

INTRODUCTION

As you make use of this guide you are participating in one of the most important activities of your school career and maybe even your life: the selection of your courses for next year. Why is this activity so important? Simply speaking, your choices can impact your academic career here at AHS as well as choices you'll ultimately have related to your continuing education and eventual career path.

Our primary goal at Audubon High School is to help you make a smooth transition from high school to the real world you will face upon graduation. More than anything all of us, including members of the Staff, Faculty, and Administration, want you to experience great success in everything you do throughout your life. With this in mind, we are continually reviewing our course offerings and revising them to meet the changing needs of you, our students.

Additionally, the counseling staff is available to meet with you and your parents whose support is absolutely essential to your success, to discuss and provide information pertaining to the course selection process. You are encouraged to make use of them as a resource.

Counselors for the 2010-2011 academic year are:

Grades 7, 8 and 9 (A-K)	Mr. John Skrabonja
Grades 7, 8 and 9 (L-Z)	Mrs. Wendy VanFossen
Grades 10, 11 and 12 (A-K)	Mrs. Bonnie Smeltzer
Grades 10, 11 and 12 (L-Z)	Mr. Michael Tomasetti

Please feel free to contact any of the counselors or myself to assist you in this important process.

Good luck!

Sincerely,

Suzanne L. McKenna
Assistant Principal--Student Personnel Services

Audubon School District Mission Statement

In partnership with our students, families, and communities, the Audubon Public Schools will educate all students by providing motivating and challenging learning experiences that prepare them to achieve the New Jersey Core Curriculum Content Standards at all grade levels, in a safe setting of mutual respect in order to develop ethical, productive citizens who will contribute to the local and global community.

HIGH SCHOOL PLUS PROGRAM

Once again this year juniors and seniors will be able to take courses here at AHS and receive college credit at Camden County College through the High School Plus program. Students may receive credit for the following courses: Elementary French/Spanish I and II; Anatomy (science elective); and U.S. History II (AP). Credits received through this program are eligible for transfer to the college or university the student actually attends. There is a cost per course for participation in this program. See Mrs. McKenna for additional information.

ADVANCED PLACEMENT

The following courses have been approved by the College Board as Advanced Placement courses: AP Biology; AP Chemistry; AP Calculus; AP English Language and Composition; AP English Literature and Composition; AP French Language; AP Spanish Language; AP United States History. The curriculum for these courses prepares students to take the AP Exams, which are administered at AHS in May. Students who pass an AP Exam may earn college credit for the high school course. **In order to receive AP weight for this course students must take the corresponding AP exam in May. Students who do not take the AP exam will receive honors weight for this course. See Mrs. McKenna for additional information about the Advanced Placement program.**

NCAA ATHLETIC ELIGIBILITY REQUIREMENTS

Visit www.ncaaclearinghouse.net

COURSE MASTER LIST

<u>COURSE</u>	<u>GRADE</u>	<u>PREREQUISITE</u>	<u>PAGE</u>
Language Arts:			2-1
Language Arts 7 (G,R,H)	7	--- (1)	
Language Arts 8 (G,R,H)	8	Lang. Arts 7 (1)	
English I (G,CP,H)	9	Lang. Arts 8 (1)	
English II (G,CP,H)	10	English I (1)	
English III (G,CP,H)	11	English II (1)	
English IV (HSPA,G,CP,H)	12	English III (1)	
English (AP) (Jr & Sr Levels)	12	English II or III (H)	
Creative Expression I & II	11,12	---	
Intro to Drama & Theatre	11,12	---	
Yearbook Design & Production	7,8,9,10,11,12	---	
Social Studies:			3-1
7 th gr. Social Studies (G,R)	7	---	
8 th gr. Social Studies (G,R,H)	8	---	
World History (G,CP,H)	9	---	
U.S. History I (G,CP,H)	10	---	
U.S. History II (G,CP,H)	11	U.S. I	
U.S. History (AP)	11,12	U.S. I and U.S. II (H)	
International Relations (G,CP,H)	12	U.S. II	
Sociology	11,12	---	
Family Law (One semester)	10,11,12	---	
Criminal and Civil Law	10,11,12	---	
Mathematics:			4-1
NJASK Math 7	7	(7)	
Math 7 (R,H)	7	(7)	
NJASK Math 8	8	(7)	
Math 8 (R)	8	(7)	
Algebra I (H)	8	(6)	
HSPA Math I	9	(7)	
HSPA Math II	10	(7)	
HSPA Math III	11	(7)	
HSPA Math IV	12	(7)	
Integrated Math I	9	(5)	
Integrated Math II	10	(5)	
Integrated Math III	11	(5)	
Algebra I (CP)	9,10,11,12	"C" in Math 8 (5)	
Plane & Solid Geometry (CP)	10,11,12	(5)	
Plane & Solid Geometry (H)	10	(5)	
Algebra II (H)	9	(5)	
Algebra II (CP)	11,12	(5)	
Pre-Calculus (CP)	11,12	(5)	

<u>COURSE</u>	<u>GRADE</u>	<u>PREREQUISITE</u>	<u>PAGE</u>
Mathematics:			4-1
Pre-Calculus (H)	11	(5)	
Calculus (H)	12	(5)	
AP Calculus AB	12	(5)	
Basic Coll. Placement Prep	12	(5)	
Authentic Math Applications	12	(5)	
Computer Programming I	10,11,12	---	
Science:			5-1
Life Science (G,R.)	7	---	
Physical Science (G,R,H)	8	---	
Earth Science (G,CP)	9	---	
Biology (H)	9	(5)	
Biology (G,CP)	10		
Chemistry (G,CP,H)	10,11	(5)	
Chemistry (AP)	11,12	(5)	
Physics (H)	11,12	(5)	
Anatomy (H)	11,12	(5)	
Forensics (G)	11,12	(5)	
Introduction to Forensics (H)	11,12	(5)	
Biology (AP)	11,12	(5)	
Business Education:			6-1
Intro Computer Applications	9,10,11,12	---	
Adv. Computer Applications	9 ⁽¹¹⁾ ,10,11,12	(5)	
E-Commerce	9,10,11,12	---	
Business Economics/ Marketing I	9,10,11,12	---	
Marketing Education II	10,11,12	Bus. Economics/ Marketing Ed I	
Accounting	9,10,11,12		
World Language:			7-1
Cycle 7 & Cycle 8 Spanish	7,8	---	
Orien. to Cultural Differences	7,8	---	
World Language Level I (G,CP)	8,9,10,11	---	
World Language Level II (G,CP)	9,10,11,12	Language Level I	
World Language Level III	10,11,12	Language Level II	
World Language Level IV	11,12	Language Level III	
World Language Level V	12	Language Level IV	
French (AP)	12	Language Level III or IV	
Spanish (AP)	12	Language Level III or IV	

<u>COURSE</u>	<u>GRADE</u>	<u>PREREQUISITE</u>	<u>PAGE</u>
Art:			8-1
Elements of Art	7,8	---	
Elements of Art Studio	8	(5)	
Fundamentals of Art & Design	9,10,11 (2)	---	
What's Art About	9,10,11,12	---	
The Art in Architecture: From Design to Construction	10,11,12		
Creative Art	9,10,11,12	---	
Materials & Techniques	10,11,12	Fund. of Art	
Adv. Ceramics & Sculpture	10,11,12	(5)	
Adv. Studio & Design Workshop	11,12	Fund. of Art & one other Art elective	
Portfolio Preparation	12	2 yrs. of Art Courses	
Music:			8-4
Junior High Band	7,8	--- (10)	
Junior High Chorus	7,8	--- (9)	
Junior High Band & Chorus	7,8	--- (9) (10)	
Senior High Concert Band	9,10,11,12	--- (10)	
Senior High Concert Choir	9,10,11,12	--- (9)	
Senior High Band & Choir	9,10,11,12	--- (9) (10)	
The Arts of Musical Theatre	10,11,12	---	
Music Theory I ⁽⁸⁾ ('11-12)	11,12	--- (11) (12)	
Consumer Science:			9-1
Skills for Living	9,10,11,12	---	
Economics for Consumers (One Semester)	10,11,12	---	
Technology Education:			9-2
Creative Technology	7	---	
Orien to Technology Education	8	---	
Graphics Communications I ⁽³⁾	9,10,11 (2)	---	
Graphics Communications II ⁽³⁾	10,11,12	Graphics I ⁽⁵⁾	
Graphics Communications III ⁽³⁾	11,12	Graphics II ⁽⁵⁾	
Tech Design	9,10,11 (2)	--- (3)	
The Art in Architecture: From Design to Construction	10,11,12		
Computer Aided Design I ⁽³⁾	10,11,12	Tech Design ⁽⁵⁾	
Computer Aided Design II ⁽³⁾	11,12	Comp Aided Design I ⁽⁵⁾	
3D/Animation Design	10,11,12	Tech Design ⁽⁵⁾	
Woodwork I	9,10,11 (2)	---	

<u>COURSE</u>	<u>GRADE</u>	<u>PREREQUISITE</u>	<u>PAGE</u>
Technology Education:			9-2
Woodwork II	10,11,12	Woodwork I ⁽⁵⁾	
Woodwork III	11,12	Woodwork II ⁽⁵⁾	
Wood IV-Const. Tech.	12	Woodwork III ⁽⁵⁾	
Physical Education:			10-1
Physical Education 7	7	---	
Health 7	7	---	
Physical Education 8	8	---	
Health 8	8	---	
Physical Education 9	9	---	
Health 9	9	---	
Physical Education 10	10	---	
Health 10	10	---	
Physical Education 11	11	---	
Health 11	11	---	
Physical Education 12	12	---	
Health 12	12	---	
Eighth Grade Cycle Program:			11-1
Social Skills	8	---	
Language Arts Literacy	8	---	
Music	8	---	
Basic Computer Applications	8	---	
Cycle 8 Spanish	8	---	

Notes:

- (1) Basic Skills (BS) is state/local mandated.
- (2) Seniors on a space available basis only.
- (3) Option for 2+2 at Camden County College.
- (4) Independent study course - by application only.
- (5) See course descriptions for specific prerequisites.
- (6) By teacher recommendation only.
- (7) State/local mandates.
- (8) Offered in alternate years.
- (9) By audition only.
- (10) Knowledge of a musical instrument required.
- (11) Recommendation from the instructor required for enrollment.
- (12) Application and interview process.

Graduation Requirements

Classes of 2011-2013

The AHS Classes of 2011, 2012, and 2013 must meet all of the following requirements

Students must earn 110 credits including the following:

- 20 credits in English;
- 15 credits in mathematics;
- 15 credits in science;
- 15 credits in social studies including 10 credits in United States History and five credits in World History;
- 5 credits in visual and performing arts;
- 5 credits in career education and consumer, family, and life skills, or vocational-technical education;
- 5 credits in world languages.

In addition, students must pass physical education and health each year.

Students must also pass all sections of the High School Proficiency Assessment (HSPA).

Students must meet all requirements related to attendance.

