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Nondiscrimination and Section 504 Notice

All parties, procedures, and policies of the Red Clay Consolidated School District shall clearly exemplify that there is no discrimination in the recruitment, employment, and subsequent placement, training, promotion, compensation, tenure, and all other terms and conditions of employment over which the Red Clay Consolidated School District Board of Education shall have jurisdiction, or in the educational programs and activities of students on the basis of race, creed, color, religion, national origin, age, sex, sexual orientation, domicile, marital status, handicap, genetic information, veteran status, or any legally protected characteristic. Inquiries into compliance for Title IX or Section 504 are to be directed to Debra Davenport, Human Resources Development, RCCSD, Linden Park, 4550 New Linden Hill Road, Wilmington, DE 19808 (302) 552-3783.

INTRODUCTION

An accurate understanding of the high school's required and elective educational program is necessary if all students are to maximize the opportunities available. This document provides the information necessary for understanding the educational program at Alexis I. du Pont High School and for planning a program of studies most appropriate for each student. Parents and students should review the contents of this document carefully in preparation for program development.

The selection of a program of studies should be based on the student's ability and achievements as revealed by test scores and previous school records. He/she should also be cognizant of course requirements for each grade level; elective courses appropriate to the student's aspirations and intentions should be given special consideration. The student should discuss these plans and aspirations with the high school staff in order that all educational opportunities are considered. Having considered interests, needs, strengths, and weaknesses, the student's program should reflect a careful balance between challenge and frustration, between ambition and potential, and between interests and requirements.

The curriculum offered at A. I. provides complete preparatory work for a wide range of colleges, universities, and service academies. The curriculum also offers a broad range of business and vocational oriented courses. These are courses which provide introductory level skills for the world of work. Students are encouraged to select from course offerings in both areas to ensure all post high school options are kept open.

To fully capitalize upon the learning opportunities afforded at the high school, the students must evaluate the courses selected in terms of post-high school goals and aspirations. To assist in making such evaluations and to facilitate the process of constructive planning, many helpful resources are provided to all students in the Student Handbook. This guide provides tips and procedures for successful and effective educational planning and is available from the guidance office. The student should retain this ready reference of vital information throughout the high school years.

Finally, no document can always provide clear and definitive answers to all questions. Therefore, administrative and guidance personnel are available to assist in clarification of information and to provide answers for questions not covered in this guide. Parents and students are encouraged to seek clarification when questions arise or other options for gaining credit need to be explored. The cooperative efforts of student, parents and staff, utilizing the many opportunities available should result in a constructive, meaningful educational experience for each student.

SCHOOL PHILOSOPHY

Alexis I. du Pont High School, in conjunction with home and community, dedicates itself to the moral, intellectual, social and physical growth of its students. The school attempts to provide programs that respond to the educational, emotional and physical needs of the students, recognizing the diverse cultural and economic background from which they come.

To provide opportunities for moral growth, the school's programs encourage honesty, awareness and sensitivity to the human needs of others, and the acceptance of responsibility for one's actions.

To promote intellectual growth, school programs are designed to help students acquire specific factual knowledge and to demonstrate their mastery of standards as outlined by the State of Delaware's Department of Education. In addition, students are encouraged to develop reasoning and communication skills, to apply their knowledge independently, and to formulate and to express attitudes and opinions.

To promote social growth, the school encourages the development of self esteem, self discipline, respect for others, and service to school and community.

Finally, to encourage physical growth, school programs promote the acquisition of skills for recreation, enjoyment and good health.

In keeping with these goals, the school must provide an orderly environment which enhances the development of independent and responsible behavior. Ultimately, the school must prepare students to assume productive roles in a society of increasing complexity. Therefore, course content attempts to prepare the student for social, civic, and work competencies; continued learning; creativity; and the enjoyment of a fuller life.

SCHOOL OBJECTIVES

To implement its philosophy, Alexis I. du Pont High School seeks to achieve its objectives through provision of the following:

1. A parent-teacher-student association, periodic newsletters and open houses to inform the public and to encourage community response;
2. Continued encouragement of student adherence to the established standards of behavior;
3. A school and staff that by example serve as moral and ethical models of behavior for students and community;
4. A published code of conduct, made available to students, parents, staff and community, describing acceptable and unacceptable norms of behavior;
5. Guidance and counseling services which allow the school to work closely with students and parents to maintain an atmosphere of appropriate behavior, ethical conduct and concern for others;
6. Course descriptions, presented in representative fashion, of content, materials, evaluation procedures, and modes of instruction;
7. A continuing evaluation and revision of course offerings which attempts to refine and improve their relevancy and effectiveness;
8. Direct instruction in reading, writing, and mathematics to satisfy the specific competencies outlined by the Delaware State Board of Education;
9. Modes of instruction which encourage the independent acquisition and application of knowledge;
10. Problem-solving experiences and opportunities to improve communications skills.
11. Opportunities for the formulation of student opinion based on sound reasoning and appropriate avenues of legitimate expression;
12. Co curricular programs and activities which enable students to acquire and display a wide variety of skills and talents;
13. Extra curricular activities which enable students to acquire and display a wide variety of skills and talents;
14. Experiences, both curricular and extra curricular, which permit students to develop self esteem, self discipline, respect for others, and service to school and community through participation in such activities as performing arts, publications, athletics and clubs;
15. An academic program which aids students in seeking gainful employment or higher education opportunities through course offerings and ancillary personnel.

SCHOOL DAY

The State Board of Education regulations require that the school day be a minimum of six (6) hours, exclusive of the lunch period. The school day at A. I. High School is 7:40 a.m.-2:24 p.m.

GRADUATION REQUIREMENTS FOR THE CLASSES OF 2011 THROUGH 2014

	Students Graduating in: <u>2011-2014</u>
Traditional Academic	
English Language Arts	4
Social Studies	4
Mathematics	4
Science	3
Foreign Language	2
Supporting Coursework	
Physical Education	1
Health	1/2
Visual and Performing Arts	n/a
Career Pathways²	3
Additional Academic Coursework	
Additional Academic, Visual and Performing Arts, Foreign Language and/or Vo.-Tech. Ed. Program.	2 1/2
<hr/>	
Units of Credit	24

1. Algebra 1 will be the first high school mathematics course for which a student will receive credit. One of the math credits must be completed during the student's senior year.
2. The Career Pathways requirement makes a student choose three sequential or specialized elective offerings from the visual and performing arts, foreign language or vocational-technical education areas. **All three courses must be selected in the same area.**

COURSE SELECTION INFORMATION

GRADE 9

A ninth grade student must enroll for a minimum of 7 credits. All freshmen must schedule the following courses:

English	1 credit
Social Studies	1 credit
Mathematics	1 credit
Science	1 credit
Foreign Language	1 credit
Career Pathways Course	1 credit
Physical Education/Health	1 credit

GRADE 10

A tenth grade student must enroll for a minimum of 6.75 credits. All sophomores must schedule the following courses:

English	1 credit
Social Studies	1 credit
Mathematics	1 credit
Science	1 credit
Foreign Language	1 credit
Career Pathways Course	1 credit
Physical Education	1/2 credit
Driver Education	1/4 credit

GRADE ELEVEN

An eleventh grade student must enroll for a minimum of 7 credits. All juniors must schedule the following courses:

English	1 credit
Social Studies	1 credit
Mathematics	1 credit
Science	1 credit
Career Pathways Course	1 credit

GRADE TWELVE

A twelfth grade student must enroll for a minimum of 6 credits. All seniors must schedule the following courses:

English	1 credit
Social Studies	1 credit
Mathematics	1 credit

THE CAREER PATHWAY REQUIREMENT

All students must fulfill a Career Pathways requirement in order to graduate. This requirement makes a student choose three sequential or specialized elective offerings from the visual and performing arts, academic, foreign language, or career-technical education areas. **All three courses must be selected in the same career pathway.**

At Alexis I. du Pont High School, nineteen different Career Pathways are available. Because completing a Career Pathway will usually take a minimum of three years, serious thought should be given to the selection and pursuit of a specific area. Listed below are the available Career Pathways and the specific courses required for successful completion.

