at the Brandywine Campus: Auto Collision Technology, Auto Service Technology, Business Academy, Carpentry, Commercial and Graphic Arts, Computer Information Systems, Culinary Arts, Early Childhood Care and Education, Electrical Occupations, Electronic Systems Technology, Engine Technology and Recreational Vehicles, Health Occupations, and HVAC/R Technology.

PDE-approved Tech Prep Programs are also PA High Priority Occupations and college pathways that connect to colleges and technical schools that offer credits for technical competencies and certifications achieved at the Brandywine Campus. Tech Prep Programs are: Cosmetology, Animal Science and Technology, and Criminal Justice and Police Science.

9615 HTML Web Page Design

1.0 Credit

Grades 11-12

Students will learn how to create web pages using the HTML programming language, and how to add hyperlinks, graphic tables, and frames and forms. Students will also learn: how to use Java Script and Cascading Style sheets to create dynamic text and images, control positioning, and how to bind data to a Web page.

9626 Introduction to Computer and Video Game

Programming

0.5 Credit Grades 10-12

This class is an introduction to Computer Programming using both the ALICE programming application and Microsoft Small Basic. Students will be introduced to object oriented programming while creating animated movies and simple video games. In ALICE, they will be introduced to production oriented programming languages like Java, C++, and C#. In Small Basic, they will be introduced to .NET language similar to the Visual Basic programming language.

9627 Object Oriented Programming

0.5 Credit

Grades 10-12

(prerequisite: Introduction to Computer and Video Game Programming)

This class builds on the content covered in the Introduction to Computer and Video Game Programming class. Students will be working on object oriented programming, focusing on problem solving. They will be using multiple development platforms to produce object oriented programming languages like Java, C++, and C#.

9639 Flash

0.5 Credit Grades 10-12

This is a highly intensive course where students will learn how to animate vector graphics and create animation for use in web development using Macromedia FLASH. Students will explore their creative side through the use of symbols and symbol libraries, motion tweening, buttons, layers, action scripting, and more. Students should have some understanding of movie format programming.

Seniors-only college preparatory programs include Teacher Academy, and Allied Health Science and Technology.

For more information about all of the Center for Arts and Technology's rigorous Career and Technical Education programs, seniors-only academies, and the application process, please visit: <http://www.cciu.org/catbrandywine/site/default.asp>
Or contact the Admissions Specialist at 484-237-5325.

The Center for Arts and Technology and Technical College High School are operated by the Chester County Intermediate Unit on behalf of Chester County's 12 public school districts.

Technical College High School (TCHS)

9007 TCHS AM Shops

3.0 Credits **Grades 10-12**
(prerequisites for first time applicants : **completed application and must be accepted**)

Students who are interested in attending the Technical College High School – Brandywine during 10th, 11th, and 12th grades must apply for admission. The Brandywine campus offers courses in 20 vocational/technical areas including: Animal Science & Technology, Automotive Collision Technology, Automotive Service Technology, Banking and Financial Services, Barbering, Biomedical Science, Carpentry, Commercial & Graphic Arts, Computer Information Systems, Cosmetology, Criminal Justice & Police Sciences, Culinary Arts, Early Childhood Care & Education, Electrical Occupations, Electronic Systems Technology, Engine Technology Systems (Mechatronics), Engine Technology & Recreation Vehicles, Health Information Management, Health Occupations, and HVAC/Refrigeration Technology.

9012 Honors Allied Health Science Technology

2.0 Credits **Grade 12**
(prerequisites: **completed application and must be accepted**)

The Allied Health Science course is designed to expose students to the numerous and varied health career opportunities that exist in the medical field. This course combines 1.5 hours per day of classroom theory with clinical observation on a hospital unit or in a clinical department. The clinical experience is under the supervision of both the hospital preceptor and the Technical College High School teacher. Interested students must apply for admission in the winter of their junior year. See your guidance counselor for more information. **Scheduling Allied Health Science Technology does satisfy the 4th science course requirement during the senior year.**

9018 Teacher Academy 2.0 Credits Grade 12 (prerequisites: **completed application and must be accepted**)

The Teacher Academy program is offered to those students who are interested in pursuing a career in secondary education. This program provides an environment in which to develop and practice skills that are necessary for a successful professional career in education. The Teacher Academy includes 7.5 hours per week of seminar/classroom and school-based internship activities. Enrollment is limited due to the number of cooperating teachers available in nearby school districts. The primary goal of this program is to help prepare students who may be interested in middle or high school teaching assignments. Interested students must apply for admission in the winter of their junior year. See your guidance counselor for more information.

ENGLISH

NOTE: Student placement in English courses will be based upon previous standardized test scores!

8142 Honors English 9 1.0 Credit Grade 9
(prerequisite: **teacher recommendation**)

8144 Academic English 9 1.0 Credit Grade 9

8148 English 9 1.0 Credit Grade 9

Designed to meet the proficiency and mastery of the PA academic standards, the integral parts of this course include: literature studied by theme and genre including novels, short stories, drama, non-fiction, poetry and mythology, history of the English language, grammar, vocabulary, essay, and composition.

8152 Honors English 10 1.0 Credit Grade 10
(prerequisite: **teacher recommendation**)

8154 Academic English 10 1.0 Credit Grade 10

8158 English 10 1.0 Credit Grade 10

Designed to meet the proficiency and mastery of the PA academic standards, students will study literature such as novel, drama, poetry, and short story. Other aspects of this course include: grammar, vocabulary, Greek and Latin roots, essay, composition, and research components.

9140 AP English 11 1.0 Credit Grade 11
(prerequisite: Honors English 10 and teacher recommendation)

This course aims to operate at a high analytical level while maintaining a mature classroom atmosphere. AP Language and Composition focuses on the study of Rhetoric and Composition techniques. The core of this course revolves around various non-fiction pieces – both long and short. The class focuses on the critical/analytical study of this literature through writing and discussion. Most composition work is based on the techniques studied in class. This course also prepares students to take the national Advanced Placement Exam which *may* lead to students being excused from required freshmen English courses in college. Sitting for the AP exam in May is not required. Research papers, similar to those assigned in college are also required.

9142 Honors English 11 1.0 Credit Grade 11
(prerequisite: teacher recommendation)

9144 Academic English 11 1.0 Credit Grade 11

9148 English 11 1.0 Credit Grade 11

This course will concentrate on reading, writing, speaking, and listening skills mandated by the PA State standards. Major aspects of this course center around American literature, vocabulary, essay, composition, and research methods.

9150 AP English 12 1.0 Credit Grade 12
(prerequisite: AP or Honors English 11 and teacher recommendation)

Students must be recommended for this course - **it is not an elective**. AP Literature and Composition aims to focus on the critical/analytical study of world literature through writing and discussion. This course also prepares students to take the national Advanced Placement Exam which *may* lead to students being excused from required freshmen English courses in college. Sitting for the AP exam in May is not required.