All courses at Audubon High School are designed to address skills delineated in the New Jersey Core Curriculum Content Standards, either through direct instruction or through infusion. Students who follow the educational program prescribed by their counselors will be prepared to meet success on state-mandated assessments.

The AHS Classes of 2014 and 2015 must also take a 2.5 credit course in Economics.

It should be noted that the State of New Jersey is in the process of redesigning state graduation requirements. With this in mind, students entering grades seven and eight may be expected to take additional credits in specific areas of the curriculum. For example, in preparation for state-mandated End of Course exams, students may be required to take Algebra I and II, Lab Biology, and Lab Chemistry. We will keep students and parents informed of changes as they occur.

Graduation Requirements

Class of 2014

The AHS Class of 2014 must meet all of the following requirements

Students must earn 120 credits including the following:

- 20 credits in English;
- 15 credits in mathematics;
- 15 credits in science (2 Lab Sciences-Lab Biology, Lab Chemistry);
- 15 credits in social studies including 10 credits in United States History and five credits in World History;
- 5 credits in visual and performing arts;
- 5 credits in career education and consumer, family, and life skills, or vocational-technical education;
- 5 credits in world languages;
- 2.5 credits in economics.

In addition, students must pass physical education and health each year.

Students must also pass all sections of the High School Proficiency Assessment (HSPA).

Students must meet all requirements related to attendance.

All courses at Audubon High School are designed to address skills delineated in the New Jersey Core Curriculum Content Standards, either through direct instruction or through infusion. Students who follow the educational program prescribed by their counselors will be prepared to meet success on state-mandated assessments.

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ENGLISH

Students are required to take English each year to fulfill state and local requirements for graduation. Each course is offered for an entire year, and placement in a specific course is determined by past performance in English class, teacher recommendation, and scores on standardized tests. Although the emphasis changes throughout the program, all six levels of English emphasize skills as outlined in the New Jersey Core Curriculum Standards: reading, writing, speaking, listening and viewing.

Students in grades 9-10 will be offered three levels: General, College Preparatory and Honors. Students in grade 11 will be offered four levels: General, College Preparatory, Honors, and AP. Students in grade 12 will be offered five levels: HSPA/AHSA, General, College Preparatory, Honors, and AP.

In order to be placed into an **AP or HONORS ENGLISH** class, a student must first make a request for placement to his or her counselor. At this point, standardized test scores (such as the NJASK or HSPA) will be consulted to determine the student's reading comprehension level and writing ability. In addition, teachers will be asked to make recommendations for placement in AP and honors courses, and grades received in previous English classes will be considered. Area Supervisor approval could also be required before placement into an AP or honors section, as well as the submission of a portfolio of written work. Most important, a student must desire placement into an honors class. Although the course content of a particular level of English will be similar, an honors student will be expected to demonstrate an active, independent interest in the investigation of ideas and concepts. He or she will be expected to think critically and to demonstrate versatility in the craft of writing. In-depth readings (often outside), research, and writing will be required of a student in an honors level course.

COLLEGE PREPARATORY ENGLISH will be offered to students in grades 9-12 who are not enrolled in Honors English, yet plan to attend college upon graduation from high school. Although the curriculum will be similar to the honors course, particular attention will be given to strengthening skills students will need for English courses they will be required to take in college.

GENERAL ENGLISH will be offered to students who need skill reinforcement in the areas of reading and writing. The curriculum will parallel that of the college preparatory and honors courses with an emphasis on skill development in communication skills. General English prepares students for any post secondary training or job as well as for college, although students who take general English most often continue their education at a community or junior college.

HSPA ENGLISH will be required for students who fail to demonstrate proficiency (a score of 200 or better) on the Language Arts section of a state-mandated test. Through this course students will receive instruction in the language arts-related skills they need to achieve a passing score on the test. Students would take this class in addition to their regular English class.

ENGLISH I

In this course students will develop an awareness of the structure of major literary genres. Students will become familiar with the short story, poetry, drama, and the novel. They will also study aspects of life in various parts of the world, both past and present, as they are portrayed in literature. Students will also practice the skills they need to achieve a "proficient" score on the HSPA.

English I also contains formal instruction in writing and grammar. Students on all levels of instruction are required to produce a full-length research paper. Also, several shorter pieces using process writing will be produced.

Students placed into **general** sections will receive more intensive instruction in the basic skills cited above. Students placed into **honors** sections can expect a brief review of these skills, followed by more intensive instruction in literature and formal writing. Critical thinking skills will also be emphasized.

ENGLISH II

The goal of the English II program is to introduce students to the canon of World literature in various genres in order to broaden their cultural knowledge and reading skills.

Writing skills will be assessed primarily through formal analysis papers based on literature although various smaller, informal written pieces may also be assigned. Vocabulary will be studied through the students' vocabulary text. Grammar and usage will be emphasized in composition. In addition, attention will be given to developing and refining listening skills. Memorization of short selections from literature may also be required. A lengthy writing assignment that combines elements of literary analysis and formal research will be a requirement of the course.

Students will also continue to practice all skills necessary for them to be successful on the eleventh grade HSPA. Appropriate instructional strategies (sustained silent reading, journal writing, holistic scoring) will be used for this.

Students placed into a **general** section will receive more intensive instruction in the fundamentals of the English language. The emphasis will be placed on reading and vocabulary development. Lessons on business communication will include instruction in the completion of job applications and other forms as well.

Students placed into **honors** sections will explore, in depth, writing. The short, critical essay will also be studied as students begin to develop writing skills they will need for college. The honors program aims to give students a better understanding of the diverse world in which they live, with an emphasis on the development of western culture, and to prepare them in the skills of communication necessary for success in endeavors after high school.

ENGLISH III

The goal of the English III program is to instruct students in what it means to be an American through a chronological survey of American literature from the Colonial period to the modern era. The study of various genres of American literature will serve to strengthen fundamental reading skills as well. The literature text will be supplemented by full length readings.

Writing skills will be strengthened as students write short papers related to the literature studied. Both the expository and argumentative essay forms will be stressed as well as critical and analytical writing, as students develop skills in interpreting poetry.

The study of usage, in addition to pure grammar, will be incorporated into writing assignments. Attention will be given to business letters and applications as well as to practical communication.

The study of vocabulary is focused on words found in the literature text and on supplementary lists (SAT vocabulary, for example). Students will be required to derive meanings from words in context, memorize the definitions of words and their synonyms and use the words in original sentences.

Students placed into **general** sections will receive more intensive instruction in the fundamentals of the English language in preparation for taking the HSPA.

ENGLISH III AP—ENGLISH LANGUAGE AND COMPOSITION (May be taken in place of English III H)

AP courses are for strongly motivated students who wish to complete meaningful elements of college level studies and potentially earn three college credits while still in high school. Through this course students will develop skills necessary to analyze prose passages and demonstrate their knowledge and understanding by writing essays in various rhetorical modes. In addition to acquiring the skills and knowledge needed to pass the AP Exam, students will also be encouraged to synthesize information from a variety of sources to inform their own discussion of a topic.

In order to receive AP weight for this course students must take the corresponding AP exam in May. Students who do not take the AP exam will receive honors weight for this course. Students who need financial assistance to take the test should see Mrs. McKenna.

ENGLISH IV

The goal of the English IV program is to encourage students to assimilate all knowledge and skills instructed in previous levels of English in preparation for the world that will face them upon graduation from high school. An understanding of the fundamentals of oral and written communication is a prerequisite for the senior student. Literary units will focus on masterpieces from British literature and contemporary young adult fiction. The major purpose of the senior course is to polish these fundamental skills for use in more intricate, adult applications. Extensive practice is given in all types of communication, both written and oral. Composition emphasizes practice in writing applications for college and jobs, as well as other business communications. Vocabulary is studied in conjunction with SAT preparation, and used in writing assignments in an effort to offer an integrated course to students. The literature for the senior course will consist of contemporary and multi-cultural works. These readings will be used as part of a year-long unit on redemption, come from a variety of cultural perspectives and demand that students approach such work with maturity, responsibility, and thoughtfulness.

Formal compositions will be written in accordance with college standards and will be written in a variety of ways—research based, analytical, persuasive, short answer, et al. There will be a review of paper mechanics, punctuation, vocabulary and spelling, and composition form.

Students placed into an **honors** section will refine skills necessary for success as they continue their education beyond high school. Critical thinking skills will be emphasized both in composition and discussion. Students will be required to submit written reports or present oral reports on controversial topics that involve contemporary social issues. Composition assignments will include both creative and analytic writing. In addition, students will practice business-related writing skills, including job applications and college applications. The ability to interpret and discover the significance of events will be of more importance than the memorization of facts. Honors level students will share

the literary curriculum with the college prep section; however, the assessment and requirements of which will be more in depth and will focus more on students' ability to dissect, deconstruct, and analyze at a level appropriate for a college course.

Students placed into **general** sections will receive intensive instruction in skill areas that continue to cause them difficulty. Vocabulary lessons, homework assignments, and class projects are constructed around a need for relevancy and practicality. Composition will include practice in letter writing. Listening and general communication skills will be emphasized as well. High-interest reading selections will be assigned to induce comprehension and provide the basis for class discussions.

HSPA ENGLISH IV will be required for seniors who fail to demonstrate proficiency (a score of 200 or better) on the Language Arts section of the HSPA in March of their junior year. Not only will students receive instruction in the skills they need to pass the test when it is re-administered in the senior year, they will also participate in the Special Review Assessment, which is an alternate assessment that will allow students to meet the state graduation requirement. This class will be taken in addition to the student's regular English class.

ENGLISH IV AP - ENGLISH LITERATURE AND COMPOSITION - (May be taken in place of English IV H)

AP courses are for strongly motivated students who wish to complete meaningful elements of college level studies and potentially earn three college credits while still in high school. They are designed to prepare students for the AP Exam without losing sight of the more intangible goals such as: creating life-long readers, critical and creative thinkers, productive and social citizens, and young men and women of integrity and dignity. Through this course students will develop the skills and knowledge to analyze selected poems and prose passages and write critical or analytical essays based on poems, prose passages, novels or plays.

In order to receive AP weight for this course students must take the corresponding AP exam in May. Students who do not take the AP exam will receive honors weight for this course. Students who need financial assistance to take the test should see Mrs. McKenna.

CREATIVE EXPRESSION I & II - Grades 11, 12

This course, open to junior and senior students, is designed to instruct and involve students in the arts of both creative and journalistic writing. An interest in writing and a desire to write are prerequisites for this course.

Students taking Creative Expressions I & II will create, develop, write, design, and produce an informative and reputable newspaper. Students will be able to identify and implement journalistic techniques including story development, appropriate questioning, research methodology, layout design, and editing. Students will be expected to produce between five and seven issues of the school's newspaper, *The Parrot*.

In addition, students will explore the creative writing arena through the production of a biannual literary magazine, *The Published Mind*. Students will be responsible for the creation and development of a school-wide literary magazine that includes poetry, short stories, artwork, photography, and essays. Students will be provided with examples of various forms of creative writing from the world's foremost poets, short story writers, essayists, etc. in an effort to increase the quality of the magazine.