- A. **ART**
Any three courses in the Art program that totals three credits

- B. **AUTOMOTIVE TECHNOLOGY**
 - 1. Automotive Technology 1
 - 2. Automotive Technology 2
 - 3. Automotive Technology 3

- C. **ACCOUNTING**
 - 1. Business, Finance, and Marketing Essentials
 - 2. Accounting 2
 - 3. Accounting3

- D. **ADMINISTRATIVE SERVICES**
 - 1. Business, Finance, and Marketing Essentials
 - 2. Administrative Services 2
 - 3. Administrative Services 3

- E. **JOBS FOR DELAWARE GRADUATES**
 - 1. JDG 9
 - 2. JDG 10
 - 3. JDG 11
 - 4. JDG 12

- F. **COMPUTER SCIENCE AND STATISTICS**
 - 1. Introduction to Computer Science
 - 2. Advanced Placement Computer Science A
 - 3. Advanced Placement Statistics

- G. **DRAMA/ACTING**
 - 1. Drama 1
 - 2. Drama 2
 - 3. Drama 3
 - 4. Drama 4

- H. FOREIGN LANGUAGE
Three credits in a single foreign language
- I. NUTRITION AND CULINARY
 - 1. Food Preparation and Production
 - 2. Advanced Food Preparation and Production
 - 3. Culinary Professional
- J. CLOTHING AND TEXTILES
 - 1. Wardrobe Planning
 - 2. Apparel and Textiles
 - 3. Advanced Apparel and Textiles
- K. EARLY CHILDHOOD EDUCATION
 - 1. Human Development
 - 2. Child Development
 - 3. Exploring Early Childhood
- L. BAND
 - 1. Freshman Band
 - 2. Band
 - 3. Additional Band Credit
- M. CHORUS
Three credits in Chorus
- N. DRAFTING AND DESIGN - ARCHITECTURAL
 - 1. Drafting and Design-CAD I.
 - 2. Architectural-CAD II.
 - 3. Architectural-CAD III.
 - 4. Communication Technology Research & Development IV. (Independent Design Studio)
- O. JOURNALISM
Three credits in Journalism
- P. YEARBOOK
Three credits in Yearbook
- Q. MARKETING MANAGEMENT
 - 1. Marketing Management Core
 - 2. Marketing Management 2
 - 3. Marketing Management 3
- R. COMMUNICATION TECHNOLOGY
 - 1. Communication Technology 1
 - 2. Communication Technology 2
 - 3. Communication Technology 3
 - 4. Communication Technology Research and Development 4

R. ACADEMIC

Any three credits in a specific academic discipline beyond the required number of credits necessary for graduation requirements

For example, if a student has 6 credits in the science area, 3 of the credits satisfy the science requirement, and the other 3 credits can satisfy the career pathways requirement.

FINAL GRADE DETERMINATION

The final course grade shall be the average of the four quarter grades, each with a weight value of (2), and the mid-year and final examination grades each with a weight value of (1). Quarter and examination grades shall carry a numerical value of: A = 4; B = 3; C = 2; D = 1; F = 0.

The numerical average shall be converted to a letter grade using the following scale. If the numerical grade is:

Greater than 3.50	=	A
Greater than 2.5, up to and including 3.50	=	B
Greater than 1.50, up to and including 2.50	=	C
0.75, up to and including 1.50	=	D
Less than 0.75	=	F

Note: A student, who after accumulating sufficient grade points to warrant a passing average, fails to attend class regularly and/or fails to demonstrate expected interest and effort in class activities and assignments, may receive a failing grade for the course.

Note: Students receiving 3 marking period F's, two marking period F's and fail the mid-term and final exams, or fail to complete work at an acceptable level will not receive credit for the course.

Note: The prerequisite for receiving credit for a course is the successful completion of all course requirements.

INCOMPLETE GRADES

Incomplete grades must be made up within two weeks following the end of each marking period or the grade becomes an "F," (medical problems excepted). If an incomplete grade is based on failure to complete one or more identified basic course requirements, the incomplete must be resolved by the last student-day of the year or the grade becomes a permanent "I" and no credit will be given.

Note: Students should familiarize themselves with the attendance and absence policies outlined in the "STUDENT CODE OF CONDUCT." The responsibility for initiating makeup work and turning in assignments rests with the student.

POLICY FOR DROPPING A YEAR-LONG COURSE

Dropping a course during the second marking period means that the student must withdraw with penalty according to the following:

1. **During the second marking period but before Interim grades are sent**

If the grade for the first marking period is a passing grade, then the grade for the remaining marking periods and final is "W". If the grade for the first marking period is failing, then the grade for the remaining marking periods is "W", and the final grade is "F".

2. **During the second marking period but after the Interim grades are sent**

The grade for the second marking period is "F", the grade for the remaining marking periods is "W", and the final grade is "F".

3. **After the start of the second semester**

The grade for the remaining marking periods is "W", and the final grade is "F" regardless of the previous grades.

CHANGING FROM ONE LEVEL TO ANOTHER

If a student changes the level of a course after the start of the second marking period, that grade will be transferred and will remain on the student's academic record. Each marking period grade and final grade for that class will be recorded as "W". The grade for the course that the student transferred into will be an "N" for the marking period(s) that the student was in the higher level course, and the final grade will be calculated by using one of the two options available as described in the Student Handbook.

FOR A SEMESTER COURSE

If a student drops a course after the start of its second marking period, the grade for the remaining marking period is "W", and the final grade is "F" regardless of the previous grade.

HIGH SCHOOL PROMOTION POLICY

Promotion from 9th to 10th grade	6	<i>credits minimum</i>
	1	must be in English
	1	must be in social studies
	1	must be in math
	3	additional credits from science, foreign language, career pathways, or phys. ed. /health
Promotion from 10th to 11th grade	12	<i>credits minimum</i>
	2	must be in English
	2	must be in social studies
	2	must be in math
	1	must be in science
	1	must be in the Career Pathway
4	additional credits	
Promotion from 11th to 12th grade	18	<i>credits minimum</i>
	3	must be in English
	3	must be in social studies
	2	must be in math*
	2	must be in science
	1	must be in foreign language
	2	must be in the Career Pathway
	½	must be in phys. ed.
4 ½	additional credits	

*Promotion policy from 11th to 12th grade will be reviewed by the board. If current promotion policy changes go into effect for this year's current juniors, our Summer School and promotion/retention forms will inform those students who may need to earn a third math credit before promotion to the 12th grade.

GRADING POLICY

The Grade Point Average (GPA) at Alexis I. du Pont High School is a weighted average and is computed by using only the grades in the academic core courses of English, social studies, mathematics, science, foreign language, and any Advanced Placement course. A grade of "C" or better in an advanced placement (AP) level course where the AP examination is taken receives an additional one and one half (1.5) quality points in the computation of the GPA. A grade of "C" or better in an honors level course receives an additional quality point in the computation of the GPA. In cases where a student in an AP course chooses not to take the AP examination in May, the course designation will then be changed to "Accelerated" and only one additional quality point will be awarded. The weighted, cumulative GPA is used to determine class rank.

To determine eligibility for honor roll status, an unweighted GPA which includes grades in the core area courses only (English, math, science, social studies, and foreign language) is used. To determine district athletic eligibility, a weighted GPA which includes all grades of A, B, C, D, or F is used.

ART

The Arts program is designed to accommodate the interests and abilities of all students. All courses are presented at three levels of involvement. Level one is the entry level for most students and exemplifies satisfactory accomplishment in basic skills. Students are considered at level two when they exhibit consistently high performance in effort, growth, creativity, and quality of work. Upon satisfactory performance at level two, students may petition for advancement to level three. Placement at level three requires satisfactory evaluation on a pre-test (either oral or written) and an acceptable portfolio presentation. Students obtaining level three status are encouraged to become a member of the Art Majors Program and to pursue the study of Art at the post-secondary level. An integral component of all art courses is a comprehensive knowledge of art careers through research, audio-visual presentations, and student/instructor two-way dialogue.

Believing that “Art is for Everyone,” students are encouraged to sample courses available in this area of the curriculum.

1101 INTRODUCTION TO ART

Grades 9-12; Elective; 1 Credit/Year

This course is designed for beginning art students as an introduction to the basic elements of two & three dimensional design as a source of creative expression using line, scale, form, value, texture, and color. A wide variety of media will be explored in the course of study.

The instructional intent is to develop and coordinate perceptual and manual skills in the interpretation of objects, the figure, and nature. The creative experiences in this course will serve as a foundation for a more advanced study of Art.

0869 CONCEPTS IN DRAWING AND PAINTING

Grades 10-12; Elective; 1 Credit/Year

Prerequisite: Course 1101 and Teacher Approval

The drawing segment emphasizes the development of perceptual and technical skills necessary for the drawing of objects, the figure, and nature. The student uses the tools and materials required for beginning life drawing, anatomy, environmental drawing, scientific illusion, portraits, and structure and color in drawing.

The painting segment provides experiences with tools and materials required for understanding the characteristics and properties of color; form; space; and abstract and realist concepts as they pertain to landscape, seascape, cityscape, interiors, portraiture, still-life, and rendering of the human form.

The role of the artist as a communicator of social and political climates and ideas that impact on Art is emphasized.

0861 CERAMICS AND SCULPTURE 1—1st Semester -or-
CERAMICS AND SCULPTURE 1—2nd Semester
Grades 10-12; Elective; ½ Credit

This course is structured to provide a practical knowledge of ceramics. Students develop skills for producing works in clay by wheel-throwing, coil-building, slab construction, slip-mold and press-mold methods, and the techniques of surface decoration, including glazing, stamping, and incising.