9152 Honors English 12 1.0 Credit Grade 12
(prerequisite: teacher recommendation)

9154 Academic English 12 1.0 Credit Grade 12

9158 English 12 1.0 Credit Grade 12

Reading, writing, speaking, and listening skills as mandated by the PA State standards will be honed. Major aspects of this course center around English literature, vocabulary, essay, composition, and research methods.

8183 ESL - Beginner 3.0 Credits Grades 9-10

8185 ESL - Intermediate 2.0 Credits Grades 9-10

8187 ESL - Advanced 1.0 Credit Grades 9-10

9183 ESL - Beginner 3.0 Credits Grades 11-12

9185 ESL - Intermediate 2.0 Credits Grades 11-12

9187 ESL – Advanced 1.0 Credit Grades 11-12

Full-year courses provide direct instruction in oral and written American English for non-native American English speakers. Students are assessed and placed in one of four levels of ESL based on test results and teacher recommendations. Depending on the level of the ESL course, it may replace the student's regular English course and may also provide flexibility in meeting local graduation requirements in some subjects - see the list on page 2. Students will also receive support for all academic subjects.

8091, 8087 English Seminar 0.5 Credits Grade 9

8093, 8095 English Seminar 0.5 Credits Grade 10

9093, 9091 English Seminar 0.5 Credits Grade 11

This course is designed for students whose scores on both district and state standardized tests consistently indicate a partial understanding or limited display of the skills assessed. Small group instruction and periodic testing allow for prescriptive teaching and measurement of individual student progress in the Pennsylvania Academic Standards. Participation will also assist students in preparing for the PSAT, SAT, and the ACT tests. **Enrollment in this course is mandatory for any eligible student.**

The following are English elective courses which can be used to satisfy general or humanities requirements, but are not to be used in place of an English credit:

9105 Film as Literature I 0.5 Credit Grades 11-12

Earn a 0.5 credit in Humanities by studying films as works of literature and art. Learn the aspects of filmmaking and the evaluation of film as literature through creative writing and various communication skills. This course concentrates on writing, listening, and speaking skills. Good attendance is a requirement for academic success.

9106 Film as Literature II 0.5 Credit Grades 11-12

Earn a 0.5 credit in Humanities by continuing the study of films as works of literature and art. This course continues to build on listening skills and writing skills begun in Film as Literature I. Good attendance is a requirement for academic success. This course may be taken concurrently with Film as Literature I.

8104 SAT Preparation/Verbal
0.5 Credit

Grades 9-10

9104 SAT Preparation/Verbal
0.5 Credit

Grade 11

Learn tips to prepare for the verbal section of the SAT. This course will prepare the student for the PSAT and the SAT by including instruction for the written section of the SAT as well as strategies and practice in taking the verbal portion of the test. College essay writing will also be covered.

9109 Theater Arts **0.5 Credit** **Grades 10-12**

Throughout this course students will learn about the components and history of Theater Arts - which includes, but is not limited to: acting, casting, directing, scriptwriting, improvisation, prop usage, lighting, and stage make-up and setting. As part of this course, students will also prepare an acting resumé and/or a professional acting reel. Students who request this course must understand that they will be photographed and/or filmed and will also be expected to perform in front of an audience.

9171 Electronic Journalism
1.0 Credit

Grades 11-12

(prerequisite: at least 75% in English 10 or English 11)

Students in this course will learn how to perform on television and to operate television equipment. The course includes script writing for commercials, news, sports, features, and editorials. Students learn to operate portable and studio television equipment and are required to complete a service project.

9173 Advanced Electronic Journalism
1.0 Credit

Grade 12

(prerequisite: Electronic Journalism with teacher recommendation and at least 80% in English 11) These students are members of WCHS-TV and produce two news programs: The Morning Report, aired at the main campus each day and Update, a program on Cable TV. WCHS is conducted as a workshop course with rotating responsibilities. Students may also produce other television specials for personal satisfaction and area competitions. Students are required to complete a service project.

8111 Creative Writing **0.5 Credit** **Grades 9-10**

Designed to increase writing skills, this course will focus on a variety of genres, including: fiction, personal essays, and poetry. Students will be asked to submit a variety of literary pieces for workshop classes where classmates will constructively criticize and respond to their peers' works. Students will be expected to revise and edit their own writing based upon techniques learned from the workshops. Students will also read, explore, and discuss the motivations behind various authors' writings.

9167 Journalism/Yearbook **1.0 Credit** **Grades 11-12**
(prerequisite: at least 80% in English 10 or English 11)

Journalism/Yearbook class is designed to teach the student about the history of mass media/journalism with a focus on creating the school yearbook, *Talaria*. During the first part of the year, students will learn how to work as a team to develop, design, and create the yearbook for CASH. They will also be involved with marketing and selling the yearbook to students and staff as well as taking part in the annual patron drive. In addition to creating the yearbook, there will be a strong emphasis placed on learning about marketing, advertising, bias in news reporting and the role the media plays in American life. The student will also study how the mass media covered key events in American history through thorough examination of major news events from 1968 through the present. In addition, students will learn how to write various types of film and television reviews for newspapers. The course will involve writing, editing and proofing assignments for the yearbook and other selected assignments throughout the year.

9169 Public Speaking/Forensics (Debate)
0.5 Credit

Grades 9-12

This course offers the student an opportunity to gain experience in small group discussion, formal and informal speeches and debating. A highlight of the course is the Rotary Club Speech Contest with cash prizes for all participants. Students will develop individual video portfolios.

8131 Gifted Seminar
0.5 Credit

Grades 9-12

Gifted Seminar is open to all gifted students who have been identified as eligible for Special Education services under Chapter 16 of the Pennsylvania code. Activities will be directed through the development of Individualized Education Plans developed by the student, gifted teachers, and parents. Activities may include, but are not limited to: individualized projects (which may be used as graduation projects), special presentations, field trips, enrichment activities and accelerated instruction. The class is configured on a four-year cycle so that activities and areas of study change each year. Students also participate in a mentoring program at Caln Elementary School.

FAMILY AND CONSUMER SCIENCES

8723 Foods and Finance **0.5 Credit** **Grades 9-10**

Foods and Finance introduces students to important life skills. Students will explore the concepts of nutrition, food handling, and the theory behind food preparation in a lab setting, as well as the basic financial skills that are used by families.

MATHEMATICS

9719 Foods and Finance II 0.5 Credit Grades 11-12

This course provides the student many opportunities to advance their food preparation skills. Students will apply principles of food preparation and nutrition to lab settings. Foods and Finance II provides experiences in classroom theory as well as lab applications, and financial skills that are used by families.

8733 Sports Nutrition 0.5 Credit Grades 9-10

Sports Nutrition will help you eat right and give you an extra edge in your sports performance. Topics will include: nutrients, carb-loading, eating fast-food, performance-enhancing drugs, and sports beverages. This course is open to athletes and non-athletes.