The primary purpose of the course is to increase the student's ability to write for a variety of different purposes and audiences. An increased focus on semantics, grammar, usage, and mechanics also provide the student with a foundation on which to build an impressive writing style and portfolio, both of which will be invaluable in college.

INTRODUCTION TO DRAMA AND THEATRE—Grades 11, 12

This elective course will allow students to explore and develop their own creative potential in the areas of mime, oral interpretation of literature, improvisation, and basic acting. Concurrently, students will learn to critique their own and others' strengths and skills in each area. Almost all assessments, including the midterm and final, are solo or small group performances; however, a journal of reactions to their own and others' performances as well as reactions to ideas presented in class will also be used for assessment. This course will meet the state graduation requirements for the Visual and Performing Arts.

YEARBOOK DESIGN AND PRODUCTION – Grades 7, 8, 9, 10, 11, 12

This course is designed to introduce the student to every aspect of the design and production of a quality publication. Students will learn basic principles of digital photography, journalistic writing, and publication design and layout. The yearbook student will also learn how to utilize a computer and a sophisticated series of computer programs (InDesign and Photoshop) to produce a publication. Students who participate in yearbook will also be involved in planning, designing and implementing ideas, topics and designs for inclusion in *LeSouvenir*, Audubon High School's award winning yearbook. Students will be required to work collaboratively, and students will be expected to work under the pressure of a deadline.

LANGUAGE ARTS

Students are required to take Language Arts each year to fulfill state and local requirements for graduation. Each course is offered for an entire year, and placement in a specific course is determined by past performance, teacher recommendation, and scores on standardized tests. Although the emphasis changes throughout the program, all six levels of Language Arts emphasize skills in the areas of writing, reading, grammar and usage, vocabulary and spelling, research, studying, thinking, speaking, and listening.

Students in grades 7 and 8 will be offered three levels of Language Arts: Basic Skills, Regular, and Honors.

In order to be placed into an **HONORS** class, a student must first make a request for placement to his or her counselor. At this point, standardized test scores (such as the NJASK or HSPA) will be consulted to determine the student's reading comprehension level and writing ability. In addition, teachers will be asked to make recommendations for placement in honors courses, and grades received in previous Language Arts classes will be considered. Area Supervisor approval could also be required before placement into an honors section, as well as a writing sample. Most important, a student must desire placement into an honors class. Although the course content of a particular level of Language Arts will be similar, an honors student will be expected to demonstrate an active, independent interest in the investigation of ideas and concepts. He or she will be expected to think critically and to demonstrate versatility in the craft of writing. In-depth readings (often outside), research, and writing will be required of a student in an honors level course.

REGULAR LANGUAGE ARTS will be offered to students in grades 7-8 who are not enrolled in Honors Language Arts, yet demonstrate adequate skills in reading and writing. Although the curriculum will be similar to the honors course, particular attention will be given to strengthen skills students will need for English courses they will be required to take in preparation for continuing their education beyond high school and for passing the NJASK in 8th grade and the HSPA in 11th grade. NJASK scores and classroom performance will determine English placement for 9th grade.

BASIC SKILLS LANGUAGE ARTS will be offered to those students whose scores on standardized tests mandate their enrollment in remediation courses. Emphasis will be placed on skills needed to achieve an acceptable score on state-mandated tests. Students will experience reading selections representative of the types of passages that appear on the tests. They will also practice writing for a specific audience and purpose. They will also follow the corresponding literature curriculum and become familiar with a variety of genres. As space permits, basic skills Language Arts will also be offered to students who exhibit a deficiency in basic skills even though they have passed the state-mandated tests. These students will be placed in a basic skills section as a result of teacher recommendation. Students assigned to a basic skills class may have a double period of Language Arts, which may impact their elective choice.

SOCIAL STUDIES

The chief goal of social studies is to cultivate in the student a more mature understanding of our political, legal, social, and economic systems, and our cultural heritage. It is also intended to focus the students' attention on the relationship between historical events and current problems in our ever shrinking world. Students in these courses will develop skills in the problem solving process, in critical thinking, in organizing data, in decision making, and in the art of being a responsible citizen of our nation.

Mandated social studies courses will now be offered on three levels: general, college prep, and honors. In order to be placed in an honors level social studies class, a student must first make a request for placement to his or her guidance counselor. At this point, standardized test scores (such as the NJASK or HSPA) will be consulted to determine the student's reading comprehension level and writing ability. In addition, teachers will be asked to make recommendations for entrance into honors courses, and the grades received in previous social studies and English classes will be considered. Area Supervisor approval could also be required before placement. Most important, a student must desire placement into an honors class. Although material covered in the courses of study of a particular level of social studies will be similar, an honors student will be expected to investigate ideas and concepts thoroughly and to think critically. Facts will only be as important as the concepts they illustrate. In-depth readings, research, and writing will be required of a student in an honors level course. Class participation and oral expression through debate, discussions, and reports are also integral parts of the class.

If you are a sophomore who did not take a social studies course in ninth grade, in order to be placed in an honors level of U.S. History I or World History, you must have an A average in English I Honors or English I College Prep. If you do not have an A average, you must have the recommendation of your English I teacher to be placed in U.S. History I Honors or World History Honors.

A student whose reading comprehension and writing ability are weak (as indicated by standardized test scores such as the NJASK or HSPA) will be placed into a general class at the recommendation of a social studies teacher. Again, although similar material will be covered in a general class, the course of study will focus on more general information relevant to the time period being investigated. One of the goals of a general class will be to strengthen skills related to social studies (map reading, graph analysis, geography skills, organizing data, etc.).

WORLD HISTORY - Grade 9

Students who opt to take World History will fulfill one year of their three-year social studies requirements. World History will not replace either U.S. I or U.S. II.

World History will provide students with the knowledge of the past required to understand the present and hypothesize about the future. The course will emphasize the causes and impacts of major events which have shaped the contemporary world. Non-western as well as western history will be stressed. Significant themes and events in history will be discussed as well as the impact of each on the development of the world. The contributions of important people in history will also be stressed.

U.S. HISTORY I - Grade 10

This course deals with the history of the United States from the European exploration of the Western Hemisphere to the late 1800's. The course is planned to develop in the student an understanding of our political, economic and cultural growth through the nineteenth century.

Through their study students will learn the value of historical perspective. The study of American history will demonstrate to students how change in human affairs has occurred at an increasing velocity within a relatively short span of years.

U.S. HISTORY II - Grade 11

This is a survey course of American history from the late 1800's to the present. In this course we attempt to develop and analyze the liberal and conservative policies that our government has adopted at various times in order to meet our domestic and foreign responsibilities. It is stressed that over the years our government has made changes of policy within the framework of our Constitution as new issues have made it necessary to readjust our priorities in order to meet the needs of our society. A technique of relating current government policies and domestic and foreign events to past history is used to help put our country's historical past into perspective.

U.S. HISTORY AP – Grades 11, 12

Students taking U.S. History AP will receive instruction in the skills and information necessary to be successful on the AP exam which is administered in May. At Audubon High School the teacher serves as the facilitator for student success on the AP exam. In this capacity, we view this as a cooperative relationship between students and teachers. With a high score on the AP exam, students may earn college credit. The AP U.S History course at Audubon High School not only is geared to prepare students for the AP Exam, but it also provides an enriched experience in the study of America's past. Through use of historical documents and a historiographical approach, students will gain an understanding of how history works and how historians operate. Students will read various historians' interpretations of major issues in United States history, analyze documents, and write their own arguments. Prerequisites for this course include U.S. History I and U.S. History II (preferably Honors).

In order to receive AP weight for this course students must take the corresponding AP exam in May. Students who do not take the AP exam will receive honors weight for this course. Students who need financial assistance to take the test should see Mrs. McKenna.

INTERNATIONAL RELATIONS - Grade 12

This course will examine the changing world scene. It will explore current international relations and the history that has shaped those relations. It will focus, in part, on the philosophies that have been in competition, but are now in a state of flux. Students will explore the changing role of America in the world community. They will examine the new role as Americans with a vested interest and as outsiders with a more objective perspective. Threats to the "new world order" (the bomb, terrorism, arms control, the debt bomb, and economic competition) will also be studied.

Areas of concentration will include the Pacific Rim, Europe, the Commonwealth that was the Soviet Union, Africa, and the Middle East. Students will also examine the prospect of a world government and the future of international law.

SOCIOLOGY - Grades 11, 12

Sociology is a science of human behavior. It focuses on the study of man's activities as a member of a social group, investigating how group interaction shapes his behavior. Included in the study of sociology is the study of rules, organizations, customs, attitudes, and value systems that enable men to live together. Of necessity, this course requires an inter-disciplinary approach, making use of history, geography, biology, and of course, psychology.

Major topics include the structure of society and the individual's role in it and the role of groups in society. Sociology concerns itself with the study of both large and small group behavior, particularly differences between groups or between the individual and the group. This will be emphasized in dealing with major problems facing our society such as the population explosion, crime in the cities, socialization, alienation of youth, and the assimilation of minorities into society. The value of the course lies in its consideration of problems relevant to today's youth and society.

FAMILY LAW - Grades 10, 11, 12 One semester – 2.5 credits

This one semester course is designed to instruct sophomore, junior, and senior students in their rights and responsibilities as good citizens under the law. Our older students will soon become aware of the enormous power the law has over them when they leave school and begin their lives as adults in our society. They will need knowledge of the law when they decide to rent an apartment or buy a home, when they purchase insurance or contract for a service, when they marry, and should they divorce. In general, an ability to analyze, evaluate and even resolve legal disputes will help them should they encounter any one of a myriad of legal problems that can occur daily in our lives.

This course will be extremely practical, attempting to give students an understanding of many aspects of the law that will ultimately lead them to respect its role in our daily lives.

This class will be taken in conjunction with a one semester Consumer Economics class.

CRIMINAL AND CIVIL LAW - Grades 10, 11, 12

In this course sophomore, junior, and senior students will learn about "criminal" laws that regulate public conduct and prescribe duties owed by the citizen to society. They will learn the difference between misdemeanors and felonies and the penalties required for each under the law. Students will learn about precedent by studying major court cases that have withstood appeal to the Supreme Court level.

Another topic of discussion will be individual rights and liberties that are protected by the Constitution. Students will learn exactly what their "civil rights" are and what penalties are given to those who violate them. They will also learn that the totally free exercise of certain rights (freedom of speech, for example), does, in some instances, restrict the rights of others. They will learn how the courts balance one right or interest against another.

MATHEMATICS DEPARTMENT

It is the goal of the Mathematics Department to meet the individual needs of both academically and vocationally oriented students through a variety of course offerings. The department offers a program whose mastery leads to the successful completion of state-mandated tests (High School Proficiency Assessment). All students in all grades will use a calculator on a daily basis. Every effort is made to provide offerings to allow every student to reach his/her maximum potential culminating with an opportunity to earn college credits.