The sculpture part of the course provides experiences in carving, modeling, and construction in a variety of materials in base relief and three-dimensional structures.

0862 ADVANCED CERAMICS AND SCULPTURE 2—1st Semester -or-
ADVANCED CERAMICS AND SCULPTURE 2—2nd Semester
Grades 10-12; Elective; ½ Credit
Prerequisite: Course 0861 and Teacher Approval

This course is intended for the serious student who would like to continue their study of ceramics and sculpture. It will offer in-depth study of skills and techniques offered in Course 0861.

0870 ART MAJORS PROGRAM
Grades 11-12; Elective; 2 Credits/Year
Prerequisite: Level Three Skill Performance, Teacher Approval, and “B”
Average in Drawing/Painting
Students are expected to enroll in Art History during Grade 11

This program is for the serious, talented art student and is predicated on the conviction that growing talent needs maximum support and guidance at this educational level. This program focuses on two avenues of interest:

1. The academic Art Major seeking admission to institutions offering major studies in Art with emphasis upon a Liberal Arts program.
2. The general Art Major seeking admission to institutions offering major studies in Art as a specialist or professional with a B.F.A. and/or degree.

The student prepares a portfolio to be submitted to prospective institutions of higher education as part of the admission application. Preparation of the portfolio must begin in the 11th year.

A minimum of 2 periods per day must be scheduled in the Art Curriculum, one of which is Advanced Placement period. The remaining period/periods must be arranged with the instructor.

0269 INTRODUCTION TO ART HISTORY

Grades 10-12; Elective; 1 Credit/Year

This course is a survey of world art from Antiquity to the present. It will focus on the media of painting, sculpture and architecture of various cultures. The course will feature highlights from art movements of Europe, Africa, the Middle East, Asia and the art of the Americas. It is meant to be an introduction and will equip students with the tools to pursue further study of the history of art.

0250 ART HISTORY, ADVANCED PLACEMENT

Grades 11-12; Elective; 1 Credit/Year

This course is an extension of Introduction to Art History and is an extremely in-depth and intense study of the major art movements of the World. Students who complete this program will probably be interested in pursuing a serious study of Art beyond high school. Students will take the Advanced Placement Examination for Art History and may earn college credit if they score a “3” or higher.

0806 FUNDAMENTALS OF BLACK AND WHITE PHOTOGRAPHY

Grades 11-12; Elective; 1/2 Credit/Semester

Students must have a grade of a “B” or better in Introduction to Art to take this course.

A course in basic photography in which the student becomes familiar with the operation of 35 mm and roll film cameras, the use of natural and artificial lighting, effective composition, and black and white film and print processing. The course will stress active student involvement while basic technical ability in the art of photography is developed.

AUTOMOTIVE TECHNOLOGY

A limited number of course offerings are provided for students who wish to be more knowledgeable about the care and maintenance of a car for personal satisfaction or who want to specialize in this area as a vocational undertaking.

Students can receive Tech Prep College credit by successfully passing with a "B" or higher average and the instructor's recommendation in **all** automotive technology courses.

21040811 AUTOMOTIVE TECHNOLOGY 1
CIP: 21.040811
Grades 10-12; Elective; 1 Credit/Year

A first course in automotive technology, the student learns the process of automotive safety and upkeep, with emphasis focused on the basic automotive systems, i.e., ignition, front end, cooling, electrical, brakes, and exhaust.

Set in a computer-based lab, the student learns to utilize auto manuals, to identify automotive parts, and to diagnose and repair automotive malfunctions, as well as prepare for ASE certification testing. The shop activities include repairs to students' and teachers' vehicles, in addition to working with shop equipment.

21040812 AUTOMOTIVE TECHNOLOGY 2
CIP: 21.040812
Grades 11-12; Elective; 1 Credit/Year

Set in a computer-based lab whereby the students specialize in various automotive repair fields, this advanced course in auto technology **is intended for students who are interested in becoming an auto technician**. The program provides:

1. Extensive lab work and instruction in the theory needed to gain practical experience, competence and confidence in the diagnosis and repair of the various basic auto systems.
2. The opportunity to study in-depth one or more of the following areas:
 - a. Front End System: part replacement adjusting the angles
 - b. Electrical System: problem diagnosis and replacement of parts
 - c. Ignition Tune-Up System: Ignition, emission controls, using the scope
 - d. Brake System: Power brakes, disc brakes
 - e. Engine Rebuilding: Valves, rings, bearings
 - f. Transmission: Automatics and Standards
 1. Automatic, front and rear seal replacement
 - g. Clutch: Adjustment and replacement
 - h. Differential Axle and Housing Service
 - i. Propeller Shaft: Diagnosis, replacement

21040813 AUTOMOTIVE TECHNOLOGY 3
CIP: 21.040813
Grades 11-12; Elective; 2 Credits/Year

Auto Technology 3 permits a student to specialize in one or more of the systems studied in Auto Technology 1 and 2. This specialization is undertaken as an individual study project with the teacher serving in a consultant capacity and is **two class periods**.

BUSINESS EDUCATION

Our economy is one that is increasingly information and service based. Therefore, today's students must be prepared to make decisions, interact effectively, use creativity to solve problems and communicate using all forms of emerging and continuously changing technology. The business education student who completes the Administrative Services Pathway, the Accounting, Banking, and Financial Pathway, or the Marketing Management Pathway will be well prepared to enter the workplace or to continue to pursue careers through higher education. *Students with career pathways in other areas are strongly encouraged to take Business Education electives to better prepare themselves for the workforce.* Any student who completes three levels of their selected pathway within the CTE curriculum is encouraged to take Business and Corporate Management IV., which will allow the students to learn how to become an Entrepreneur in their selected pathway and lay the groundwork for their own business opportunity.

RECOMMENDED COURSE SEQUENCES

Administrative Services Career Pathway

Recommended Sequence
Year 1: Business, Finance, and Marketing Essentials or Marketing I.
Year 2: Administrative Services 2
Year 3: Administrative Services 3
Year 4: Administrative Services 4

Accounting Career Pathway

Recommended Sequence
Year 1: Business, Finance, and Marketing Essentials or Marketing I.
Year 2: Accounting 2
Year 3: Accounting 3
Year 4: Accounting 4

Marketing Management Career Pathway

<u>Recommended Sequence</u>
Year 1: Marketing Management Core or Business, Finance and Marketing Essentials
Year 2: Marketing Management 2
Year 3: Marketing Management 3
Year 4: Marketing Management 4 (Small Business Management – School Store)

0610

BUSINESS, FINANCE, AND MARKETING ESSENTIALS

CIP: 52.010111

Grades 9-12; Elective; 1 Credit/Full Year

This is the core class component for the Finance, Management and Administration, and Marketing Pathways. Topics will include Business Law, Customer Relations, Economics, Financial Analysis, Human Resource Management, Marketing, Operations, and Strategic Management, along with the integration of Career Development, Communication Skills, and Information Management.

0607

ADMINISTRATIVE SERVICES 2

CIP: 52.040112

Grades 9-12; Elective; 1 Credit/Full Year

Prerequisite: Business, Finance, and Marketing Essentials or Marketing Management Core

Administrative Services 2 is designed for students who are preparing for college and already have attained basic quality computer application skills. Although basic Microsoft applications will be reviewed, it is expected that the student have prior experience with computer programs from Business, Finance and Marketing Essentials. Administrative Services 2 provides overview Microsoft Office 2007 software (Word, Excel, PowerPoint, and Access) as well as HTML programming, Dreamweaver and Publisher software programs and the role that microcomputers play in computer literacy. A focus on career opportunities that facilitate business operations through a variety of administrative duties including information management, communication skills, data processing and management will be covered. Students are encouraged to participate in Business Professionals of America activities.

0608

ADMINISTRATIVE SERVICES 3

CIP: 52.040113

Grades 10-12; Elective; 1 Credit; Semester or Full Year

Prerequisite: Administrative Services 2

Advanced software applications will be taught in Administrative Services 2. Emphasis is placed on the integration of various software applications to solve business problems and

the use of presentation software to improve communications. The course covers advanced microcomputer applications through the use of Microsoft Office 2007 and Dreamweaver MX 2004. Some topics of the course include financial functions, amortization schedules, and data tables, creating and querying a worksheet database, Excel templates, importing embedded visuals into PowerPoint, and creating basic websites using Dreamweaver MX 2004. Students are strongly encouraged to participate in Business Professionals of America competitive events and community service.

0609 ADMINISTRATIVE SERVICES 4
CIP: 52.040114
Grades 11-12; Elective; 1 Credit/Year
Prerequisite: Administrative Services 3

Administrative Services 4 is a full year course designed to prepare the student for the world of work on the entry level. The student will perform a variety of post-advanced computer software tasks with the use of Microsoft Office 2007 and Dreamweaver MX 2004. The goal of the class is to progress the students to the point where they can attain entry-level employment. As a long-term focus, employment and career planning will be addressed. Students will learn how to use VBA code in job applications as well as HTML programming and the uses of the internet communication for business purposes. Students are expected to participate in Business Professionals of America and promote and mentor Business Professionals of America members.