9763 Child Development - CASH Pre-School 1.0 Credit Grades 10-12

This course provides students with the opportunity to plan and implement developmentally appropriate lessons for pre-school children. Students will gain knowledge about how children grow and develop, and apply their studies by teaching 4-5 year-old children who are enrolled in the CASH Pre-School.

9765 Advanced Child Development - CASH Pre-School 1.0 Credit Grades 11-12

Following the successful completion of the Child Development class, the student teachers will take a leadership role in the daily activities and operations of the CASH Pre-School. This course is designed to prepare student teachers for potential careers in child care/education.

8726 Housing Design 0.5 Credit Grades 9-10

Become an informed housing consumer. Learn to make the most of your surroundings by studying the elements of interior design. This study will include color applications, styles of houses, furniture styles, room layouts, and landscaping. Learn about computer aided design plus how to prepare drawings and present a design plan.

9741 Textile Arts 0.5 Credit Grades 9-12

Learn basic sewing techniques for clothing design, home decor, and the latest crafting methods in making great accessories. **Students will be required to provide most of the materials for class projects. Students may elect to take this course each year.**

9743 Basic Fashion Construction 1.0 Credit Grades 11-12

This course is for those who are serious about fashion design and those who need sewing skills. **Students must provide all materials for garments.** Topics will include: pattern selection and layout, zippers, button holes, linings, and hems.

NOTE: Student placement in Mathematics courses will be based upon previous standardized test scores!

8343 Algebra I 1.0 Credit Grades 9-10

This course is designed to introduce fundamentals in the use of variables to solve problems. The course will stress the four operations with whole numbers, decimals, fractions, and integers when solving equations and inequalities. Operations with polynomials, factoring, algebraic fractions, square roots, and graphing on the Cartesian coordinate plane will also be emphasized in this course.

8334 Academic Algebra I 1.0 Credit Grades 9-10

Algebra I is designed to establish the fundamentals of problem solving techniques and the use of variables. The skills to be stressed will include: four operations using integers, solving equations and inequalities, operations with polynomials, factoring, algebraic fractions, square roots, and graphing on the Cartesian coordinate plane.

8336 Honors Algebra 1.0 Credit Grade 9 (prerequisites: teacher recommendation and Algebra I)

This course is designed to continue the topics of Algebra I. The fundamental concepts of Algebra I will be reinforced as the topics of linear equations, inequalities, absolute value, rational and radical expressions and equations, and quadratic functions are covered.

8362 Honors Geometry 1.0 Credit Grades 9-10

8364 Academic Geometry 1.0 Credit Grades 9-10

8368 Geometry 1.0 Credit Grade 10

The concepts covered in these courses include, but are not limited to: points, lines, angles, triangles, geometric constructions, parallelograms, basic properties of circles, areas of plane figures, and volumes of solid figures. Algebra skills will be integrated throughout these courses. The depth of proof completions will vary depending upon the level of the course.

8342 Honors Algebra II 1.0 Credit Grades 9-10

8344 Academic Algebra II 1.0 Credit Grades 9-10

9344 Academic Algebra II 1.0 Credit Grades 11-12

8348 Algebra II 1.0 Credit Grade 10

9348 Algebra II 1.0 Credit Grades 11-12

These courses include the topics of: polynomials, equations, inequalities, graphing, factoring, algebraic fractions, exponents, functions, quadratics, irrational numbers, and their applications to statement problems in real life situations.

Elective Courses in Mathematics

9340 AP Calculus (AB) 1.0 Credit Grades 11-12
(prerequisites: teacher recommendation and at least 80% in Honors Precalculus, or 95% in Academic Precalculus)

The course consists of a comprehensive analysis of the theory and application of differential and integral calculus. Graphing calculators will be a necessity in this course (the TI-83+ is recommended). In May, students are strongly urged to take the Advanced Placement Calculus-AB examination and they may receive college credit.

9360 AP Calculus (BC) 1.0 Credit Grade 12
(prerequisites: teacher recommendation and at least 85% in AP Calculus AB)

This course is comprised of all of the AP Calculus (AB) topics and additional topics including: differential equations, slope fields, parametric and polar functions, and MacLaurin and Taylor Series. **ONLY THE STRONGEST MATH STUDENTS SHOULD BE RECOMMENDED FOR THIS COURSE !**

9342 Honors Calculus 1.0 Credit Grades 11-12
(prerequisites: teacher recommendation and Honors Precalculus, or 90% in Academic Precalculus, or 95% in Algebra III & Trigonometry)

Honors Calculus is an accelerated course which surveys analytic geometry and emphasizes the principles and applications of differential and integral calculus. Graphing calculators will be a necessity in this course (the TI-83+ is recommended).

9352 Honors Precalculus 1.0 Credit Grades 10-11
(prerequisites: at least 85% in both Honors Geometry and Honors Algebra II, or at least 90% in both Academic Geometry and Academic Algebra II)

9354 Academic Precalculus 1.0 Credit Grades 11-12
(prerequisites: 80-85% in both Honors Geometry and Honors Algebra II, or at least 85% in both Academic Geometry and Academic Algebra II)

These courses are in preparation for Honors or AP Calculus. The content will include: complex numbers, polynomials, and exponential, logarithmic, and trigonometric functions and their inverses. Selected topics from analytic geometry will also be introduced. The use of graphing calculators (TI-83+ is recommended) will be encouraged. **NOTE: Any student who has passed Algebra III & Trigonometry may not schedule Precalculus.**

9366 Algebra III & Trigonometry

1.0 Credit Grades 11-12
(prerequisites: 70-79% in both Honors Geometry and Honors Algebra II, or 70-84% in both Academic Geometry and Academic Algebra II, or at least 85% in both Geometry and Algebra II)

This course will include more advanced factoring techniques, the study of algebraic fractions, complex numbers, exponential and logarithmic functions, and the conic sections. Trigonometry will use the unit circle approach in defining the six trigonometric functions. Trigonometry topics will include: the unit circle, graphs of trigonometric functions, inverse trigonometric functions, and solving trigonometric equations. **NOTE: Any student who has passed Precalculus may not schedule Algebra III & Trigonometry.**

9350 AP Statistics 1.0 Credit Grade 12
(prerequisites: teacher recommendation and at least 85% in Honors Precalculus, or 90% in Academic Precalculus)

This course consists of a comprehensive study of descriptive and inferential statistics. Concepts covered will include: data analysis, measures of central tendency and spread, regression analysis, experimental design, probability distributions, and hypothesis testing. The graphing calculator (TI - 84 +) will be used daily. Students are strongly encouraged to take the AP exam in May. Students who have passed Probability and Statistics may not take this course.

9349 Probability and Statistics 1.0 Credit Grade 12
(prerequisites: Honors or Academic Precalculus or Algebra III & Trigonometry)

This course is in preparation for college business education, science, and/or social science courses. The course is a study of descriptive and inferential statistics. Concepts covered will include: data analysis, measures of central tendency and spread, probability, distributions, and hypothesis testing. The graphing calculator (TI – 84+) will be used daily.