HSPA MATH I and II – Grades 9, 10

This course is required for freshman and sophomores who score a 205 or below on the NJASK or subsequent standardized assessments and is to be taken in addition to the student's regular math course. This course will focus on topics of numbers and numerical operations, geometry and measurement (NJCCCS 4.1 & 4.2). In the second year, the focus will be on patterns and algebra and data analysis, probability and discrete mathematics (NJCCCS 4.3 & 4.4). The course will also work to support the student's current math course, strengthen problem solving skills and build test taking skills. A test out opportunity will be provided at the end of every marking period. This course is graded Pass/Fail.

HSPA MATH III – Grade 11

This course is designed for juniors who score a 205 or below on the GEPA or subsequent standardized assessments and is to be taken in addition to the student's regular math course. This course will focus on topics of numbers and numerical operations, geometry and measurement, patterns and algebra and data analysis, probability and discrete mathematics (NJCCCS 4.1, 4.2, 4.3, & 4.4). It will also work to support the student's current math course, strengthen problem solving skills and build test taking skills. The course will run all four marking periods, with the 4th marking period being SAT Prep. This course is graded Pass/Fail. There is no test out option.

HSPA MATH IV - Grade 12

This course is required for seniors who scored partially proficient on the HSPA math section taken in March of the junior year, and may be taken in addition to a math course. Students will complete the AHSA process in math through this course, which will focus on topics of numbers and numerical operations, geometry and measurement, patterns and algebra and data analysis, probability and discrete mathematics (NJCCCS 4.1, 4.2, 4.3 & 4.4). It will also work to support the student's current math course (If one is undertaken), strengthen problem solving skills and build test taking skills. Those students who pass the October tests may drop the class when their scores are received. Those students who remain unsuccessful on the exam will continue with this class through the March test date. During the fourth marking period this class will focus on strengthening college entrance and placement exam skills. This course is graded Pass/Fail.

INTEGRATED MATHEMATICS I - Grade 9

Prerequisite: Ninth grade students taking Integrated Math I must have achieved a passing grade in 8th grade regular math or a "C" or better in 8th grade Basic Skills math. Students who failed to meet minimum proficiencies in Algebra I may also be considered.

Integrated Mathematics I introduces the fundamental topics of Algebra I and geometry including pattern recognition, basic operations with variables, measurement of segments, angles and shapes, ratios and proportions, and other foundation concepts. The course reinforces core skills and moves at a more deliberate pace than Algebra I. Students who successfully complete this course may move on to Integrated Mathematics II or may advance to Algebra I on the teacher's recommendation.

INTEGRATED MATHEMATICS II - Grade 10

Prerequisite: Students taking Integrated Math II must have achieved the minimum proficiencies of Integrated Math I. Students who passed Algebra I with a "C" or lower may also be considered for this course.

Integrated Mathematics II covers many of the traditional topics of Algebra I and geometry including: lines and slopes, systems of equations, exponents and polynomials, congruent and similar polygons, and other topics. The course also includes fundamental topics in discrete math and probability. Students who successfully complete this course may move on to Integrated Mathematics III or may advance to Algebra II or College Prep Geometry on the teacher's recommendation.

INTEGRATED MATHEMATICS III - Grades 11, 12

Prerequisite: Integrated Math II or both Algebra I and Geometry

This course is designed as a continuation and extension of the first two integrated math courses. Students will learn many of the algebraic principles associated with Algebra II, some concepts of trigonometry, advanced statistical and probability methods, three-dimensional geometry, and other topics.

ALGEBRA I CP - Grades 9, 10, 11, 12

Prerequisite: Ninth grade students electing Algebra I must have achieved at least a "B" average in Math 8 Regular. Integrated Math I (Pre-Algebra) students must achieve a "B" average in order to take Algebra I CP.

Algebra I CP introduces a new language which is used to develop an understanding of the basic structure of the real number system. One of the principal objectives of this course is to have the pupils understand and appreciate the how and why of arithmetic and mathematics through problem solving techniques. Topics included are sets, negative numbers, equations and inequalities, polynomials, fractions, graphs, the real numbers, and quadratic equations. Algebra I CP is a requirement for college bound pupils and nurses' training.

PLANE AND SOLID GEOMETRY-CP - Grades 10, 11, 12

Prerequisite: Successful completion of Algebra I with a "C" or Integrated Math I and II with teacher recommendation.

This course is designed to develop an understanding of geometry as a mathematical model of physical space. Emphasis will be placed on the meaning of deductive reasoning and mathematical proof. Major topics include congruency of triangles, parallelism, similarity, polygons and circles.

PLANE AND SOLID GEOMETRY - HONORS - Grade 10

Prerequisite: Successful completion of both Algebra I and Algebra II Honors with at least a "B+" average and teacher recommendation.

This Honors course is designed to develop an understanding of geometry as a mathematical model of physical space, i.e., an understanding of both plane and solid geometry as a natural consequence of the fact that geometry is a scientific model of three dimensional physical space. Greater emphasis will be placed on the meaning of deductive and inductive reasoning and mathematical proof.

ALGEBRA II CP - Grades 11, 12

Prerequisite: Successful completion of both Algebra I CP or H and P/S Geometry CP or H with at least a "C" average or teacher recommendation.

The Algebra II course begins with a review of basic elementary algebra; however, stress is placed on the structure of algebra as a mathematical system and deductive reasoning. Topics used to develop real number concepts and skills are: operating with integers, solution of linear equations and inequalities, verbal problems and properties of polynomials and rational expressions.

The second half of the course develops the concepts of relations and functions, emphasizing linear and quadratics, exponents, logarithms, progressions, special polynomial functions, matrices and determinants. After irrational numbers are introduced and used in these areas thus completing the real number system, the complex numbers are discussed via the imaginary numbers. Graphing calculator (TI83 plus, TI84, or TI84 plus) required.

ALGEBRA II - HONORS- Grade 9

Prerequisite: Successful completion of Algebra I Honors with at least a "B+" average and teacher recommendation.

The Honors Algebra II course begins with a review of basic elementary algebra; however, stress is placed on the structure of algebra as a mathematical system and deductive reasoning. Topics used to develop real number concepts and skills are: operations with positive and negative numbers, the solution of linear equations and inequalities, verbal problems and properties of polynomials and rational expressions.

The second half of the course develops the concepts of relation and function, emphasizing linear and quadratic types, exponents, logarithms, progressions, special polynomial functions, matrices and determinants. After the irrational numbers are introduced and used in these areas, completing the real number system, the complex numbers are discussed via the imaginary numbers. Graphing calculator (TI83 plus, TI84, or TI84 plus) required.

COMPUTER PROGRAMMING I - Grades 10, 11, 12

Prerequisite: Successful completion of Algebra I with a minimum grade of C.

This course is designed to be an introductory programming course. The concepts taught will include input/output operations, arithmetic operations, comparing, branching, array processing and string processing. Searching and sorting and file processing

topics will also be introduced. Through the use of a structured programming language, programming style and techniques will be emphasized as well as problem solving techniques and logic.

BASIC COLLEGE PLACEMENT PREP - Grade 12 Only

Prerequisite: Student who is not currently taking or has not previously taken Pre-calculus or Calculus or students who have taken general or Integrated Math courses.

This course is designed for the student who is considering attending a county or state college. Emphasis will be placed on the skills necessary to succeed in the mandated Minimum College Basic Skills Test (A New Jersey state college placement test). Additional topics of study may include personal finances, banking, insurance, purchasing, investing, and taxes.

AUTHENTIC MATH APPLICATIONS - Grade 12 Only

Prerequisite: Successful completion of Algebra II.

This course is designed to develop mathematical skills that are applicable to the consumer and the workplace. The focus will be on using mathematical operations, problem-solving techniques, estimation, geometry, data analysis, statistics and algebra to better understand and solve applications. The course will be extremely practical.

Designed for those who are proficient in algebra and geometry, this course will bring real life scenarios into the classroom to enhance the understanding of various mathematical concepts.

PRE-CALCULUS CP - Grades 11, 12

Prerequisite: Successful completion of three years of academic math including Algebra I, Geometry, Algebra II, and math teacher recommendations.

As preparation for Calculus this course will involve a formal study of trigonometry, analytic geometry and advanced algebra. A scientific calculator will be used throughout this course.

The study of trigonometry is based on a knowledge of elementary algebra and geometry. You will re-examine briefly some properties of the set of real numbers. You will study in detail circular functions and complex numbers with graphic and algebraic solutions and applications.

The study of analytic geometry will be based upon an understanding of the basic principles of algebra as they apply to analytic geometry. You will study in detail coordinate lines and planes, equations and graphics, circles, conic sections, transformations of coordinates, graphs of equations of the second degree, polar coordinates and parametric equations. The study of advanced algebra provides a rich preparation for college courses in calculus, abstract algebra and analytical geometry. You will study in detail statements and sets in mathematics, ordered fields, mathematical induction, functions, graphs of polynomial functions and exponential and logarithmic functions, their graphs and applications.

PRE-CALCULUS HONORS - Grade 11

Prerequisite: Successful completion of three years of academic math (based on teacher recommendation) including Algebra I CP or H, Geometry CP or H, and Algebra II CP or H with at least a “B+” average.

As preparation for AP Calculus this course will involve a formal study of trigonometry, analytic geometry and advanced algebra. A scientific calculator will be used throughout this course.

The study of trigonometry is based on a knowledge of elementary algebra and geometry. You will re-examine briefly some properties of the set of real numbers. You will study in detail circular functions and complex numbers with graphic and algebraic solutions and applications.

The study of analytic geometry will be based upon an understanding of the basic principles of algebra as they apply to analytic geometry. You will study in detail coordinate lines and planes, equations and graphics, circles, conic sections, transformations of coordinates, graphs of equations of the second degree, polar coordinates and parametric equations. The study of advanced algebra provides a rich preparation for college courses in calculus, abstract algebra and analytical geometry. You will study in detail statements and sets in mathematics, ordered fields, mathematical induction, functions, graphs of polynomial functions and exponential and logarithmic functions, their graphs and applications.

CALCULUS- HONORS - Grade 12

Prerequisite: Successful completion of four years of academic math (Algebra I, Plane and Solid Geometry, Pre-Calculus) with at least a “B+” average and teacher recommendation.

This syllabus will expose the students to the AP Calculus curriculum outlined by the Education Testing Service. Students taking Calculus Honors will receive instruction in the study of polynomial functions, derivatives, anti derivatives, exponential and logical functions and applications of the above.

ADVANCED PLACEMENT CALCULUS AB - Grade 12

Prerequisite: Successful completion (based on teacher recommendation) of four years of academic math (Algebra I, Algebra II, Plane & Solid Geometry, Pre-Calculus, and Trig/Analytical Geometry).

This syllabus will expose the students to the A.P. Calculus curriculum outlined by the Education Testing Service. Students taking AP Calculus will receive instruction in the skills and information necessary to be successful on the AP exam which is administered in May.

This course will include the study of polynomial functions, derivatives, anti derivatives, exponential and logical functions, and applications of both the derivatives and anti derivatives. For example, area under a curve and volumes of revolution.