0606 BUSINESS & CORPORATE MANAGEMENT (ENTREPRENEURSHIP)
CIP: 52.020114
Grades 11-12; Elective; 1 Credit/Full Year
Open to all students who are in the 3rd year of their CTE program or have completed all 3 years for CTE pathway.

Business Entrepreneurship is a full-year course. Course coverage includes business operations and management, accounting and financial management, marketing, use of business related technology, decision-making, insuring a business, social responsibility, and business ethics. Students will learn how to create and run several types of businesses, such as privately-owned businesses and franchises. A focus will be career opportunities that facilitate business operations through a variety of administrative duties including information management, communication skills, data processing and management, as well as project tracking. The focus is placed on individual business opportunities pertaining to the students CTE pathway.

0612 ACCOUNTING 2
CIP: 52.030112
Grades 9-12; Elective; 1 Credit/Year
Prerequisite: Business, Finance and Marketing Essentials or Marketing Management Core

Intermediate Accounting enforces the student's knowledge in the uses of business papers, forms and reports involved in accounting records. The course will build skills in problem solving, interpersonal communications, and use of computers in a business setting. Additionally, this course develops the necessary skills to analyze and interpret accounting information necessary for the solution of business problems. The accounting cycle for a service business organized as a proprietorship and for a merchandising business organized as a corporation is learned and put into practice. The material learned throughout the year is reinforced when students keep an entire set of accounting books for a simulated company. Group based, active interactive collaborative learning is used extensively in this course that allows for both individual and group assignments. Students are encouraged to participate in Business Professionals of America and promote and mentor Business Professionals of America members. Students are encouraged to participate in DECA.

0613 ACCOUNTING 3
 CIP: 52.030113
 Grades 10-12; Elective; 1 Credit/Year
 Prerequisite: Accounting 2

Advanced Accounting is designed toward the knowledge and skills needed by students who are preparing for a challenging, exciting and rewarding accounting career after high school. Students will receive a short review of the first year's materials. Afterwards, students will learn the accounting cycle for a merchandising business organized as a corporation and related issue, such as accounting for uncollectable accounts, plant assets and depreciation, inventory, accounting for notes and interest, accrued revenues and expenses, and end-of-fiscal period work for a corporation. The course and the text also serve the students who desire advanced preparation for the study of accounting in college. Students are strongly encouraged to participate in Business Professionals of America competitive events and community service. Students are encouraged to participate in DECA.

0615 ACCOUNTING 4
 CIP: 52.030114
 Grades 11-12; Elective; 1 Credit/Year
 Prerequisite: Accounting 3

Computerized Accounting is the third level of the three-tier accounting program. The course is designed toward the knowledge and skills needed by students preparing for an accounting career beyond high school and college. The course and the text are a competency-based program organized as a complete instructional program. Students will be called upon and invited to share both personal and occupational experiences as it relates to course material. Computerized reinforcement activities are included in each accounting unit to strengthen the learning. Students are expected to participate in Business Professionals of America and promote and mentor Business Professionals of America members. Students are encouraged to participate in DECA.

0691 **MARKETING MANAGEMENT CORE**
CIP: 52.140111
Grades: 9-12; Elective; 1 Credit/Year

Students will use marketing concepts, functions, theories, and computerized tools to analyze the ways in which economic, consumer, and environmental variables affect the marketing process. Students will concentrate specifically on entry-level skills in the areas of business law, customer relations, human resources management, and financial analysis. Moreover, areas of selling, pricing, promotion and product will be studied in detail.

0692 **MARKETING MANAGEMENT 2**
CIP: 52.140112
Grades: 10-12; Elective; 1 Credit/Year
Prerequisite: Marketing Management Core

Students will be introduced to marketing and the free enterprise system. Students will gain competencies in all aspects of marketing, and will include career exploration, interviewing, economics, human relations, mathematics, sales promotion, communications and selling. Students will have the opportunity to market and design products for the Alexis I. du Pont High School Store. Also there will be the option of joining DECA – a marketing and entrepreneurship club along with various competitions and events.

0693 **MARKETING MANAGEMENT 3**
CIP: 52.140113
Grades: 11-12; Elective; 1 Credit/Year
Prerequisite: Marketing Management 2

Students will use marketing concepts, functions, theories, and computerized tools to analyze the ways in which economic, consumer and environmental variables affect the marketing process. Students will concentrate specifically on upper-level skills in the areas of business law, customer relations, human resources management, and financial analysis. Moreover, in the areas of selling, pricing, promotion and product, students will use their advanced skills in order to interpret statistical information, make sound business decisions, apply critical thinking techniques and analyze outcomes. Students will focus on pricing and management techniques for small businesses as well as the impact of marketing on customer and employee relations. Membership in DECA – a business marketing and entrepreneurship club is expected. Students will also have the option of assisting in the operation of the school store.

0694 **MARKETING MANAGEMENT 4**
CIP: 52.140114
Grades: 11-12; Elective; 1 Credit/Year
Prerequisite: Marketing Management 3

The course will introduce the fundamentals of business management, including planning, raising capital, using business information, managing employees, and marketing products

and services. The course is oriented toward principles needed to operate a small business and is designed for those who may eventually have their own businesses or for those who desire to upgrade their skills in their present businesses. The course will offer real life experience to students through the use of the school store. Students will be required to manage the school store, set store hours, negotiate contracts with vendors, interview employees and manage the cash flow of the store. All students will be expected to belong to DECA – a business entrepreneurship and marketing club.

ENGLISH

The Alexis I. du Pont High School English program covers the traditional content areas of language, literature, and composition, with emphasis on the skills of listening, speaking, reading, writing, and thinking. The curriculum is aligned with the Red Clay Consolidated School District Reading/English Language Arts Program Instruction Guidelines and Expectations for Grades K-12 as well as the State of Delaware English Language Arts Content Standards.

At the foundation of the English program is a four-year sequence of instruction in the skills of composition. At the ninth grade level students review the basics of grammar, punctuation, spelling, and sentence structure. Students practice the elements of effective composition, unity, coherence, and organization in the multi-paragraph composition. Students are introduced to the use of the high school library resources through reference assignments and a brief research project. Ninth graders may also present an oral report or demonstration speech. In addition, a program of systematic vocabulary study, which continues through the four-year program, is begun; and critical reading, listening, and discussion skills receive special emphasis.

During the 10th grade, instruction in composition concentrates on the organization and development of the five-paragraph essay of opinion with additional activities in the areas of grammar, usage, punctuation, and diction. A research project is required at 10th grade as well.

At both grades 9 and 10, special emphasis is placed on comprehension and writing skills necessary to pass the Delaware Comprehensive Assessment System (DCAS), and intervention is provided to those students with identified deficiencies.

In grade 11, the five-paragraph paper is reviewed and expanded as students are introduced to two methods of developing the persuasive essay: the pro-con approach and the compare-contrast approach. In addition, other types of composition, such as the descriptive, narrative, and expository essays, as well as a research project, are included.

Finally, the systematic study of composition is brought to fruition in the 12th grade when the student focuses on the critical analysis of literature and is required to prepare a senior research project. Throughout all four years, the use of technology is integral to student performance.

To complement the sequential composition instruction, all types of literature—poetry, short story, novel, and drama—are studied at each grade level. The 9th grade uses a genre approach to literature, while the 10th grade focuses on World Literature. Both 11th and 12th grades study selections from American and British Literature.

In addition to the English program for college bound students described above, alternative or additional courses for the student with special needs and interests are available at all four grade levels. Courses appropriate for students with diagnosed remedial needs, special language talents, or a desire for college honors preparation will be found among the department's offerings. For the student with exceptional abilities in the language arts, a program of Honors English is available at all four grades. Students attempting to qualify for advanced placement during the first year of college will find Advanced Placement courses offered at the 11th and 12th grades. Students with a special interest in drama or journalism will find both elective courses and extracurricular activities available.

This four-year sequence of instruction is based on the State of Delaware English Language Arts Standards:

Standard One—Students will use written and oral English appropriate for various purposes and audiences.

Standard Two—Students will construct, examine, and extend the meaning of literary, informative, and technical texts through listening, reading, and viewing.

Standard Three—Students will access, organize, and evaluate information gained by listening, reading, and viewing.

Standard Four—Students will use literary knowledge accessed through print and visual media to connect self to society and culture.

English Department Courses and Descriptions:

0115 ENGLISH 9

Grade 9; Required; 1 Credit/Year

Student should speak with a counselor prior to signing up for this course.