9356 Academic Math Topics 1.0 Credit Grades 11-12
9358 Math Topics 1.0 Credit Grades 11-12
(prerequisite : Academic Precalculus or Algebra III & Trigonometry)

Major topics include: advanced graphing techniques, graphing polynomial and rational functions, matrices and determinants, linear programming, sequences and series, the binomial theorem, mathematical induction, probability, and analytical geometry. The graphing calculator (TI-83) will be used regularly in this course.

9304 SAT Math Review 0.5 Credit Grades 9-11
(prerequisites: Algebra I and Geometry – Geometry only may be taken concurrently)

SAT Math Review provides a review of algebra and geometry using problems similar to those included on the SAT. Students may get additional help by using the SAT program on the computer. Students must have completed both Geometry and Algebra I before scheduling this course!

8811 9th Grade Girls' Chorus 0.5 Credit Grade 9
9th Grade Girls' Chorus is a non-auditioned choir of women's voices that participates in concerts and assemblies. The choir performs an SSA repertoire of different styles and music from all periods of music history, in English, as well as other languages. Vocal sectionals are a regular part of each student's experience. Participation is expected at all announced functions in which this group participates. **Attendance at all performances and rehearsals is mandatory.** This is a co-curricular course, which means that it has some requirements outside of school hours. Exceptions to this policy MUST be approved by the director and the principal.

9819 Music Keyboard 0.5 Credit Grades 9-12
Music Keyboard is a course in the beginning basics of keyboard playing for those with no prior experience. Classes are taught in group lessons with practice time and individual help given to each student. Classes stress note reading, musical signs and symbols, intervals, and performance within the classroom setting. Each student has his or her own keyboard for class and lesson use and what she or he learns is transferable to home organ, piano, or keyboard.

9835 Symphonic Band 0.5 Credit Grades 9-12 (prerequisite: audition/evaluation by the director)
NOTE: This course requires a FULL YEAR commitment on the part of the student. Only brass and woodwind players should schedule this course. Percussion students should schedule Percussion Ensemble.

This class is a select instrumental organization whose members are selected or recommended by the high school or middle school director through an evaluation process. This is a high profile ensemble. The members are part of **ONE** band, the Marching Red Raider band and the Coatesville Area Senior High School Concert Band. During the marching season, the band rehearses two nights per week. If there is a competition on a Saturday, the band will rehearse before the competition. The Marching Red Raiders enjoy a demanding fall schedule, comprised of competitions, football games, parades, and community events, which concludes at the end of football season. However, other performances (i.e. parades, community events, etc.) *may* involve marching after football season has concluded. Participation is expected at all announced performances. **Attendance at all performances and rehearsals is mandatory.** This is a co-curricular course, which means that it has some requirements outside of school hours. Exceptions to this policy MUST be approved by the director and the principal. There is a participation fee of \$80 to cover the cost of dry cleaning. Some students may need to purchase shoes and/or gloves at an additional cost of up to \$40.

9823 Jazz Band 0.5 Credit Grades 9-12 (prerequisite: audition/evaluation by the director)
The membership consists of a limited jazz instrumentation and is chosen by the director through an audition process. The instrumentation is as follows: alto, tenor, and baritone saxophones, tuba, trombones, trumpets, drum set players, electric and bass guitars. Jazz/Big Band music is the primary focus of this class. **Students who choose this course MUST be able to read music!** All wind players such as saxophones and brass MUST be part of the Symphonic Band. **There are a LIMITED number of bass and electric guitar and drum positions in this ensemble.** **Attendance at all performances and rehearsals is mandatory.** This is a co-curricular course, which means that it has some requirements outside of school hours.

9827 Percussion Ensemble 0.5 Credit Grades 9-12 (prerequisite: audition/evaluation by the director)
Only percussionists should schedule this course. Brass And woodwind players must schedule Symphonic Band.
This course is designed to explore the melodic percussion instruments. This class will have several mandatory performances. Students must be able to read music. The instruments that will be covered are Timpani, Marimba, Xylophone, Vibraphone, field battery, and all types of auxiliary instruments as well as some rudiment percussion. Students must be recommended by the teacher/director. During the outdoor months, this group performs with the Marching Band. This is a co-curricular course, which means that it has some requirements outside of school hours.

9838 Music Majors 0.5 Credit Grades 9-12
This comprehensive music class will give students a better understanding of the principles of music notation, theory, and composition. The elements of music and music technology will also be studied. Aural (listening) and vocal (singing) skills will be developed through rhythm and melody dictation exercises. The course is designed for serious music students who may be considering a career in music or for students who simply desire to enhance their existing knowledge of music. **NOTE: This course is the prerequisite for AP Music Theory.**

9829 Indoor Visual Ensemble 0.5 Credit Grades 9-12 (prerequisite – audition/evaluation by the director)
This course is designed to teach the student about movement through the use of color guard pageantry and choreography. This is a hands-on course that will require all students to actively participate in the class. Students will be exposed to demonstrations, lectures, choreography, blocking, staging and writing their own routines. Students must be a member of the outdoor colorguard to be a member of this class. During the outdoor months, this group performs with the Marching Band. This is a co-curricular course, which means that it has some requirements outside of school hours.

8821 String Orchestra 0.5 Credit Grades 9-12
 Selected by audition, the String Orchestra class is a select group of string players which serves as the string section of the Coatesville Area Senior Orchestra. Students study a varied repertoire of music from all periods of classical composition with many performances scheduled throughout the year. **Attendance at all performances and rehearsals is mandatory.** This is a co-curricular course, which means that it has some requirements outside of school hours.

9917 Advanced Strength Training 0.5 Credit Grades 11-12
(prerequisite: Strength Training)
 This course is a follow-up to the basic Strength Training course and will continue the development of muscular strength, coordination, endurance and flexibility.

8911 Aerobics 0.5 Credit Grades 9-10
 Aerobic education provides the opportunity for each individual to discover and understand the body and how it functions; to realize the potential of his or her physical capabilities. The combination of instruction and participation in aerobic dance, speed walking, and weight training results in experiences in which social, intellectual, cultural, and emotional understandings are developed.

PHYSICAL EDUCATION

**** NOTE: All Wellness and Fitness courses at the High School Campus are co-educational ****

8901 Wellness and Fitness 0.5 Credit Grade 9
8903 Wellness and Fitness 0.5 Credit Grade 10
9901 Wellness and Fitness 0.5 Credit Grade 11
9903 Wellness and Fitness 0.5 Credit Grade 12

Wellness and Fitness will provide students an opportunity to develop and maintain healthy behaviors through participation in both health and physical education. Health education in the classroom will assist students in the examination of their lifestyles and provide them with the tools to select goals and make plans to achieve a lifetime of healthy behaviors. Physical education will provide students an opportunity to participate in a variety of individual and team activities including swimming. These activities will help develop and improve their level of physical and mental fitness as well as their social and emotional well being. In swimming, students learn basic strokes and water safety techniques while learning to implement these skills through lifetime fitness and water sport activities. All students are required to take these courses unless they are excused due to documented medical and/or physical reasons.