In order to receive AP weight for this course students must take the corresponding AP exam in May. Students who do not take the AP exam will receive honors weight for this course. Students who need financial assistance to take the test should see Mrs. McKenna.

SCIENCE DEPARTMENT

Science is divided into two areas of learning: Physical Science and Biological Science. Physical Science is concerned with matter that is non-living, such as Physics and Chemistry. Biological Science is concerned with matter that is living including courses such as Biology/Lab, General Biology, Advanced Biology and Anatomy.

In science you will study facts which are organized into systematic and meaningful patterns developed as a result of experimentation, observation, and insight. This study will help you to become a better informed individual and to be aware of the changes going on around you due to science.

EARTH SCIENCE CP and G - Grade 9

Effective the 2002-03 school year all freshman taking a college prep or general level of science will be required to take Earth Science. This course will focus on four main content areas: Basics of Geology; Ocean Studies; Meteorology (weather studies); Astronomy. The development and use of technology in these areas will also be introduced. Through class activities that encourage problem solving, discussion, research and cooperative activities, students will further develop and expand their skills in critical thinking and decision making.

GENERAL BIOLOGY - NO LAB - Grade 10

Prerequisite: Currently taking Pre-Algebra or Math I and completion of General Physical Science or have received a grade of "D" or below in Regular Physical Science.

General Biology explores the study of living things in logical progression from the simple virus to the most complex of life forms-the human body. Students will be shown the importance of a sound biological knowledge base through in-depth class discussion of current science related news reports-keeping them on the cutting edge of biotechnology. Knowledge gained in this course will also enable students to make educated decisions regarding both the environment and their own personal well being.

COLLEGE PREP BIOLOGY with LAB - Grade10

Prerequisite: Completed at least Regular Physical Science and must have had a grade of "C" or above in Physical Science.

Biology is a science that deals with the realm of living things. In the beginning of the course, students are introduced to certain biological and chemical concepts which serve as a background for the year's work. From these foundations, the student progresses from the study of a single cell and its functions to those of the environment. The laboratory work supplements and clarifies the lecture-discussion phase of the course and also provides the student an opportunity to do experimental work.

HONORS BIOLOGY with LAB - Grades 9,10

Prerequisite: Students must have successfully completed Honors Physical Science or Regular Physical Science with teacher recommendation.

This lab course is designed for Honors college-oriented students only. More emphasis is placed on analysis and interpretation of experimental data. Studies progress from single cells and their life functions to biological themes that include natural selection, genetics, kingdom studies, and ecology. Laboratory work is integrated into these studies and provides students opportunities to do experimental work.

ADVANCED PLACEMENT BIOLOGY – Grades 11, 12

Prerequisite: Successful completion with a grade of B or better in Biology with Lab CP or H and teacher recommendation.

This course is designed for the serious student who intends to fulfill a college requirement or take higher level biology courses at college. Through this course Students are provided with a conceptual framework, factual knowledge, and Analytical skills necessary to deal critically with the rapidly changing science of biology. Three general areas will be covered: molecules and cells; heredity and evolution; and organisms and populations. There will be a series of labs throughout the year to support classroom instruction. This course will follow the AP curriculum and will prep students for the AP Biology test.

In order to receive AP weight for this course students must take the corresponding AP exam in May. Students who do not take the AP exam will receive honors weight for this course. Students who need financial assistance to take the test should see Mrs. McKenna.

CHEMISTRY with LAB - Grades 10, 11

Prerequisite: Recommendation of science teacher.

This course is intended for students looking to strengthen their background in the field of chemistry. Topics covered are continuously linked to real world applications through the use of current event discussions and Internet research. Technological breakthroughs are also discussed throughout the course.

Topics to be covered:

1. Classifications of Matter
2. Atomic Structure
3. Periodic Table
4. Chemical Bonding
5. Chemical Names and Formulas
6. Chemical Reactions/Equations
7. Behavior of Gases
8. Acids, Bases, and Salts
9. Organic Chemistry
10. Biochemistry – if time permits

COLLEGE PREP CHEMISTRY with LAB - Grades 10, 11

Prerequisite: Successful completion of Algebra I, College Prep Biology and teacher recommendation.

This laboratory science is designed to help people become prepared for college, nursing schools, as well as to help provide a general liberal arts education.

Topics discussed deal with: the history and vocabulary of chemistry, the structure of atoms and molecules, the laws dealing with chemical reactions, and the math involved in chemical equations.

The most important preparation for the course is an interest and desire to learn.

HONORS CHEMISTRY with LAB - Grades 10, 11

Prerequisite: Successful completion of Algebra I and Algebra II and "B" or above in College Prep Biology.

This laboratory science is designed for **HONORS COLLEGE ORIENTED STUDENTS ONLY**. Intense study involves the structure of atoms and molecules and chemical reactions.

ADVANCED PLACEMENT CHEMISTRY - Grades 11, 12

Prerequisite: Successful completion with a grade of A in College Prep Chemistry, or an A or B in Honors Chemistry and concurrent enrollment in Pre-Calculus or Calculus.

This course is designed for students who plan to study the sciences in college. Topics covered include Atomic Theory, Kinetics, Thermodynamics, VSEPR Theory, Acid-base Reactions and Chemical Bonding. This course will follow the AP curriculum guideline and will prep students for the AP Chemistry test.

In order to receive AP weight for this course students must take the corresponding AP exam in May. Students who do not take the AP exam will receive honors weight for this course. Students who need financial assistance to take the test should see Mrs. McKenna.

HONORS ANATOMY - Grades 11, 12

Prerequisite: This course is offered to junior and senior students who have completed: College Prep Biology with Lab or Honors Biology AND Chemistry with Lab or Honors Chemistry with a grade of "C" or above in both disciplines.

A course covering human anatomical structure and the physiology of systems.

The course is designed for students considering a career in the health-related areas, e.g. medicine, medical research, pharmacology, nursing, physical/respiratory/occupational therapies, medical technology and veterinary science, or those students considering a life science major.

It is recommended the course be taken concurrently with Physics or Advanced Biology for those students considering a straight science major. It is not recommended for engineering or physical science majors in lieu of the physics course.

GENERAL FORENSICS - Grades 11, 12

Prerequisite: A "C" or better in General Biology and General Chemistry or preapproval by the instructor.

This is a course covering the fundamentals of forensic science.

This course will provide the student with the understanding of general applications of forensic science and experience in using various techniques and instruments for this purpose.

General Forensics is a hands-on science course designed to introduce students to forensic science—science as applied to law. Topics to be covered include fingerprinting, blood analysis, hair and fiber analysis, evidence collection, and crime scene management.

This course is designed for students that have an interest in pursuing a career in science or law.

INTRODUCTION TO FORENSICS (H) - Grades 11, 12

Prerequisites: This course is offered to junior and senior students who have completed College Prep Biology with Lab or Honors Biology AND Chemistry with Lab or Honors Chemistry with a grade of "B-" or above in both disciplines.

This is a course covering the fundamentals of forensic science.

This course will provide the student with the understanding of general applications of forensic science and experience in using various techniques and instruments for this purpose.

This course is designed to present a student with select topics covering contemporary developments in the area of forensics. Some of the topics that will be discussed are blood evidence, chromatography, crime scene management, DNA analysis, fiber analysis, fingerprint classification, forensic photography, hair analysis, microscopy, toxicology, and gathering evidence.

This course is designed for students that have an interest in pursuing a career in the sciences and may be taken for college credit through the Camden County College High School Plus program.

HONORS PHYSICS with LAB - Grades 11, 12

Prerequisite: Successful completion of Biology w/Lab, Chemistry w/Lab, Algebra I, II, Plane and Solid Geometry with a grade of "B" or above in each discipline, and concurrently taking a fourth year academic math (Pre-Calculus).

This course is for college-bound students, especially those intending to further their education in the math and science-related fields. It is specifically designed for those who are planning a career in engineering, engineering technology, electronics, computer science, physics, biology, chemistry, mathematics and other related fields. Topics studied include, but are not necessarily limited to, light, optics, the laws of motion, gravitation, electricity and magnetism.

Laboratory work in this Physics course is built around the idea of "search and discovery" rather than the more traditional "cookbook" approach. It is, as a result, interesting and imaginative.

BUSINESS EDUCATION DEPARTMENT

With the use of technology becoming more prevalent in education and business today, Business Education has an important contribution to make in the development of technology and economic literacy of all students. Data entry skills are imperative to the success of students in an extremely competitive and technological environment. The Business Department is committed to providing courses to enable all students to develop skills that are needed for college, employment and personal use.

INTRODUCTION TO COMPUTER APPLICATIONS - Grades 9, 10, 11, 12

This course is designed to provide students with instruction in basic computer applications using the Microsoft Office software. Emphasis will be on creating quality documents such as formal reports, resumes and letters using Word, creating spreadsheets with Excel, preparing multimedia presentations using PowerPoint, creating databases with Access, and using the Internet. Students will develop skills to enhance documents through the use of graphics, charts, graphs and tables. They will gather and organize data for use in slide presentations that can be applied across the content areas. Students entering college or the business world will benefit from the multiple skills obtained from this program.

ACCOUNTING – Grades 9, 10, 11, 12

Students will receive an overview of how to keep business financial records, as well as personal financial records. This class includes the uses of journals, ledgers, worksheets and financial statements to assist in learning accounting principles. Students will have hands on experience with Microsoft Excel and/or other accounting software. This course is recommended for students who are planning to major in business in college, as well as anyone planning to own or manage a business.

BUSINESS ECONOMICS/MARKETING I – Grades 9, 10, 11, 12

Students who take this course will experience one semester of Business Economics (which will fulfill the state graduation requirement for a semester long course in economics) and one semester of Marketing I. This course is designed to help students understand fundamental economic principles while preparing them for living in a world in which they will work, buy, sell and actively participate as citizens who make choices. This class will stress critical-thinking and problem solving skills needed for making business decisions that will affect students for the rest of their lives. Through the course students will also explore the economic world in which we live through current event topics such as pricing, stock market, employment rates and the effects of owning or working in the business world during a recession.

MARKETING EDUCATION II – Grades 10, 11, 12

Prerequisite: Business Economics/Marketing I

After completing Business Economics/Marketing I, you should have a strong understanding of marketing foundations. This course will continue to hone your marketing skills through the use of Virtual Business. You will own and operate your own store and compete against others for a successful business. You will learn about pricing, purchasing, staffing, promotion, financing and market research. Through virtual

Stocks Quest, you will compete against classmates by buying and selling stocks. Sports and Entertainment Marketing will be covered during a marketing period for the student interested in this field. The student will explore the intriguing world of sports and entertainment from the perspective of marketing. This class will offer knowledge to anyone considering the world of business as a job or career.

ADVANCED COMPUTER APPLICATIONS - Grades 10, 11, 12

Prerequisite: Introduction to Computer Applications and/or teacher recommendation.

This course builds on the foundation established in Introduction to Computer Applications. Students will work towards proficiency in advanced techniques of Microsoft Office such as creating watermarks, drawing tables, mail merge, formatting newsletters, charting, creating hyperlinks and integration features. Performance in this course will be assessed through the completion of academic and career oriented projects that will increase technology skills for students entering college or the business world.