A course designed to meet the needs of students who are performing below grade level in the basic English/language art skills. Emphasis incorporates small group instruction and some individualized instruction. Reading strategies are emphasized using the Holt Rinehart Reading Series and selected novels. Writing strategies are taught using the sentence writing strategy.

0112 ENGLISH 9, CP

Grade 9; Required; 1 Credit/Year

Prerequisite: Eighth Grade English and Teacher Approval

The ninth grade course of study serves as an introduction to the high school English program. The four major types of literature are analyzed in detail: poetry, drama, short story, and novel. Composition is taught using the paragraph as the unit of instruction and includes the development of the multi-paragraph essay and documented essay. Grammar is

taught as a unit and also in relation to composition. Spelling and vocabulary are regular weekly features.

0111 ENGLISH 9, HONORS

Grade 9; Elective; 1 Credit/Year

An entry-level course for students who qualify for honors placement in English. It is strongly recommended that students' test results reveal reading scores to be at least on grade level and/or above. Students will study types of literature (the epic, the novel, short stories, poetry, and drama) through the in-depth study of an American author, a Shakespearean drama, and selected poetry and short stories. In addition, informative and technical types of reading help prepare students for the DCAS. Composition includes the development of the multi-paragraph paper and a research report. Challenging vocabulary and grammar is a regular feature.

0125 ENGLISH 10

Grade 10; Required; 1 Credit/Year

Prerequisite: Ninth Grade English

Student should speak with a counselor prior to signing up for this course.

This course is designed to meet the needs of students who are deficient in basic reading and writing skills. The Holt Rinehart Reading Series and selected novels are taught in a small group setting. Writing strategies are taught using the paragraph writing strategy.

0122 ENGLISH 10, CP

Grade 10; Required; 1 Credit/Year

The tenth grade course is aligned with the Red Clay ELA Curriculum Map. The Map - structured in thematic units - covers literary, non-fiction, informative, and technical texts. Teachers also select a novel from the Red Clay Core Reading list as a unit of study. Other units of study include research and drama. Writing, grammar, vocabulary, and standardized test practice and study skills are integrated into the units throughout the year.

0121 ENGLISH 10, HONORS

Grade 10; Elective; 1 Credit/Year

The tenth grade course is aligned with the Red Clay ELA Curriculum Map. The Map – structured in thematic units – covers literary, non-fiction, informative, and technical texts. Teachers also select a novel from the Red Clay Core Reading list as a unit of study . Other units of study include research and drama. Writing, grammar, vocabulary, and standardized test practice and study skills are integrated into the units throughout the year. For an Honors course, it is suggested that a student earn a “B” average in his/her 9th grade English course and/or be recommended by his/her 9th grade teacher.

0135 ENGLISH 11

Grade 11; Required; 1 Credit/Year

Prerequisite: Tenth Grade English

Student should speak with a counselor prior to signing up for this course.

This course continues the development of basic language skills while exploring themes in traditional literature and short stories continuing with the Holt Rinehart Reading Series and selected novels. Writing skills are reinforced using the theme writing strategy.

0132 ENGLISH 11, CP

Grade 11; Required; 1 Credit/Year

At the eleventh grade level the English program concentrates on the organization and development of the research paper. The five-paragraph paper introduced in the sophomore year is reviewed; in addition, students are introduced to two new methods of essay development: the persuasive essay and the compare-contrast essay. Other types of composition such as the descriptive, narrative, and expository essay are included.

The American novel, short story, poetry, and drama are analyzed and examined. When dealing with literature, students examine the elements of plot, theme, characterization, point of view, and setting. Oral readings from literature are included.

Throughout the year, students work on acquisition and development of vocabulary and review selected areas of grammar, punctuation, and spelling.

0131 ENGLISH 11, HONORS

Grade 11; Elective; 1 Credit/Year

This course is designed for the student of superior ability and achievement in English studies, the student who is self-motivated and who can work independently. The student studies American literature intensively, sampling works from several genres and literary periods. Selections are chosen that challenge the student's ability to critically analyze sophisticated writing from many perspectives. Composition assignments require the student to respond in a variety of rhetorical situations: e.g., from the relatively personal to the relatively detached, from imaginative writing to critical analysis. At least a two-year sequence of Honors English is recommended for students interested in Advanced Placement. For an Honors course, it is suggested that a student earn a "B" average in his/her 10th grade English course and/or be recommended by his/her 10th grade teacher.

0130 ENGLISH LANGUAGE/COMPOSITION AP

Grade 11-12; Elective; 1 Credit/Year

Requirements: Those registered for this course are required to take the Advanced Placement examination in the spring.

This course is designed to prepare students for the Advanced Placement examination in English Language and Composition. In this course, students will study the effective use of language, particularly in writing expository and persuasive non-fiction texts. They will explore how credible writers marshal the devices of diction, syntax, imagery, and tone to the service of argument and tailor messages to specific audiences. To learn to write for diverse audiences for different purposes, students will be given a wide-range of non-fiction writing tasks.

NOTE: The benefit of selecting an AP course is described in a recent publication from the College Entrance Examination Board: “Most of the nation’s colleges and universities, and colleges and universities in 24 other countries, grant students credit, placement, or both, for qualifying AP Exam grades. So whether you plan to attend a public or private university, a small liberal arts college, a state school, or an international university, taking the AP Exams pays off.”

0145 ENGLISH 12

Grade 12: Required; 1 Credit/Year

Prerequisite: Eleventh Grade English

Student should speak with a counselor prior to signing up for this course.

This course continues to reinforce basic language skills, exploring themes in literature while utilizing the Holt, Winston, Rinehart reading series and selected novels. Reading from a variety of sources, practical writing assignments and job exploration are skills included in this course.

0142 ENGLISH 12, CP

Grade 12; Required; 1 Credit/Year

The senior English course combines critical writing, reading and thinking, and a review of the elements of grammar, punctuation, and essay development in addition to critical analyses of literature and a senior research paper which must be completed satisfactorily as a graduation requirement. Writing is the primary form of assessment for this course.

Special emphasis is given to the following skills: taking notes from lectures and written material; improving reading comprehension; and critical writing, thinking, and reading. Major works of English/World Literature are also surveyed.

0141 ENGLISH 12, HONORS

Grade 12; Elective; 1 Credit/Year

A course designed as a continuation of Honors English 11, it is recommended that students have had Honors English classes in the past. The study of literature will focus on the major figures and genres of English and American literature. Emphasis in writing will be placed

upon literary research, critical essays, and creative writing. The course will include a critical analysis of literature and a research paper, which must be satisfactorily completed as a graduation requirement. For an Honors course, it is suggested that a student earn a “B” average in his/her 11th grade English course and/or be recommended by his/her 11th grade teacher.

0140 ENGLISH LITERATURE/COMPOSITION AP

Grade 11-12; Elective; 1 Credit/Year

Requirement: Those registered for the course are required to take the Advanced Placement examination in the spring and to complete a senior research paper.

A course designed to prepare students for the Advanced Placement examination in Literature and Composition. Literary analysis will include all genres with emphasis on works by major American and British authors from the Sixteenth Century to the present.

This course will provide students with an opportunity to work with college level materials in a seminar setting. Students must complete summer work and have an English teacher’s recommendation.

NOTE: The benefit of selecting an AP course is described in a recent publication from the College Entrance Examination Board: “Most of the nation’s colleges and universities, and colleges and universities in 24 other countries, grant students credit, placement, or both, for qualifying AP Exam grades. So whether you plan to attend a public or private university, a small liberal arts college, a state school, or an international university, taking the AP Exams pays off.”

0808 DRAMA 1

Grades 9-12; Elective; 1 Credit/Year

Prerequisite: Teacher Approval (English Teacher recommendation for incoming freshman).

This is an introductory course with emphasis on the basic elements of acting of theatre production. Students will explore acting techniques through movement, improvisational games, scene studies and performing monologues. Students will also begin to explore writing for the stage. Students are required to perform in the One-Act Play Festival held at the end of the year.

0809 DRAMA 2

Grades 10-12; Elective; 1 Credit/Year

Prerequisite: DRAMA 1 or Teacher Approval

This is an intermediate acting course. Students will study theatre history from the Ancient Greeks through the 19th Century. Students will perform scenes from each time period studied. Student will explore acting techniques through scene studies,

improvisational games, movement exercises such as yoga, and performing monologues. Students are required to participate in the One-Act Play festival at the end of the year.

0810 DRAMA 3

Grades 11-12; Elective; 1 Credit/Year

Prerequisite: DRAMA 2 or Teacher Approval

This is an advanced acting course, which focuses on theatre of the 20th century. Students will perform and direct scenes from each play studied. Students will have the opportunity to write a One-Act play to be submitted into the Delaware Theatre Young Playwright's Festival or to direct a One-Act for the One-Act festival at the end of the year. Students will be required to see one play a marking period and to critique it. Advanced movement and acting techniques will be explored through improvisation, yoga, vocal exercises and scene studies.