8905 Adaptive Wellness and Fitness 0.5 Credit Grades 9-10

9905 Adaptive Wellness and Fitness 0.5 Credit Grades 11-12
(prerequisite: teacher recommendation)

This course is a diversified class for students with disabilities who may not safely or successfully engage in unrestricted participation in regular physical education classes.

8915 Strength Training 0.5 Credit Grades 9-10
9915 Strength Training 0.5 Credit Grades 11-12

Strength training will provide students with the opportunity to develop muscular strength, coordination, endurance and flexibility. The course will offer students the tools to achieve a lifetime of healthy behaviors.

9913 Sports Medicine 0.5 Credit Grades 11-12
 This course teaches students the basic skills involved in preventing, evaluating, treating and rehabilitating sports-related injuries. This course provides the opportunity for hands-on learning experiences and is therefore designed for students interested in health care professions such as Athletic Training, Physical Therapy, Orthopedic Medicine, etc. It is recommended that students have previous knowledge of first aid and CPR.

9914 Advanced Sports Medicine 0.5 Credit Grades 11-12
(prerequisite: Sports Medicine)

This course is a continuation of Sports Medicine. Advanced ideas, vocabulary, and treatments will be presented in this course.

9907 Life Guarding 0.5 Credit Grades 11-12
(prerequisite: must pass a skills test consisting of 20 laps, freestyle, breaststroke, and retrieve a 10-pound brick in 9 feet of water)

To enroll in this life guarding class, you must be at least 15 years of age and be a strong swimmer. Students must pass the skills test described above. Students are responsible to purchase necessary materials which cost from \$100 to \$125. Upon completion of the American Red Cross Lifeguard Training course, you will receive an American Red Cross Lifeguard Training certificate. Along with the Lifeguard Training certificate, you will also receive a certificate in CPR for the Professional Rescuer which is valid for one (1) year. Preventing Disease Transmission certification and AED certification are both valid for one year.

SCIENCE

9440 AP Biology 1.5 Credits Grades 10-12
(prerequisites: at least 85% in Honors Biology and teacher recommendation)

This course emphasizes the biological concepts in three overarching topics: molecules and cells, heredity and evolution, and organisms and populations. AP Biology provides students with an opportunity to develop a conceptual framework for modern biology and stresses an understanding of science as a *process* rather than an accumulation of a set of facts.

8442 Honors Biology 1.0 Credit Grades 9-10
8444 Academic Biology 1.0 Credit Grade 10
8448 Biology 1.0 Credit Grade 10
9428 Biology 1.0 Credit Grades 11-12

Biology is the science of living things; their structure, function, and interactions in the biosphere. The three levels of biology exist to address the life science needs of students of varying ability.

9442 Honors Biology II 1.0 Credit Grades 11-12
(prerequisites: at least 85% in Honors or 90% Academic Biology)

Biology II is an advanced course that takes more in-depth study of the unifying principles which govern the operation of all living things, including: biological chemistry, energy, metabolism, cell biology, genetics, evolution, and scientific process. A strong emphasis is placed on critical thinking, writing, and laboratory work. Project-based surveys of comparative anatomy and organism behavior, as well as ecological relationships, round out the year. Dual enrollment is an option; see Mr. Davis for details.

9443 Human Anatomy & Physiology 1.0 Credit Grades 11-12
(prerequisites: Honors or Academic Biology and Honors or Academic Precalculus)

Human Anatomy & Physiology is a course presented in a systematic approach for the college-bound student. It is especially designed for the bioscience or health oriented career fields. The course content includes: principles and functions of the major organ systems as advances are made in biotechnology.

9450 AP Chemistry 1.5 Credits Grades 11-12
(prerequisites: at least 85% in both Honors Algebra II and Honors Chemistry)

AP Chemistry is a detailed study of the states and structure of matter, reactions, and descriptive chemistry. A strong emphasis is placed on critical thinking, detailed problem solving, writing, and laboratory work. Students are required to keep a lab notebook and provide their own scientific calculator.

9452 Honors Chemistry 1.0 Credits Grades 10-12
(prerequisites: at least 80% in both Honors Biology and previous Honors math course – if Honors Algebra II is the math course, it may be taken concurrently)

9454 Academic Chemistry 1.0 Credit Grades 11-12
(prerequisites: at least 80% in both the previous academic math and science courses – if Algebra II is the math course, it may be taken concurrently)

9458 Chemistry 1.0 Credit Grades 11-12
(prerequisites: both Biology and Algebra I – Algebra II should be taken concurrently)

Chemistry is a lab science class for college bound students. This course uses an inquiry approach with emphases on problem solving and lab investigations. Major topics include: the composition, structure, and changes of matter, the periodic table, and energy. Scientific calculators are required for this course.

9444 Academic Earth Science II 1.0 Credit Grades 11-12

9448 Earth Science II 1.0 Credit Grades 11-12

This course will examine the major earth systems and their roles in the natural world. Emphasis will include historical changes to the earth, technological learning and advances, and the role of man in the world. Relationships between society, science, and technology will be integrated into the study of earth systems.

9453 Chemistry of the Environment 1.0 Credit Grades 11-12
(prerequisite : Algebra I and Biology)

Chemistry of the Environment is a course focusing on chemistry and its societal implications. The properties and behavior of matter and energy are covered as analogies to larger scale ecological concepts such as the ecosystem and natural cycles. Students taking this course will have the opportunity to develop science and problem solving skills. **Students who are currently enrolled in or have successfully completed any Chemistry course can not take this course!**

8452 Honors Earth Science I 1.0 Credit Grade 9

8454 Academic Earth Science I 1.0 Credit Grade 9

8458 Earth Science I 1.0 Credit Grade 9

This course is designed to give students a comprehensive look at the universe and the environment of planet earth. Students will investigate a variety of topics in geology, astronomy, meteorology, and oceanography. Special emphasis will be placed on the geology of Pennsylvania.

8449 Field Biology**1.0 Credit****Grades 11-12****(prerequisite : Honors Biology, Academic Biology, or Biology)**

This is a project-driven Biology course that focuses on the environmental aspects of Pennsylvania wildlife, birds, water, soils, and insects. This applied science course utilizes field studies in these areas that are student-directed, and student-presented. Leaf and insect collections are requirements of this course as well as several oral/visual presentations. All projects and assignments are used to further enhance knowledge of the outdoors in Pennsylvania.

9401 Meteorology**0.5 Credit****Grades 10-12****(prerequisite: Earth Science)**

The course will concentrate on phenomena occurring in the earth's atmosphere. Topics included are: earth motions, seasons, weather instruments, forecasting, clouds, air masses and winds. Extensive hands-on, cooperative learning activities and the use of satellite tracking station images will be stressed.

8403 Oceanography I**0.5 Credit****Grades 9-11****(prerequisite: 80% in Earth Science I, or 85% in 8th grade science if Earth Science is taken concurrently)**

In this course, students will study the interaction of the ocean with other parts of our planet, including: chemical and physical properties of the ocean, marine life, marine weather, ocean motions, marine zones, marine ecology, and methods of exploration. There will be an emphasis on the changing state of the ocean due to human activity.