E-COMMERCE – Grades 9, 10, 11, 12

The field of e-commerce marketing is rapidly growing. Many universities, colleges, and high schools now offer specializations in e-commerce marketing. The general principles of e-commerce are presented throughout this course and are intended to be a guide in taking your first career step into the exciting world of e-commerce. Learn how to plan and market electronic business products and online services while using your computer skills and your creativity.

WORLD LANGUAGE

The main objective for the study of a world language is to foster in students an awareness of the nature of language and to promote open-minded attitudes toward other cultures. By doing this, students will better understand their own language and will cultivate a sense of humanity, which is needed by the citizens of our contemporary world.

WORLD SPANISH I - Grade 9

This course is designed to prepare students for the world language component of the High School Proficiency Assessment. It focuses on the cultures and various uses of language in the countries where the languages are spoken. Students will communicate, understand, and interpret written and spoken language as well as participate in hands-on activities and projects that involve technology and real-life experiences. Placement will be by recommendation only.

WORLD SPANISH II - Grade 10

This course is designed to expand the student's knowledge of the culture and language studied in World Spanish I. Theme-centered units will provide students with a variety of activities to encourage them to learn and use the target language across the curriculum. Speaking and listening skills will be emphasized but not to the exclusion of the equally important elements of reading and writing.

FRENCH I - Grades 7, 8, 9, 10, 11

Using the many processes of language learning (listening, speaking, writing, reading and observing) students will begin to develop insights into how the French language works. Our textbook, Allez, Viens (Let's Go) offers a variety of useful, interesting approaches to basic grammar and beginning vocabulary, with extensive opportunities for oral and written practice. Working with tapes and videos enables students to model authentic pronunciation and speed. In class, cooperative learning is emphasized through paired/partner activities, so that students actively engage themselves in learning French.

FRENCH II - Grades 9, 10, 11, 12 On parle français!

Prerequisite: Completion of French I

This course offers students who have completed French I the opportunity to incorporate new learning into what has already been learned. More advanced grammar is introduced, and we develop reading skills with additional supplementary reading materials. Dictations and short compositions are assigned to improve writing ability. To encourage the appreciation of the role of francophone cultures in a global context, students report on current events in the francophone world.

FRENCH III - Grades 10, 11, 12 On parle français!

Prerequisite: Completion of French I & II

Our goal continues to be able to function in a French-speaking culture and to use the language for a lifetime of personal enjoyment. We offer extensive oral practice through conversations, role-playing, question and answer sessions, and prepared presentations. More complex grammatical concepts are introduced. Reading comprehension and journal writing are developed for purposes of communication and improving skills. Current events are presented in French, and a variety of French literary selections and films are studied.

FRENCH IV - Grades 11, 12

Prerequisite: Completion of French I, II, & III

The goal of this class is oral and written communication. The class is conducted almost entirely in French. Students review and assimilate structures learned during the previous three years and are expected to speak on a given topic for two to three minutes as well as to converse freely in the language. Students are videotaped as they make various presentations.

Composition and journal writing skills are also emphasized to improve grammar usage and to help students avoid English interference errors. Students will gain greater competence in French by reading selected newspaper and magazine articles as well as literary prose and poetry.

FRENCH V - Grade 12

Prerequisite: Completion of French I, II, III, & IV

As in Level IV, students will find that this course offers a thorough review of the structures already learned and a continuation of composition work. The class will continue to read and discuss literary selections ranging from the contemporary to those written by masters of French literature. Oral performance will be stressed both in conversation and in structured presentations.

In Level V, however, the nature of the materials used and the vocabulary presented will vary according to the career interests of the students. This approach to "independent study" on the fifth level of the language will focus on vocabulary needed for use in the worlds of business, publishing, medicine, etc. Career speakers will be invited to share information about their fields. Local colleges and universities will be contacted to incorporate Level V students into their festivals and cultural programs.

ADVANCED PLACEMENT FRENCH – Grade 12

Prerequisite: Successful completion of French III or IV with a grade of B or better and a recommendation from your French teacher.

This course is designed for the serious French student who intends to fulfill a college requirement or take higher level French courses at college. Through this course students will develop their proficiency in all four language skills: listening, speaking, reading, and writing. The course integrates aural/oral, reading, and compositional skills and includes an extensive study of advanced grammar. In addition to completing a college level course, AP French students will develop language skills that are useful in themselves and can be applied to various activities and disciplines. This course will follow the AP curriculum and prep students for the AP French Language exam.

In order to receive AP weight for this course students must take the corresponding AP exam in May. Students who do not take the AP exam will receive honors weight for this course. Students who need financial assistance to take the test should see Mrs. McKenna.

SPANISH I - Grades 7, 8, 9, 10, 11

In the first year of Spanish students become aware of the Spanish language via the basic skills of language development: listening, speaking, reading, and writing. The text is entitled Ven Conmigo! Within the text, the students are afforded the opportunity to develop vocabulary and initial grammatical concepts. There are several types of exercises (dialogues, group work, drills, etc.) to enhance the four skills. The text is also accompanied by student activity and grammar workbooks, listening practices on CD, interactive CD-Rom and a video series so that the knowledge acquired may be actively employed. The learners are introduced to the culture and customs of the Spanish-speaking world, thereby learning the language as it is used in the foreign country.

SPANISH II - Grades 9, 10, 11, 12

Prerequisite: Completion of Spanish I

Spanish II affords students the opportunity to enhance communication in the foreign language. The course employs basic grammatical skills mastered during Spanish I. Spanish II then progresses toward the objective of improving accuracy in language skills by way of vocabulary, advanced grammatical structures and increased usage of Spanish during the classroom experience. Basic composition is also introduced, and the textbook offers narratives of greater length for instruction in comprehension and foreign culture. The text offers a strong basis for language skill development, as students are then urged to participate independently and actively, developing fluency in language usage.

SPANISH III - Grades 10, 11, 12

Prerequisite: Completion of Spanish I & II

EN ESTE CURSO SE HABLA ESPAÑOL.

Spanish III requires a greater understanding of Spanish, as well as the ability to apply previous knowledge. Spanish is used as much as possible, but English is still used, especially for explanation of grammatical concepts that students find difficult. The class is conducted almost entirely in Spanish, and students are guided to improve their fluency through active participation. Historical, geographical, and literary aspects of Spanish culture are also covered through the use of additional aides. Other texts consist of easy to read short stories and literature of the Spanish-speaking world adapted for the intermediate student. The text for this course is Pasos y Puentes which is accompanied by videos that allow the students to see and hear native speakers in their own countries.

SPANISH IV – Grade 11, 12

Prerequisite: Completion of Spanish I, II, & III

EN ESTE CURSO SE HABLA ESPANOL

This course stresses the improvement and refinement of all language skills: listening, speaking, reading, and writing. The class is conducted as much as possible in Spanish, with special emphasis on the spoken word and the expansion of vocabulary. Spanish literature is read and discussed in depth. The reading selections represent all types of literary genre such as: poetry, short stories, essays, plays and novels. Through reading and discussion, students are offered the opportunity to increase their fluency in the Spanish language, increase their ability to read with understanding, gain greater insight into the structure of the language, and enhance their understanding of and appreciation for Spanish-speaking cultures.

ADVANCED PLACEMENT SPANISH – Grade 12

Prerequisite: Successful completion of Spanish III or IV with a grade of B or better and a recommendation from your Spanish teacher.

This course is designed for the serious Spanish student who intends to fulfill a college requirement or take higher level Spanish courses at college. Through this course students will develop their proficiency in all four language skills: listening, speaking, reading, and writing. The course integrates aural/oral, reading, and compositional skills and includes an extensive study of advanced grammar. In addition to completing a college level course, AP Spanish students will develop language skills that are useful in themselves and can be applied to various activities and disciplines. This course will follow the AP curriculum and prep students for the AP Spanish Language exam.

In order to receive AP weight for this course students must take the corresponding AP exam in May. Students who do not take the AP exam will receive honors weight for this course. Students who need financial assistance to take the test should see Mrs. McKenna.

FINE AND PERFORMING ARTS

It is the desire of the staff of the Fine and Performing Arts Department to provide the students of Audubon High School with means to explore and express the talents of those who are interested in art and music. It is also our position that those who wish to have an experience in the creative process may do so as a part of their high school experience. All that is necessary is a sincere desire to work and a creative imagination. Such studies and activities will provide you with a means to improve and enjoy life - for the rest of your life.

ART

The art courses offered in Audubon High School are directed to the students who would like to expand their interest in the art field. A sincere desire to be creative should accompany each student while taking these courses. Each course will require a research paper and all students will be asked to supplement their class work with outside research. Art History and Appreciation will be reviewed in each area of study.

Note: Students contemplating a career in art are encouraged to elect at least one course in Graphic Communications.

FUNDAMENTALS OF ART AND DESIGN - Grades 9, 10, 11

This is an introductory course which covers the fundamentals of two dimensional design, drawing, painting, printmaking, ceramics, advertising design, mixed media, and art history. The students' knowledge of the principles and elements of art presented at earlier levels of learning will be reinforced through an exploratory and experimental approach to art. The course will also orient students to the art room, art facilities, supplies, tools of the artist and art in the world today. Development of each student's visual perception (ability to see, observe, and translate creatively) will be stressed.

Students taking this course should have a real interest in art, a desire to be creative, and the willingness to express their imagination. Fundamentals of Art and Design is a prerequisite for any of the other advanced Art courses.

CREATIVE ART – Grades 9, 10, 11, 12

No Prerequisites

This course is designed to introduce students to a variety of areas of art, as well as a variety of materials and techniques such as paint, color pencil, watercolor or watercolor markers and pencils, printmaking and other point media, pen and ink, textile paint or dyes, ceramics, wire sculpture and mixed media. The course permits studio opportunities necessary to create works of art with topics that relate to contemporary as well as classical techniques associated with the fields of art. Emphasis is on the development of self-expression using art history, classical techniques and current events.

Through four different units of study (nine weeks each), students will develop perceptual, intellectual, physical and technical skills in the creation of visual art. Units of study include:

CARTOONING: This course provides an area of creative experience for the student to develop drawing skills and techniques to produce images of stylization and use of visual art to tell a story.

SURREALISM AND FANTASY ART: This course is based on the art history period of Surrealism. The student will develop creative ideas of the dream world and further enhance drawing abilities and use of color, along with an introduction to hand built pottery techniques, glazing, underglazing and kiln firing.

POTTERY AND SCULPTURE: The student will gain knowledge of a variety of tools, methods and techniques both in hand built pottery and the making and pouring of molds.

CREATIONS IN MIXED MEDIA: This course is designed to be an art workshop. It allows the student to choose from a wide range of tools, mediums and techniques. These areas include pen and ink, linoleum printing, computer generated designs, paint, textile design, polymer clay, ceramic clay, watercolor, and a variety of drawing media.