0811 DRAMA 4

Grade12; Elective; 1 Credit/Year

Prerequisite: DRAMA 3 or Teacher Approval

This advanced acting class will focus on advanced acting techniques and directing. It is designed to prepare students for a career in theatre. Students will learn audition techniques, and advanced memorization skills through scene studies, monologues, and writing and performing skits or plays. Students will direct each other in scenes and learn basic directing techniques. Students will be required to see one play each marking period and to critique it. Students will be required to participate in the One-Act Play Festival at the end of the year.

0162 JOURNALISM I

Grades 9-11; Elective; 1 Credit/Year

This is primarily a writing course for students interested in eventually joining the school newspaper staff (J-2). Students will be introduced to basic concepts in journalism writing, editing, advertising, photography, layout, distribution. Students are also expected to sell ads (minimally) and are encouraged to participate in actual layout of the school newspaper. This course is for the highly motivated student with a strong writing talent.

0163 JOURNALISM II

Grades 10-12; Elective; 1 Credit/Year

A class whose function is to produce the school newspaper, students will use class time, as well as after school time, in a workshop situation to participate in all aspects of printed media production. They may choose to be involved in any (not necessarily all) of the following: writing, editing, photography, art, layout, business management, and advertising.

Selling ads and other forms of fundraising are a requirement. (Not to be substituted for a required English course.) Students should have completed Journalism I. with at least a “B” average and have the teacher’s recommendation.

0160 YEARBOOK
Grades 10-12; Elective; 1 Credit
Advisor Approval Required

The function of this class is to produce the school yearbook. Students will use both class and after school time in a workshop situation where they will participate in all aspects of printed media production.

0161 YEARBOOK INDEPENDENT STUDY
Grades 10 -12; Elective
Advisor Approval Required

Students will work on yearbook production outside of the regular class. This will include taking pictures and setting up yearbook pages.

ENGLISH LANGUAGE LEARNERS

ELL 1

Grades 9-12; Required; 1 Credit/Year

Prerequisite: Teacher placement and English language proficiency scores

This course is structured in 2 sections, Sections A and B, that are listed below. It is designed for students who have very limited or no English language proficiency, but who have had formal schooling.

Students are required to attend both sections ELL 1 Sections A and B.

0152 ELL 1A

Follows an integrated-skills approach where listening, speaking, reading, and writing are interwoven. The instructional focus is on the development of communication skills, giving emphasis to vocabulary, spelling, pronunciation, sentence structure, meaning, and usage.

0153 ELL 1B

As an extension to ELL 1 Section A and continuing to use an integrated-skills approach, students are introduced to World literature and exposed to selected novels based on their grade level and individual instructional needs. Selection of novels comes from the approved reading list of the English Language Program of the district.

ELL 2

Grades 9-12; Required; 1 Credit/Year

Prerequisite: Completion of ELL 1 or Teacher Placement and English Language Proficiency scores.

This course is structured in 2 sections, Sections A and B, that are listed below. It is designed for students who have limited English language proficiency and/or have completed ELL 1.

Students are required to attend both sections ELL 2 Sections A and B.

0154 ELL 2A

The instructional emphasis in ELL 2 Section A continues to be an integrated-skills approach where listening, speaking, reading, and writing are interwoven. Students continue to build their cognitive academic language, giving emphasis on correct conventions (vocabulary development, sentence formation, grammar, and effective word use).

0155 ELL 2B

As an extension to ELL 2 Section A and using an integrated-skills approach, students are exposed to more World literature selections based on their grade level and individual instructional needs. By using a variety of genre, the teacher helps students develop critical and divergent thinking skills.

0156 ELL 3

Grades 9-12; Required; 1 Credit/Year

Prerequisite: Completion of ELL 2 Sections A and B or Teacher Placement and English Language Proficiency scores.

This course is designed for students who are *fairly* proficient in understanding and speaking English.

By using integrated-skill approach, this course exposes English language learners to authentic language by expanding literature instruction, activating independent reading and writing, and exploring various oral communication techniques. Students acquire the skills necessary to determine the meanings of unknown words and use recognition strategies to improve comprehension. Students are introduced to different genres and literary periods of American literature. American literary selections vary according to the student's grade level and instructional needs.

0157 ELL 4

Grades 9-12; Required; 1 Credit/Year

Prerequisite: Completion of ELL 3 or Teacher Placement and English Language Proficiency scores.

This course is designed for students who are *very* proficient in understanding and speaking English. The next step after this course is regular mainstream English classes.

This course reflects a sound progression of learning English with increasing levels of complexity. English language learners continue to refine their listening, speaking, reading, and writing skills. Students continue to develop different modes of writing (expressive, persuasive, informative, and technical) by using more complex sentence formation and variety, correct grammar, and effective word use. Students write research papers and practice oral presentations. They continue with American and English literature, reading a variety of genre appropriate to their ability which increases in complexity in order to develop critical and divergent thinking skills.

MATHEMATICS

0352 ELL ALGEBRA 1
Grade 9; Required; 1 Credit/Year

This course follows essentially the same curriculum as the regular Algebra 1 course except that it is taught in English and Spanish.

SCIENCE

0452 ELL PHYSICAL SCIENCE
Simultaneous with enrollment in ELL 1
Grade 9; Required; 1 Credit/Year

This course follows essentially the same curriculum as the regular Physical Science course except that it is taught in English and Spanish.

0453 ELL BIOLOGY
Simultaneous with enrollment in ELL 2
Grade 10; Required; 1 Credit/Year

This course follows essentially the same curriculum as the regular Biology course except that it is taught in English and Spanish.

SOCIAL STUDIES

0252 ELL UNITED STATES HISTORY 9
Grade 9; Required. 1 Credit/Year

The course consists of a survey of major events in American history and some of the personalities who shaped the nation. It also studies the rights and responsibilities of American citizens. This should be the first social studies courses and should be taken in grade 9. **Required for graduation.**

0255 ELL CIVICS/ECONOMICS
Grades 11-12; Required; 1 Credit/Year

Designed for ELL students in the 11th and 12th grades in ELL 1 and ELL 2, this course teaches the student the American political system. It stresses reading, thinking skills, an appreciation of the American government, and good citizenship. The course utilizes a basic English textbook and audiovisual materials, and requires a term paper. **Required for graduation.**

0251 ELL WORLD HISTORY

Grade 11; ELL Level 2 Students; Required; 1 Credit/Year

This course presents an overview of the earliest civilizations to the present – from the classical world to the Middle Ages in Europe, and the growth and evolution of the Americas. Geography of Africa and the Middle and Far East is studied, along with World Wars 1 and 2 and current events in the world today. It requires a term paper. **Required for graduation.**

Aviso sobre no discriminación y el Artículo 504

Todos los individuos, procedimientos y políticas del Distrito Escolar Consolidado Red Clay deben demostrar claramente que no existe discriminación alguna en la contratación, empleo y subsiguiente colocación, capacitación, promoción, remuneración, permanencia en el cargo y todos los otros términos y condiciones de empleo respecto a los cuales el Consejo de Educación del Distrito Escolar Consolidado Red Clay tenga jurisdicción, o en los programas y actividades educativos de los alumnos, por motivo de raza, credo, color, religión, nacionalidad de origen, edad, sexo, orientación sexual, domicilio, estado civil, discapacidad, información genética, condición de veterano de guerra o cualquier otra característica protegida legalmente. Toda pregunta relativa al cumplimiento del Título IX o Artículo 504 debe ser dirigida a Debra Davenport, Desarrollo de Recursos Humanos, RCCSD, Linden Park, 4550 New Linden Hill Road, Wilmington, DE 19808 (302) 552-3783.

FAMILY AND CONSUMER SCIENCES

The program in Family and Consumer Sciences is two-directional. Successful completion of three consecutive courses in any one area of Family and Consumer Sciences will satisfy career pathway requirements for graduation. Family and Consumer Science courses also develop skills that are necessary to successfully enter the work force.

All students are encouraged to enroll in one or more of the Family and Consumer Science courses in order to better prepare themselves for the challenges of everyday life.

NUTRITION AND CULINARY PATHWAY

Nutrition and Culinary pathway is designed for the student who is interested in entering the Food Service Industry, Hospitality, Restaurant Management, or Nutrition and Dietetics. The skills acquired through Family and Consumer Science will allow students to focus on one or more areas of study providing a strong foundation for both work opportunities as well as advanced education.

0926 **FOOD PREPARATION AND PRODUCTION**
CIP 19.050111
Grades 9-12; Elective; 1 Credit/Year

This is an introductory course designed to train and prepare students for a career in the Food Industry. Students will study nutrition and the basic skill and knowledge used to prepare foods for a healthy lifestyle. Students will identify and use equipment and terminology to perform entry-level tasks in the kitchen. Students will practice the proper procedures for working in a laboratory and adopt skills that are transferable to a diverse workplace. Students will work independently and in groups in a laboratory setting to prepare nutritious food while demonstrating acceptable work ethics, such as following instructions, teamwork for supervisory/co-worker relations, customer service, social acceptance, honesty, dependability, and good communication. Continuous emphasis will be placed on nutrition, safety, sanitation, and technology in the classroom and laboratory. Through the application of food laboratory projects and incorporating of academics, students will be able to see the relevance and relationship of reading, writing, math, and science to a successful Food Industry career.