9403 Oceanography II**0.5 Credit****Grades 10-12****(prerequisite: Earth Science I and Biology / Honors Biology may be taken concurrently)**

Course topics include the physical, chemical and biological compositions of the oceans. Man's dependence on the ocean will be emphasized through the study of ocean mapping, circulation, wave actions, modification of shorelines, and bottom features. There will be an emphasis on the interaction of human activity, the ocean, and the atmosphere.

9447 Physical Science**1.0 Credit****Grades 11-12**

This course is NOT recommended for college-bound students. For those students looking to explore the world of physical science, this course covers major concepts in chemistry and physics and is mainly project based. **Students concurrently enrolled in or who have successfully completed Chemistry may NOT schedule this course!**

9470 AP Physics**1.5 Credits****Grades 11-12****(prerequisite: at least 85% in previous Honors level science course and Precalculus or teacher recommendation)**

This course is an intense, college level, Calculus-based course designed to prepare the student to take the AP Physics exam. This is a lab-oriented course that places its emphasis on problem solving. Students will be required to provide their own scientific calculator. Any student who chooses this course should also plan to take the AP exam in May.

9472 Honors Physics**1.0 Credit****Grades 11-12****(prerequisite: at least 80% in Honors or Academic Precalculus and previous science course)****9476 Academic Physics****1.0 Credit****Grades 11-12****(prerequisite: student must have passed their previous science and math courses)****9478 Physics****1.0 Credit****Grades 11-12****(prerequisite: Algebra I)**

This course will answer questions like: "How far can I shoot an arrow?" or, "Why is the first hill of a roller coaster ride the highest?" or, "How is a rainbow formed?" Using equations, students will gain insight to the world around them.

9434 Forensic Science**1.0 Credit****Grade 12****(prerequisites: Computer Applications, Earth Science, Biology, Chemistry, Geometry, and Algebra I)****(At least 80% in Physical Science if previously taken)**

This course will be a laboratory course which applies knowledge of criminal law, mathematics, and the sciences in solving crimes. Students are expected to maintain an organized portfolio of forensic laboratory investigations and author a research paper.

(NOTE: See page 15 for Honors Allied Health Science description)

SOCIAL STUDIES

8241 Psychology**1.0 Credit****Grade 10**

This course is an introduction to the basic fundamentals of human behavior and mental processing. This course will cover such areas as: history of psychology, biological basis of behavior, research methods, sensation, perception, learning, cognition, memory and personality.

8242 Honors Early American History**1.0 Credit****Grade 9****8244 Academic Early American History****1.0 Credit****Grade 9****8248 Early American History****1.0 Credit****Grade 9**

This course surveys the political, economic, and social development of the United States from its 18th century constitutional inception to its turn of the 20th century emergence as a world power. Concentrating primarily on domestic issues of American history, this course examines the themes of democracy, the impact of individuals and groups, diversity and equality, expansion, economic and technological development, and roles and rights of citizenship.

8252 Honors European History
1.0 Credit **Grade 10**
8254 Academic European History
1.0 Credit **Grade 10**
8258 European History
1.0 Credit **Grade 10**

This course is a survey of the political, social, economic, and cultural developments of European nations and their influential impact on cultures worldwide. Through examining the themes of democratic ideals, science and technology, cultural interaction, power and authority, economic development, and the impact of individuals and groups, empire building, and revolution, students will better understand the historical development of Western civilization and its influence around the world.

8261 African American Experience
1.0 Credit **Grades 9-10**

9261 African American Experience
1.0 Credit **Grades 11-12**

This course will focus on the Black Experience from the 14th century to the present. The course is designed to expose students to the various attitudes and experiences of African Americans throughout history.

9230 AP European History 1.0 Credit Grades 10-11

AP European History is a challenging course that is meant to be the equivalent of a freshman college course and can earn students college credit. It is a two-semester survey of European history from 1300 to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are paramount to success. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and verbal communication. A short research paper linking European literature and history is required per marking period.

9240 AP Psychology 1.0 Credit Grades 10-12
(prerequisites: at least 85% in previous Honors Social Studies class and teacher recommendation)

AP Psychology provides an opportunity for highly motivated students to prepare for taking the AP Psychology test. Success on this test could result in obtaining college credit in an introductory Psychology course. The course will cover all the major areas of Psychology.

9241 Psychology 1.0 Credit Grades 11-12

This course is an introduction to the basic fundamentals of human behavior and mental processing. This course will cover such areas as: history of psychology, biological basis of behavior, learning, cognition, memory, and personality.

9242 Honors American Government
1.0 Credit **Grades 11-12**
9244 Academic American Government
1.0 Credit **Grades 11-12**
9248 American Government
1.0 Credit **Grades 11-12**

The American Government course will focus primarily on the institutions of the U.S. government, the Bill of Rights, and related topics. This course will also include an Economics component.

9250 AP United States Government & Politics
1.0 Credit **Grade 12**

(prerequisite: AP, Honors, or Academic Modern American History and teacher recommendation)

This course prepares students to take the national AP Exam which may lead to earning college credits. The course covers issues of constitutional development, institutions of government, the political process, and public policy.

9260 AP United States History
1.0 Credit **Grade 11**

(prerequisites: at least 87% in previous English and History courses taken and teacher recommendation)

This course is an extremely demanding and intense study of American history from colonial times to the present. This course is taught at a college level. Due to the rigorous writing demands of this course, the prerequisites shown above must be adhered to.

9262 Honors Modern American History
1.0 Credit **Grades 11-12**

9264 Academic Modern American History
1.0 Credit **Grades 11-12**

9268 Modern American History
1.0 Credit **Grades 11-12**

Modern American History is a study of American history beginning with events leading to World War I. Topics include, but are not limited to: Imperialism, WWI, the Twenties, the Great Depression, WWII, the Cold War, the Civil Rights struggle, the Korean and Vietnam Wars, and the Kennedy assassination.

9270 AP Human Geography
1.0 Credit **Grades 10-12**

(prerequisites: At least 85% in previous Honors Social Studies course and teacher recommendation)

AP Human Geography is the study of the distribution of people and their actions on the surface of the earth. This course is a combination of two social sciences: geography and sociology. This course will challenge students to make connections between humans and their global environment, while enhancing the study of all social sciences.

TECHNOLOGY EDUCATION

9775 Wood Technology I 1.0 Credit Grades 9-12 **(*NOTE : any student added after the first mid-marking period, must pass all safety tests at 70% or higher *)**

Basic Furniture Building is organized to expose students to a wide range of wood technologies. Course content presents the basic and joinery skills needed to build basic furniture. Proper use of hand and power tools, woodworking machinery, and safety procedures will be covered. Measuring and wood joinery will also be covered. All students must be proficient (70% or higher) in measuring and safety in order to receive credit for this class. Students will be responsible for the cost of their projects.