WHAT'S ART ABOUT: ROCK, PAPER, SCISSORS – Grades 10, 11, 12

No Prerequisites

Did you ever wonder who designed your toaster, your silverware, or the twenty dollar bill? This course explores the work of all types of contemporary artists who are currently working in the art field today. These artists include automobile designers, toy designers, furniture designers, cartoonists, textile (fabric) designers, and even advertising artists. Art of the past and the art we all come in contact with every day will be explored as students learn about a variety of art forms, their origins, mediums, and how to “look at” and critique art work. Each marking period, students will create one piece of their own art. The course is designed to benefit students with no prior artistic ability who have an interest in learning more about art.

MATERIALS AND TECHNIQUES - Grades 10, 11, 12

Prerequisite: Fundamentals of Art

This course is designed to introduce students to various art materials and techniques such as paint (oil, watercolor, acrylic, silk paint, and gouache), collage (mixed media), printmaking, pencil/other point media, and pen and ink. The student will improve his/her creative skills by means of a more sophisticated approach. Portfolio development will be emphasized in this course. Students taking this course should have a serious interest toward art, a desire to be creative and the willingness to express their imagination.

ADVANCED CERAMICS AND SCULPTURE - Grades 10, 11, 12

Prerequisite: Creative Art marking period courses (all or at least the Pottery/Sculpture course)

This course is for the student with a serious interest in ceramics and/or sculpture. The student will have the opportunity to further develop his/her talent in one or both of these areas. Projects are the student's choice which may be areas of aesthetic and functional; pieces may be in hand built pottery, ceramic mold pouring, wire and mixed media sculpture. Original designs will also be created to decorate both ceramics and

sculpture. Students electing this advanced course are those interested in working with their hands, creating functional art and one who can set and meet his/her own deadlines.

ADVANCED STUDIO AND DESIGN WORKSHOP - Grades 11, 12

Prerequisite: Fundamentals of Art and Design and one other art elective

This course offers an advanced study of the principles and concepts that govern visual communication between the student and the world around him/her. Emphasis will be placed on fulfillment of portfolio requirements necessary for furthering of the student's art education. This course offers an opportunity for the student to develop his/her talent in a specific area of art and design. The student is thereby given intensive work in at least six creative areas of expression ranging from illustration to ceramics. Students taking this course should be those who are interested in pursuing a career in art or have a serious interest toward art.

NEW! **THE ART IN ARCHITECTURE: FROM DESIGN TO CONSTRUCTION** – Grades 10,11,12

This team taught course will allow students to earn graduation requirements in either Art or Technology Education. Not only will it appeal to students whose interest is in the area of art and design, it will also appeal to students considering a career in architecture. By participating in this course students will understand the relationship between these two areas. They will also learn to use the technology employed in both fields today (design and architecture). We anticipate that this hands-on course will be high interest for students interested in pursuing a career in the areas of CAD as well as exterior and interior design.

PORTFOLIO PREPARATION - Grade 12 only with at least 2 yrs. of art courses

This cycle course is designed to accommodate each individual student's requirements for application to college. The previous art created will be reviewed and expanded upon, along with life drawings in a variety of media (first and second marking periods). The third and fourth marking periods will focus on preparing the student for college through critiques, art-related terminology, project work and discussion. This course is the one to elect if you are planning to apply to a college/university for any art major which may include fine arts, graphic design, illustration, crafts, industrial design or architecture.

MUSIC

CONCERT CHOIR - Grades 9, 10, 11, 12

The purpose of the Concert Choir is to present to the interested singer a complete and varied study of the best in music literature and an opportunity to develop performance skills. Compositions from all periods of time and of all styles will be studied in depth. Emphasis in rehearsals is placed upon the stylized singing necessary for various music styles and the promotion of correct singing skills such as proper breathing, tone quality, and diction.

No previous singing experience is necessary for membership in the Choir; however, students are admitted to the course **ONLY AFTER AUDITIONING** or with prior approval from the instructor. Auditions are usually held during the months of March and April. Further information concerning auditions and a manual containing the rules and regulations for membership in the organization is available from the Director of Choral Activities.

As part of the Concert Choir activities, students will be **EXPECTED** to perform in various concerts during the school year as well as attend extra rehearsals outside of regular school hours to prepare for such concerts.

Each Choir member will be required to take part in a vocal music lesson in a small group situation at least once per marking period. These lessons are a part of the Choral curriculum and are held in a class period other than the regular rehearsal period on a rotating basis. Progress in these lessons is part of the Concert Choir grade.

*****Continued membership** in the Concert Choir from year to year is also by the **Director's approval only**, based on performance and progress shown by the student during the current school year.***

SENIOR HIGH CONCERT BAND - Grade 9, 10, 11, 12

Instrumental organizations at Audubon are among the most active groups in our school. Students involved in Senior High Concert Band are required to participate in several performances during the year, among them two concerts and graduation. Concert Band is open to students who play Woodwind, Brass, or Percussion instruments, and have had at least two years experience on those instruments (which would be achieved as members of a junior high level band). Students who play piano (at least two years experience) are also encouraged to join band as mallet percussionists.

Senior High Band members are involved in full and sectional band rehearsals during the regularly scheduled school day as well as some additional rehearsals held outside of the school day, if needed. In band, instrumental techniques such as intonation, phrasing, balance, and other aspects of ensemble playing are studied. Music literature of many various styles will be studied and performed. Students involved are required to practice on their own as well as participate in rotating instrumental music lessons (at least one per marking period) during the school day.

Continued membership in the Concert Band from year to year is contingent upon approval by the Director, and progress shown by the student throughout each year. The Director reserves the right to remove a student if he/she is not meeting the required expectations of the course.

Students are selected from Junior High Band or by an audition given by the Instrumental Director. Auditions are held in the spring. For further information, contact the Director of Instrumental Activities.

Students involved in Concert Band and instrumental activities participate in instrumental rotating lessons as part of their musical training. These lessons will give an in-depth study of the individual needs of their particular instrument as well as offer the opportunity to expand their playing abilities.

Students are also strongly urged to participate in extra-curricular activities such as Marching Band and Jazz Band, as they will further enhance their instrumental music education and provide great reward and enjoyment. Marching Band is open to students in grades 8-12. Jazz Band is open to students who play the sax, low brass, trumpet, percussion, piano, guitar and bass.

MUSIC THEORY I - Grades 10, 11, 12 (Offered 2011-2012)

Music Theory is for the student with a serious interest in music and composing. Areas of study include the basics of music as it pertains to composing, the contemporary style of music writing, and an in depth look at the chorale style of composition of the 18th Century (4 part writing). The student will accomplish a major project at the end of the school year. Besides composition techniques, other areas including ear-training, careers in music and computer-midi training will occur.

While Music Theory is essentially a "beginner's" composing course, some knowledge of music reading and performing is necessary. Selection of the course is ONLY by approval of the instructor upon an interview with the student.

THE ARTS OF MUSICAL THEATRE – Grades 10, 11, 12

The course will be a multi-faceted, hands-on class that will touch on all art forms incorporated in Musical Theatre. Students will be instructed in the use of creative set design, costuming, lighting, make-up, writing, and music composition for the effect of expression in the art of musical theatre. This is along with the basic three elements of musical theatre; singing, movement, and acting. A history of Musical Theatre and its development will also be presented, along with an insight into common forms of theatrical shows. The course is accessible to both the experienced performer and the complete novice to theatre.

APPLIED ARTS

CONSUMER SCIENCE (HOME ECONOMICS)

SKILLS FOR LIVING - Grades 9, 10, 11, 12

Skills for Living is designed to prepare students for life in “the real world.” This class will help the student develop skills that will be used throughout a lifetime. Students will learn basic information and practical skills in the areas of child development, nutrition, food preparation, and clothing care. Demonstrations, worksheets, readings, tests, projects, and lab experiences will be a part of some units of study. Students will learn the skills needed to work cooperatively in the workplace. Skills for Living is a class that will benefit every student by giving them the confidence to meet the challenges of the future.

ECONOMICS FOR CONSUMERS – Grades 10, 11, 12 One semester—2.5 credits

More than ever before it is important for students to understand the nature of national and world economic systems and their impact on the consumer. This semester long course that fulfills a state graduation requirement will focus on developing students' economic literacy. In addition to learning basic terms and concepts associated with both macro and micro economics, through this course students will come to understand the nature of personal finances, investments, and taxation. They will also explore careers as they impact earning potential. This class will be taken in conjunction with a one semester Family Law class.

TECHNOLOGY EDUCATION

GLOBAL GOAL

The Industrial Arts/Technology program is designed to introduce students to technological literacy related to a variety of vocations and to develop insight into and an understanding of the applications of technological concepts, processes, and system. Through hands on activities students develop the technical skills necessary for proficiency in the manual arts. In addition, the Cross Content Workplace Readiness Standards, as mandated by the state, are an integral element of all Industrial Arts coursework. Skills related to the standards include critical thinking, decision making, and problem solving. Students will be expected to demonstrate positive work behaviors including the ability to work cooperatively with others. Students must have a final average of C or better in a course to advance to the next level (Graphics I to Graphics II, for example).

GRAPHIC COMMUNICATIONS I - Grades 9, 10, 11, 12

Graphic Communications I is open to 9th, 10th and 11th graders. Students will learn to operate the machines and to develop skills used in the Printing Industry: working with offset printing presses, darkroom equipment, silk screen and MacIntosh computers. Students will produce memo pads, stationery, business cards, printed T-shirts and greeting cards. This class is a prerequisite for Graphics II and III and may enable students to obtain credits as part of a 2+2 program at Camden County College.

GRAPHIC COMMUNICATIONS II - Grades 10, 11, 12

Prerequisite: Graphic Communications I

Working with the basic skills learned in Graphic Communications I, students will proceed to advanced work in the offset, MacIntosh computers, screen printing and darkroom areas. Students will also learn new skills such as two-color printing, photography, and decals. This course is required if interested in Graphics III. Students in this course may be eligible for the 2+2 program at Camden County College.

GRAPHIC COMMUNICATIONS III - Grades 11, 12

Prerequisite: Graphic Communications II This course is designed for serious minded students with future vocational interests in this field. Areas that will be covered will be advanced offset printing, two-color printing, scanners, advanced photostencil, MacIntosh computers, advanced photography and digital photography. Students in this course may be eligible to obtain credits as part of a 2+2 program at Camden County College.

TECH DESIGN - Grades 9, 10, 11 (12 on a space available basis)

This is an introductory course in Design as a means of learning technical/industrial communication. Students will develop a working knowledge of the different views, dimensioning procedures, sectioning techniques, geometric constructions and usefulness of technical communications in the design process. The students will emulate professional standards as much as possible. The student will be exposed to the work ethic of the modern competitive drafting field as much as possible. Units will include architecture as an end of the year project for practical study in the actual use of the students' newly learned skills. This class is strongly recommended for any student interested in technical careers and is a prerequisite for Computer Aided Design I.