0927 **ADVANCED FOOD PREPARATION AND PRODUCTION**
CIP 19.050112
Grades 10-12; Elective; 1 Credit/Year

This is a mid-level course for students in the Nutrition and Culinary pathway. Students will demonstrate safety and sanitization using Hazard Analysis Critical Control Point Program (HCCAP) the system used by the food service industry to ensure food safety. Students will incorporate standards from the hospitality industry through the identification and use of small and large utensils, appliances, and equipment during the preparation of foods. Reading, planning, designing, and preparing meals and menus are emphasized throughout the laboratory experience. Investigation of food industry careers and qualifications will be explored through the use of technology and guest speakers.

0928 CULINARY PROFESSIONAL
CIP: 19.050113
Grades 11-12; Elective; 1 Credit/Year

This course builds on previous skills from *Food Preparation and Production (level 1)* and *Advanced Food Preparation and Production (level 2)* and will prepare students for entry-level positions in Food Service. Students will develop a solid foundation of proven culinary theory of which they can build a repertoire of professional skills. Basic industry techniques and safety procedures will be interwoven instruction. Students will practice skills for successful employment.

TEXTILES AND CLOTHING PATHWAY

Fashion is a multi-billion dollar industry, representing both home and apparel products. Students enrolled in the Textiles and Clothing pathway will learn to examine and evaluate manufactured products, explore the many applications of fibers and fabrics, and develop the construction skills needed to produce home fashions and apparel.

Alexis I. du Pont High School is the only school in the State of Delaware that offers a four year program in Textiles and Clothing. National standards in Textiles and Apparel and Delaware standards in Consumer and Resource Management are used in both content standards and student competencies.

0929 WARDROBE PLANNING (TEXTILES AND CLOTHING 1)
CIP: 19.090111
Grades 9-12; Career Pathway or Elective; 1 Credit/Year

The beginning clothing student studies the use and care of the sewing machine, basic textiles, social and psychological aspects of clothing, and garment construction. Using commercial patterns and basic construction skills, the student constructs five garments, incorporating all of the required skills listed in the course outline.

0930 APPAREL AND TEXTILES (TEXTILES AND CLOTHING 2)
CIP: 19.09112
Grades 10-12; Career Pathway or Elective; 1 Credit/Year
Prerequisite: Wardrobe Planning (Textiles and Clothing 1)

The experienced clothing student studies advanced textiles and the history of costume. Specific types of fabrics and garments are required. Using commercial patterns and advanced construction skills, the student constructs five garments, incorporating all of the required construction skills listed in the course outline.

0931 ADVANCED APPAREL AND TEXTILES (TEXTILES AND CLOTHING 3)

CIP: 19.09113

Grades 11-12; Elective; 1 Credit/Year

Prerequisite: Wardrobe Planning and Apparel and Textiles

The advanced clothing student devotes one semester to the design and construction of decorator items for the home or dorm, including such items as window treatments, bedspreads or duvets, and accessories. The second semester requirements include alterations, repairs, renovations, business contracts and practices, and garment construction for others.

0932 DESIGN AND MERCHANDISING (TEXTILES AND CLOTHING 4)

CIP: 19.090114

Grade 12; Elective; 1 Credit/Year

Prerequisite: Wardrobe Planning, Apparel and Textiles, and Advanced Apparel and Textiles

The fourth year clothing student will select projects that require special handling and/or advanced construction techniques. Flat pattern design and textile design are options. The student must reinforce acquired skills by teaching them to other clothing students in levels 1, 2, or 3. The student must also attractively display student work in display cases and on panels. Fashion merchandising is included in the course content.

Clothing students are required to record all work and daily activities in a bound journal. The recycling and reuse of textile products is required of all advanced clothing students.

EARLY CHILDHOOD EDUCATION PATHWAY

The School-to-Careers Child Development Pathway is designed for students who are interested in children, families, childcare, pre-school, kindergarten, or elementary school education. It is intended for students who wish to enter the career field immediately after high school, as well as those planning to obtain a degree in Early Childhood or Elementary Education.

0964 HUMAN DEVELOPMENT

CIP: 19.070111

Grades 9-12; Career Pathway or Elective; 1 Credit/Year

Human development is a project-based course exploring the development of individuals and families throughout the life cycle. In addition to human development theories, principles, and practices students will explore the roles, responsibilities, and functions of family issues, change, stress, and family crisis-abuse-violence; community services, agencies, and resources. Emphasis will be placed on the role of the family and community in meeting the needs of its members as they progress through various stages of development. Course goals include providing students with the knowledge, skills, and attitudes to prepare them for career opportunities working with families and children. Students will understand the

importance and function of the family at various stages and be able to apply that knowledge to provide support to families.

0965 CHILD DEVELOPMENT
CIP: 19.070612
Grades 10-12; Career Pathway or Elective; 1 Credit/Year
Prerequisite: Human Development

This course focuses on the physical, intellectual, social, and emotional development of children. With an understanding of proven child development theories and practices, students will be able to plan for and react to children with developmentally appropriate activities. Creating a safe and healthy environment for children is woven throughout the course.

Course goals include preparing students for the important role of nurturing young children by establishing a foundation of knowledge. This includes planning appropriate developmental curriculum and strategies. Students will be able to identify careers involving children.

0966 EXPLORING EARLY CHILDHOOD
CIP: 19.070613
Grades 11-12; Career Pathway or Elective; 1 Credit/Year
Prerequisite: Human Development and Child Development

This third level course will prepare students to plan, design, and work in programs that meet children's developmental needs and interests while providing a safe and healthy environment.

The goal of this course is to prepare students for work and further study in the field of early childhood education. Students will understand the varied needs of children and the importance of these early years. Curriculum development as well as positive guidance techniques and family interactions will be interwoven with rigorous academic standards. Students will be expected to model professional behavior.

FOREIGN LANGUAGES

The Foreign Language Department of the Alexis I. du Pont High School offers four years of French, German, and Spanish. Fifth year students can be accommodated on independent study with teacher approval.

Two years of the same language course are required by the Red Clay School District. However, it is recommended that the study of a single language should continue for at least three or four years to ensure a degree of proficiency. Students with a particular interest in language study are encouraged to start a second language while continuing the first. It is not advisable, however, to study two different languages for only two years.

Many colleges have reintroduced a foreign language requirement. The University of Delaware requires all applicants to successfully complete three consecutive credits in the same language in high school as part of their Commitment to Delawareans program.

In order to proceed from Level 2 to Level 3 of a language, a student must have at least a "C" for the year. To proceed from Level 3 to 4 or from 4 to AP, students must have at least a "B" in the previous course. Students are encouraged to take foreign languages in consecutive sequence without breaks in the sequence.

COURSE OFFERINGS

<u>0521</u>	FRENCH 1	
<u>0511</u>	SPANISH 1	Grades 9-12; Required;1 Credit/Year
<u>0531</u>	GERMAN 1	

Primary emphasis in the first year of study of a modern foreign language is on developing the student's ability to hear and to speak the language. New material, including basic vocabulary and grammar, is presented in dialogues or in basic sentences, with frequent use of audio-lingual materials prepared by native speakers.

Oral and written structure drills are used to reinforce the learning of basic grammar. Recorded listening comprehension exercises help to train the ear. Spontaneous question and answer exercises and conversations develop use of the new vocabulary and structure in everyday situations. Reading of a narrative, which uses the vocabulary and structure just studied, helps to develop understanding of the written language and appreciation of the culture of the country.

<u>0522</u>	FRENCH 2	
<u>0514</u>	SPANISH 2	Grades 9-12; Required; 1 Credit/Year
<u>0532</u>	GERMAN 2	

The second level of a modern language is basically a continuation of the first. Material is presented in much the same way, with primary emphasis still on the spoken language. There is an increasing amount of reading and writing, with a greater quantity of vocabulary

to be learned and used in daily conversation. At this level, the student is required to do reading outside of class and to write short compositions, using vocabulary and structure, which have been learned. “Introducing” the student to different parts of the French, German, or Spanish speaking world diversifies cultural content.

0523 FRENCH 3 Honors

0515 SPANISH 3 Honors

Grades 10-12; Elective; 1 Credit/Year

0533 GERMAN 3 Honors

Prerequisite: Students must have a final grade of “C” or better in Level 2.