9777 Wood Technology II 1.0 Credit Grades 10-12 **(prerequisite: 80% in Basic Furniture Building / Wood Tech. I or teacher recommendation)**

This course introduces basic cabinetmaking skills. Topics covered include: material selection, layout, case construction, drawer and door construction, and finishing techniques. This course includes the design and construction of various projects. **Students will be responsible for the cost of their projects.**

8777 Electronics I 1.0 Credit Grades 9-12 **(prerequisite: Algebra I)**

This course is a survey of electricity and electronics. Typical electrical and electronic principles are covered. Practical applications including solving, breadboarding, use of test equipment, simple robotics, and printed circuit board assembly will also be covered. The course will focus on covering the basic concepts of electricity and its applications within our society.

8779 Electronics II 1.0 Credit Grades 10-12 **(prerequisite: Electronics I)**

This course is an advanced study of electricity and electronics. Focus will be on students' use of electronics to create complex answers to problem-solving scenarios. Typical electrical and electronic principles are covered. Practical applications including solving, breadboarding, use of test equipment, simple robotics, and printed circuit board assembly will also be covered. This course will also focus on covering advanced concepts of electricity and its applications within our society.

8753 Digital Photography & Screen Printing **0.5 Credit Grades 9-12**

This course is open to all students interested in digital photography, image and video clip editing, basic animation, and textile screen printing. Adobe Photoshop CS3, Windows Movie Maker II, Microsoft Power Point and Word 2007 will be utilized to create and present a variety of class projects. Projects will include, but are not limited to: image enhancement, synthetic images, posters, cards and stationary, T-shirts, and portfolio development. The screen printing unit is based on computer graphic design techniques, photo emulsion screen preparation, and textile printing. **Students who wish to repeat this course for credit may do so only with teacher recommendation.**

8783 Computer-Aided Drafting I **1.0 Credit Grades 9-12**

This course provides students with the concepts and skills necessary for the creation of technical designs and drawings. Drafting skills are developed through the use of both freehand and computer-assisted drawings. The course covers applied drafting concepts appropriate for designs in manufacturing, architectural, mechanical, and civil engineering.

(Note: This course may also be used to satisfy the Computer Technology Elective requirement – see p. 3)

8785 Computer-Aided Drafting II **1.0 Credit Grades 10-12** **(prerequisite: Computer-Aided Drafting I)**

This is a course in computer-aided design and drafting using two-dimensional orthographic projection drawing techniques. Emphasis will be placed on personal computer based CAD systems through a series of increasingly difficult drafting assignments culminating in a presentation quality final project and portfolio of completed drawings.

8787 Computer-Aided Drafting III **1.0 Credit Grades 11-12** **(prerequisite: Computer-Aided Drafting II)**

This course provides instruction in advanced computer-aided drafting techniques in addition to creation of three-dimensional drawings. Students progress from two-dimensional projection to wire frame, surface modeling, solids modeling, and rendering. Emphasis will be placed on personal computer based CAD systems through a series of increasingly difficult drafting assignments culminating in a presentation quality final project and portfolio of completed drawings.

8759 Energy and Power Technology **0.5 Credit Grades 9-12**

This course is open to all students interested in technology and its applications in our changing world. Students will use computer and internet resources to explore and apply problem-solving strategies, communication mediums, materials processing, structural analysis, energy, electronics theory, basic constructions and mechanical concepts.

WORLD LANGUAGES

9561 German I 1.0 Credit Grades 9-12

German I is an academic introduction into the cultures of Germany, Switzerland, and Austria. Discussing school, talking about music and sports, and getting together with friends are all part of the first year experiences. Cultural events such as Oktoberfest are celebrated. This course is focused on basic vocabulary and expressions.

9563 German II 1.0 Credit Grades 9-12 (prerequisite: at least 80% in German I is strongly recommended)

German II continues the appreciation for the Germanic perspective on life. Readings on travel, clothing, food, and opportunities for active participation guarantee that the student will feel at ease in a German speaking country. Students will have the opportunity to sample German foods, research German clothing, and design the house of their dreams. This course is focused on expanding vocabulary and learning the grammar needed to create past, present, and future – tense sentences.

9565 German III 1.0 Credit Grades 10-12 (prerequisite: at least 80% in German II is strongly recommended)

German III is designed to prepare the student for travel. Airport, hotel, and sightseeing vocabularies are presented. Reading skills are enhanced by short stories. Complex and sophisticated communication skills will be gradually developed in this course. Videos and the internet will also be used to enhance the learning experience.

9567 German IV 1.0 Credit Grades 11-12

9562 Honors German IV 1.0 Credit Grades 11-12 (prerequisite: at least 80% in German III is strongly recommended)

German IV is an advanced course designed to develop maximum speaking proficiency. Units of study include: the Grimm fairy tales, German music, history, and holiday celebrations. **Students will have the option of taking this course as an honors level course within the traditional level IV class. Independent projects and work outside the classroom experience will be required to receive weighted credit value.**

9582 Honors German V 1.0 Credit Grade 12 (prerequisite: minimum 80% in German IV, and/or teacher recommendation)

German V focuses on texts, and audio and video recordings in the authentic language in order to acquire a deeper understanding of the current German language and culture. Students will be required to produce the German language in both speaking and writing. By the end of the course, students will be capable of comprehending a variety of authentic texts and the daily spoken language, and communicating their basic thoughts, ideas, and information in German.

9551 French I 1.0 Credit Grades 9-12

French I is an introduction to the French language and culture. The focus of this course will be using basic vocabulary and standard sentence structure for verbal and written comprehension and production. By the end of this course, students will be expected to be able to respond to questions in complete sentences, as well as converse at an elementary level through guided dialogue.

9553 French II 1.0 Credit Grades 9-12 (prerequisite: at least 80 % in French I)

French II begins where French I ended. The course will increase students' vocabulary and grammatical "connaissances" as well as their ability to respond to more complex questions. Additionally, students will learn how to gather information and decipher new vocabulary and grammatical concepts through context. Although usually guided, speaking will offer more opportunities for varied and "ad-libbed" responses.

9555 French III 1.0 Credit Grades 10-12 (prerequisite: at least 80 % in French II)

French III continues to expand upon vocabulary and grammatical concepts. Topics are now covered in more depth and will require detail-oriented thought and execution. Students will read short texts and work to improve pronunciation and intonation via self-recordings. By the end of this course, students will be expected to be able to use a variety of verb tenses to express themselves in verbal and written communications.

9557 French IV 1.0 Credit Grades 11-12

9552 Honors French IV 1.0 Credit Grades 11-12 (prerequisite: at least 80 % in French III)

French IV offers students a cultural and historic overview of France and her people. Original and creative expression is stressed for proficiency in all aspects of language learning. Students will be required to speak French in class and will be urged to speak French with their teacher and classmates outside of the class. An important goal of this course is to equip students of French to travel to a French-speaking country, communicate with the citizenry, and be knowledgeable about the mores and customs of that society. There will continue to be a heavy emphasis on French and Francophone culture.