NEW! **THE ART IN ARCHITECTURE: FROM DESIGN TO CONSTRUCTION** – Grades 10,11,12

This team taught course will allow students to earn graduation requirements in either Art or Technology Education. Not only will it appeal to students whose interest is in the area of art and design, it will also appeal to students considering a career in architecture. By participating in this course students will understand the relationship between these two areas. They will also learn to use the technology employed in both fields today (design and architecture). We anticipate that this hands-on course will be high interest for students interested in pursuing a career in the areas of CAD as well as exterior and interior design.

COMPUTER AIDED DESIGN I - Grades 10, 11, 12

Prerequisite: Tech Design

This class will be the application of the students' skills and knowledge of Tech Design to the computer. We will use AutoCAD to produce basic drawings and learn the software. Students will be updating their skills in drawing through the use of this technological tool and will be working towards the objectives of Camden County College Tech Prep program. The student will be expected to perform quickly, independently, and with a level of quality in line with modern commercial goals of design skills found in industry.**

COMPUTER AIDED DESIGN II - Grades 10, 11, 12

Prerequisite: Computer Aided Design I

Computer Aided Design II is a class where effort is made to finalize the student's knowledge in the systems of drawing with advanced use of the AutoCAD software. The student will have extensive requirements in the various areas of advanced detailing of manufactured items. A serious and professional attitude is expected so that all work is done in a way that develops the student's technical interest. **

****Students who take two years of Computer Aided Design and matriculate into the CAD program at Camden County College may be eligible for "advanced standing" credits through the Tech Prep program.**

3D/ANIMATION DESIGN – Grades 10, 11, 12

Prerequisite: Technology Design or teacher recommendation

3D/Animation Design is the medium used to produce animated movies and computer games. This class will provide an in-depth understanding for engineering, technical and art bound students as it relates to aspects of the 3D and animated professional fields.

Using Autodesk's AutoCAD and 3DStudio MAX this hands-on course will focus on the production, design and technical skill required to develop computer generated images.

Projects evolve through a series of tutorials that will be individual and group based making competition and creativity instrumental.

WOODWORK I - Handtools and Basic Fundamentals - Grades 9, 10, 11

The course includes: care and use of handtools, benchwork, the construction and application of wood joints, drawer construction and other basic fundamentals of cabinetry. Lab fee of approximately \$10 - \$15.00.

WOODWORK II - Machine Woodwork & Cabinet Making - Grade 10, 11, 12

Prerequisite: Woodwork I

This course is for serious minded students who wish to learn the art of cabinet making and the care and safe use of power tools.

Students will have the opportunity to select and make a project of their choice within a reasonable size, subject to approval of the instructor. Students are required to purchase their own materials. Cost depends on size of project and material choice.

WOODWORK III - Grades 11, 12

Prerequisite: Woodwork I & II

Wood III is open to 11th and 12th grade students who have successfully completed Wood II with a C average or better and have been recommended by the Wood II instructor. This course is designed for those serious minded students who wish to continue to develop their cabinet making skills. The class will be devoted to the design and construction of one or more advanced level cabinet type projects. Students will also complete a lathe project, shop improvement project, and do several problem solving assignments. Students are required to purchase their own materials for the cabinet project. Cost depends on size of project and material choice.

WOOD IV: CONSTRUCTION TECHNOLOGY - Grade 12

Prerequisite: Woodwork III and completed application and interview.

Utilizing skills learned in all three levels of wood shop, students will simulate the occupational experience of a subcontractor to complete various projects for the high school and the district. Students will meet with "clients" to discuss the job, prepare an estimate, order materials, complete the project, and furnish a final bill.

HEALTH AND PHYSICAL EDUCATION

The health education program has been designed to focus on specific issues and behaviors which are confronting our population of young people. Our goal is to provide students with a strong knowledge base in each area to enhance their decision-making capabilities. Emphasis is placed on developing awareness of chemical abuse and dependency, sexuality education, first aid and CPR training, nutrition, and driver education.

HEALTH 9 – ADVANCED FAMILY LIFE EDUCATION - Grade 9

This course deals with the nature of families; their structure, purposes and functions, their changing relationships and historical evolution. Emphasis is placed on providing factual information about physical, emotional, mental and social changes that occur during adolescence and the effects of those changes on interpersonal relationships, both inside and outside the family unit.

This course focuses on understanding the dimensions of sexuality, concentrating on human development, the evolving nature and complexities of relationships, emotional development, and social attitudes. On a factual level, the course encompasses sexual anatomy and reproduction as well as opportunities to explore current social issues in hope that the student will be able to develop and form his or her own opinions and values regarding each topic.

HEALTH 10 - DRIVER EDUCATION - Grade 10

Safety Education is a program designed to help novice drivers develop the knowledge, skills, and attitudes necessary to become educated, safe, and responsible drivers. Students will discover all the intricate parts of the highway transportation, vehicle code, licensing, registration, and insurance procedures.

Students will be required to investigate and research various topics and develop multi-media presentations to the class. Students will also prepare for the New Jersey State licensing exam which will be administered upon completion of the course.

It is our goal for students to complete the course with a greater appreciation for appropriate and defensive driving habits and therefore use their skills to drive safely.

HEALTH 11 - STANDARD FIRST AID & SAFETY - Grade 11

Standard First Aid includes both community CPR and First Aid emergencies. The first part deals with CPR, heart attack, cardiac arrest, and choking. Students will take both practical and written tests on this section. The First Aid portion of the course includes common emergencies and prepares the student to handle most situations when emergency first aid is needed and medical assistance is delayed.

In addition, this course also examines specific social issues confronting adolescents in our culture including AIDS awareness and prevention. Students will also experience some career related instruction as part of the Health III program.

HEALTH 12 – NUTRITION, FITNESS AND EXERCISE, WEIGHT CONTROL – Grade 12

This course is designed to teach the students proper nutrition and how a fitness and exercise routine promotes physical and mental health. It will also teach the proper way to control weight. Lastly, the students will integrate what they have learned throughout the semester in a health project that consists of a large portion of their grade. Healthy weight control programs will also be addressed.

PHYSICAL EDUCATION - Grades 9, 10

This course is designed to assist students in grades nine and ten in promoting their optimum physical, mental, emotional and social development. Focus will be on providing cognitive content and learning experiences that support a variety of physical activity areas including applying movement skills during team and individual sports, physical fitness programs, dance, and lifetime recreational activities.

Students will, with instruction and guidance, improve their skills, concept knowledge, self-confidence, and individual fitness levels as well as develop an appreciation for the mental, emotional, and social benefits of physical activity and personal fitness.

PHYSICAL EDUCATION – Grades 11, 12

This course is designed to assist students in grades eleven and twelve in promoting their optimum physical, mental, emotional and social development. Focus will be on providing cognitive content and learning experiences that support a variety of physical activity areas including applying movement skills during team and individual sports, physical fitness programs, dance, and lifetime recreational activities.

Students will, with instruction and guidance, improve their skills, concept knowledge, self-confidence, and individual fitness levels as well as develop an appreciation for the mental, emotional, and social benefits of physical activity and personal fitness. Upon completion of the physical education program, students will have developed a solid foundation of information, knowledge and experiences which are conducive to leading a healthy lifestyle.

ALTERNATIVE ACADEMIC PROGRAM FOR P.E. – Grades 7-12

Any student who is withdrawn from P.E. class for medical reasons for a minimum of five days will enter an alternative program. One or two days of suspension must be made up, and a Sportfolio can be completed for every three days of suspension. All students will earn their P.E. grade. All topics will be evaluated and contribute towards the student's grades.

CLASSES OF 2011, 2012, and 2013
MINIMUM GRADUATION REQUIREMENTS

	<u>GRADE NINE</u>	<u>GRADE TEN</u>	<u>GRADE ELEVEN</u>	<u>GRADE TWELVE</u>
1)	English	English	English	English
2)	P.E./Health	P.E./Health	P.E./Health	P.E./Health
3)	World History or Inter. Relations (Elective)	U.S. History I	U.S. History II	World History or Inter. Relations
4)	Science	Science	Science	_____
5)	Mathematics	Mathematics	Mathematics	_____
6)	World Language			
7)	Visual or Performing Arts		_____	_____
8)	Life Skills or Technology			

SUGGESTED COLLEGE PREP SUBJECTS

	<u>GRADE NINE</u>	<u>GRADE TEN</u>	<u>GRADE ELEVEN</u>	<u>GRADE TWELVE</u>
1)	English CP or H	English CP or H	English CP, H or AP	English CP, H or AP
2)	P.E./Health	P.E./Health	P.E./Health	P.E./Health
3)	World History CP or H	U.S. History I CP or H	U.S. History II CP or H AP U.S. History	Inter. Relations CP or H AP European History AP U.S. History
4)	Biology w/Lab H or Earth Science CP	Biology w/Lab CP or Chemistry w/ Lab H	(Physics w/Lab H or AP Chem w/Lab or Chem w/lab CP or Intro to Forensics H	(AP Biology or Anatomy)
5)	Algebra I CP Algebra II H	Geometry CP or H	Algebra II CP or H or Pre-Calculus H	(Pre-Calculus or Calculus CP, H, AP)
6)	World Lang. CP	World Lang. CP	(World Lang. CP)	(World Lang. CP, AP)
7)	Visual or Performing Arts	Life Skills or Technology		

Courses in parentheses are highly recommended but not required.

CLASS of 2014
MINIMUM GRADUATION REQUIREMENTS

<u>GRADE NINE</u>	<u>GRADE TEN</u>	<u>GRADE ELEVEN</u>	<u>GRADE TWELVE</u>
1) English	English	English	English
2) P.E./Health	P.E./Health	P.E./Health	P.E./Health
3) World History or Inter. Relations (Elective)	U.S. History I	U.S. History II	World History or Inter. Relations
4) Science	Lab Science	Lab Science	_____
5) Mathematics	Mathematics	Mathematics	_____
6) World Language			
7) Visual or Performing Arts		_____	_____
8) Life Skills or Technology			
9)	Economics (2.5 credits)		

<u>GRADE NINE</u>	<u>SUGGESTED COLLEGE PREP SUBJECTS</u>		<u>GRADE TWELVE</u>
	<u>GRADE TEN</u>	<u>GRADE ELEVEN</u>	
1) English CP or H	English CP or H	English CP, H or AP	English CP, H or AP
2) P.E./Health	P.E./Health	P.E./Health	P.E./Health
3) World History CP or H	U.S. History I CP or H	U.S. History II CP or H AP U.S. History	Inter. Relations CP or H AP European History AP U.S. History
4)	Economics		
5) Biology w/Lab H or Earth Science CP	Biology w/Lab CP or Chemistry w/ Lab H	(Physics w/Lab H or AP Chem w/Lab or Chem w/lab CP or Intro to Forensics H	(AP Biology or Anatomy)
6) Algebra I CP Algebra II H	Geometry CP or H	Algebra II CP or H or Pre-Calculus H	(Pre-Calculus or Calculus CP, H, AP)
7) World Lang. CP	World Lang. CP	(World Lang. CP)	(World Lang. CP, AP)
8) Visual or Performing Arts	Life Skills or Technology		

Courses in parentheses are highly recommended but not required.