9572 Honors French V 1.0 Credit Grade 12 (prerequisite: minimum 80% in French IV, and/or teacher recommendation)

French V focuses on texts, and audio and video recordings in the authentic language in order to acquire a deeper understanding of the current French language and culture. Students will be required to produce the French language in both speaking and writing. By the end of the course, students will be capable of comprehending a variety of authentic texts and the daily spoken language, and communicating their basic thoughts, ideas, and information in French.

8541 Spanish I 1.0 Credit Grades 9-10

9541 Spanish I 1.0 Credit Grades 11-12

Spanish I is an academic course which stresses pronunciation, vocabulary building, grammar mastery, oral proficiency, and cultural appreciation. Classroom activities include daily oral and written vocabulary and grammar drills, conversation practice, oral and written presentations, skits, and review activities, etc. Students are expected to develop disciplined study habits.

8543 Spanish II 1.0 Credit Grades 9-10

9543 Spanish II 1.0 Credit Grades 11-12

(prerequisite: at least 80% in Spanish I is strongly recommended)

Spanish II follows the Spanish I format. Vocabulary and grammatical concepts learned in Level I form the foundation for continued study. Expectations include the ability to understand and respond to more advanced instructions in Spanish and to use the language in directed and creative speaking, reading, and written activities.

9545 Spanish III 1.0 Credit Grades 10-12

(prerequisite: at least 80% in Spanish II is strongly recommended)

Spanish III develops the proficiency of more sophisticated and complex communication skills. Grammar and vocabulary are presented with multiple examples, graphics, and visuals to illustrate all concepts clearly. Strategies for developing listening, speaking, reading, and writing skills are included in each section. Video, CD-ROM, internet, etc., will be used to enhance learning. An overview of Latin American geography, history, and literature is also presented. Come and speak Spanish!

9547 Spanish IV 1.0 Credit Grades 11-12

9542 Honors Spanish IV 1.0 Credit Grades 11-12

(prerequisite: at least 80% in Spanish III is strongly recommended)

Spanish IV develops maximum proficiency in speaking, understanding, reading, and writing the Spanish language. In addition to new and exciting vocabulary and grammar units, the course offers a thorough presentation of Spain, their people, traditions and customs, etc. An overview of Spanish history, literature, art, and geography is presented as well as specialty units on bullfighting, Christmas, travel, etc. Video, music, the internet, etc., are integrated into this course to enhance the learning process. Be prepared to speak Spanish. **Honors Spanish IV will also include at least one project per marking period. (e.g. create a newspaper, board game, conduct an interview, etc ...)**

9592 Honors Spanish V 1.0 Credit Grade 12
(prerequisite: minimum 80% in Spanish IV, and/or teacher recommendation)

Spanish V focuses on texts, and audio and video recordings in the authentic language in order to acquire a deeper understanding of the current Spanish language and culture. Students will be required to produce the Spanish language in both speaking and writing. By the end of the course, students will be capable of comprehending a variety of authentic texts and the daily spoken language, and communicating their basic thoughts, ideas, and information in Spanish.

9531 Russian I 1.0 Credit Grades 9-12

This course is an academic course which stresses pronunciation, vocabulary building, grammar mastery, and cultural appreciation. Classroom activities include oral grammar drills, conversation, and oral presentation of dialogues. Students are expected to develop disciplined study habits.

9533 Russian II 1.0 Credit Grades 10-12

Russian II follows the format of Russian I. Vocabulary and grammatical concepts learned in Russian I will form the foundation for continued study. Language usage through oral and written activities will be practiced.

9535 Russian III 1.0 Credit Grades 11-12

Russian III develops the proficiency of more sophisticated communication skills. Grammar and vocabulary continue to be the focus, while an introduction to Russian history, geography, and literature will also be presented.

ADDITIONAL EDUCATION COURSES AND PROGRAMS

Special Education Programs

The Special Education Department offers a full range of programs and services to meet the specialized needs of our students. A student's specific needs are identified in an Individualized Educational Plan (IEP). The IEP also identifies programs and services that include both specialized and regular courses which will meet the identified needs. A student becomes eligible for graduation after meeting the goals and objectives identified in his/her IEP. A student cannot elect to enroll in Special Education. However, a parent can request a Multi-Disciplinary evaluation. This evaluation will determine if a student is exceptional and subsequently eligible for these programs and services.

Summer School

Students may pursue credit courses in an approved summer school for original credit (for a course that has not been previously taken) and for make-up (to improve a grade in a course that has been previously taken). Students taking an original credit course must have prior administrative approval. Information concerning summer school programs is distributed before the end of the school year. Students may not take any course during the summer (tutoring, summer school or college level) without prior approval from the administration. This includes courses taken for acceleration. Students who choose to take advantage of this opportunity do so at their own expense.

Tutoring

Students desiring private tutoring in place of Summer School must have prior approval of the administration. The PA Department of Education must certify the teacher in the subject area to be tutored. The tutor must give the departmental mid-term and final exams in the tutored subject. The following hours of instruction are required for tutoring a make-up course: 1.0 credit - 30 hours; 0.5 credit - 16 hours. The tutor shall require of the student at least an equal number of hours of study and preparation in addition to the actual tutoring. Original credit tutoring requires 60 hours of instruction for 1.0 credit courses and 30 hours of instruction for 0.5 credit courses. Students who choose to take advantage of this opportunity do so at their own expense.

Early College Enrollment

A student will be eligible for college enrollment upon successful completion of all adopted Pennsylvania State standards. A score of at least 1100 on the SAT and a cumulative NPA of at least 85 must be attained in addition to scoring at the state-designated proficient level or above on all PSSA tests taken during her or his Junior year. Documentation of intent to attend college as a full-time student (at least 12 credits per semester for one year) as well as a personal interview with the student's guidance counselor must take place prior to the start of the Senior year. During the interview process, a contract stating specific graduation requirements to be met will be developed. Upon successful completion of the contract, Coatesville Area Senior High School will issue a diploma when all graduation requirements have been fulfilled. Any student who does not successfully complete his or her freshman year must return to Coatesville to complete his or her Senior year or, he or she must take the G.E.D. exam. Students participating in this program will be eligible to be pictured in the yearbook, to attend the Senior Prom, and to march in June's graduation ceremony.

Early College Course Options

The opportunity is available for high school students to take college level courses for college credit. Several colleges have agreed to permit qualified high school students to enroll in individual courses during the regular school year and/or the summer session. Prior approval by the student's guidance counselor is required. Students who choose to take advantage of this opportunity do so at their own expense.

Early Release

As a senior, a student will be permitted to leave the campus at the conclusion of the next to the last period of the day with the intent to work, receive college credit, perform community service, and/or to pursue career exploration. In order to participate in this program, a student must fulfill her or his graduation requirements. In addition, the student must have completed all parts of the PSSA tests during his or her Junior year and score at the state-designated proficient levels.

Grade 12