At the third year level, presentation of new vocabulary and grammatical structure continues through use of dialogues and narrative passages. Tapes and CDs are still used in order that students may hear dialogue spoken by native speakers and may continue to develop skills in listening comprehension. There is an increasing amount of cultural material included about the daily life of students and adults in countries of the target language. In addition, students may read short stories, discussing them in the specific language. Students write more frequent and longer compositions than in the second year. There will be a gradual progression of instruction occurring in the target language during the first semester. Second semester instruction may occur primarily in the target language.

0524 FRENCH 4 Honors

0517 SPANISH 4 Honors

Grades 11-12; Elective; 1 Credit/Year

0534 GERMAN 4 Honors

Prerequisite: Students must have a final grade of “B” or better in Level 3 Honors.

At this advanced level, predominant use of the language is demanded, with continued review of grammatical structures and idioms, which are not yet assimilated. Discussion of varied reading materials that include newspapers, magazines and reference articles about the geography and history of the country is emphasized. Cultural material is presented in CDs, tapes and videos in order to further develop listening skills. The aim of language at this level is to better understand the people and their culture through use of the spoken and written word. Some literary works are read and discussed.

0519 SPANISH AP

Prerequisite: Students must have a final grade of “B” or better in Spanish 4 Honors.

Spanish AP is a very advanced course conducted entirely in the target language. The course is specifically designed to prepare students for the AP exam. Only students with four prior years of Spanish study or its equivalent may take the course with teacher’s recommendation. It is assumed that students have already learned the grammar and syntax of the language and have acquired strong skills in speaking, writing, reading, and understanding Spanish. The curriculum for this course is designed to reinforce and sharpen these skills with the goal of achieving mastery.

0503 SPANISH FOR NATIVE SPEAKERS 1
Grades 9-11; Elective; 1 Credit/Year

This class is designed for students with Spanish reading and writing skills above the 6th grade level. In this class the students will expand the structural, morphological and lexical study of their language through contemporary readings and the writing of compositions, outlines and summaries. Critical thinking, organizational and study skills will also be stressed. This course focuses on grammar, including syntax, diction, spelling, accentuation, and punctuation, as well as working with short stories and poetry. The students will be given a placement test to determining eligibility.

0505 SPANISH FOR NATIVE SPEAKERS 2
Grades 10-12; Elective; 1 Credit/Year

This course is the second level of the Native Speakers course #0503. This course will focus on literature (including plays and novels) and writing skills (including essays).

**NOTE: LANGUAGE COURSES WITH INSUFFICIENT
 ENROLLMENT WILL NOT BE SCHEDULED.**

INDEPENDENT STUDY

Grades 11 or 12; Elective Credit Determined by Project. Grades of “O” (Outstanding), “S” (Satisfactory), or “U” (Unsatisfactory) will be given. Independent study grades will not be calculated as part of a student’s weighted academic grade point average.

Independent Study is for the highly motivated student who has the ability, maturity and capacity to initiate and execute independently a unique interest or aptitude. This option encourages students to select, plan, and implement an instructional undertaking equal or superior to a traditionally structured class or to pursue an interest not available in the basic curriculum.

The student initiates the request to study independently by discussing with teacher who will supervise. The teacher must submit a syllabus and course of study for the independent study to the principal. The proposal must be approved by the principal prior to a student undertaking an independent study.

Upon successful completion of the study, including all written material prepared in the best tradition of scholarship, the student presents the results of the study to the directing teacher. The student is awarded the academic credit which was agreed upon at the time the independent study proposal was approved.

Independent study proposals may be initiated at the beginning of the school year. The student is limited to one such project at any one time.

0867 INDEPENDENT STUDY – ART

0921 INDEPENDENT STUDY - AUTOMOTIVE

0605 INDEPENDENT STUDY – BUSINESS

0164 INDEPENDENT STUDY – JOURNALISM

0665 INDEPENDENT STUDY - JDG

0971 INDEPENDENT STUDY – TEXTILE/CLOTHING

0981 INDEPENDENT STUDY – TECH. ED.

0161 INDEPENDENT STUDY - YEARBOOK

DELAWARE VOLUNTEERISM PROGRAM

0660 DELAWARE VOLUNTEER CREDIT

Grades 9-12; Elective; Maximum of 1 credit for 90 hours or more.

Prerequisite: The organization or project must be on the approved list of the Delaware Office of Volunteerism or the Department of Education.

The active participation of young adults in volunteer activities is necessary to achieve a truly healthy community. To help instill the spirit of volunteerism in young people who may display that spirit in their future years, this program promotes and rewards a student's community service efforts. To qualify for this credit:

- a. Volunteer community service shall not be performed during the hours that the student is required to be in attendance at school.
- b. Volunteer community service shall be performed only with an approved organization or project.
- c. Volunteer community service shall not be of a political or advocacy nature.

Official forms are available on the school website (www.aiduponths.com), under the Guidance link and must be submitted to the State Office of Volunteerism for final approval.

TEACHER AIDES

9997 TEACHER AIDE

Grades 11-12; Elective Credit Determined by Instructor

All grades will be "O," "S," or "U"

This program affords the students the opportunity to gain some experience in the career field of education. Placement as a Teacher Aide is contingent upon written approval from a sponsoring teacher after the start of the school year. The student is awarded credit at the conclusion of the course.

JOBS FOR DELAWARE GRADUATES

Overview

The JDG program is designed to help students reach academic and career goals. The curriculum includes 16 school-to-work transition competencies per year. JDG is an approved career pathway.

All JDG students are eligible for membership in the Delaware Career Association (DCA), a youth organization that enhances the classroom instruction with field trips, group activities, and state conferences. The four goals of the DCA are leadership development, citizenship, social awareness, and career preparation.

The JDG Specialist is available to assist students each day of the school year, as well as the summer and 12 months after graduation, to help them find jobs in the career of their choice.

0661 JOBS FOR DELAWARE GRADUATES

Grade 9; Elective; 1 Credit

CIP: 97.010011

The JDG Grade 9 course includes: study skills, personal grooming, goal plan, positive attitude, image assessment, autobiography, group dynamics, conflict resolution, life skills math, career path, leadership, decision-making, and coping with change.

0662 JOBS FOR DELAWARE GRADUATES

Grade 10; Elective; 1 Credit

Prerequisite: JDG 9th Grade or Teacher Approval

CIP: 97.010012

The 10th grade JDG course includes: teamwork, courtesy and respect, goal setting, money management, problem solving, customer service, workplace diversity, workplace math, entrepreneurship, career interests, insurance, values clarification, and job application.

0663 JOBS FOR DELAWARE GRADUATES

Grade 11; Elective; 1 Credit

Prerequisite: JDG 10th Grade or Teacher Approval

CIP: 97.010013

The 11th grade JDG course includes: career vocabulary, listening skills, resume, sources of jobs, telephone skills, stress management, personal budgeting, self-directed search, career manual, verbal presentations, critical thinking, constructive criticism, and professional ethics.

0664 JOBS FOR DELAWARE GRADUATES

CIP: 97.010014

Grade 12; Elective; 1 Credit

Prerequisite: JDG 11th Grade or Teacher Approval

The 12th grade JDG course includes: time management, letter of application, career attire, employment interview, job survival, business etiquette, employee rights, performance evaluations, pay and benefits, financial planning, career travel, letter of resignation, and career portfolio. Each senior will develop a Career Portfolio that includes a resume and references, sample job application, and commendations. If approved by the school counselor, JDG 12 may be the student's co-op class ONLY if JDG is the student's pathway -- i.e. JDG 12 is the student's third or fourth year of JDG classes.

In order to schedule the JDG course, students must meet enrollment criteria approved by the JDG Specialist.

MATHEMATICS & COMPUTER SCIENCE

The Mathematics Program at Alexis I. du Pont High School provides a variety of courses appropriate to the ability, needs, interests and goals of each student. Courses are designed to facilitate the student's understanding of underlying mathematical concepts as well as to increase proficiency in the fundamental computational skills.

The course descriptions that follow provide students and parents with information about the basic goals and content of each course and suggest the sequence for course selection. The Mathematics faculty encourages discussion of future goals with the teacher to determine the best selection of courses appropriate to the individual student.

The sequence for the three math credits, required for graduation, is Algebra 1 (Honors or College Prep), Geometry (Honors or College Prep), and Algebra 2 (Honors or College Prep).

In determining a student's placement in any math course, **more emphasis will be given to the student's second semester performance in his or her current Math course.** The second semester is when most of the new concepts are introduced, studied and developed, and successful mastery is essential for promotion.

The use of technology in math, the graphing calculator (TI 83 or similar), will be incorporated into all levels of math courses. This is in keeping with the NCTM (National Council of Teachers of Mathematics) standards, the SAT and PSAT examinations given by the College Board, and the required 9th grade district and 10th grade state testing. The use of the TI 92 or any comparable calculator (with a QWERTY keyboard) will not be permitted.

COMPUTER SCIENCE

No single technological development has had more impact upon our world than the computer. Not only does the computer affect our personal lives, but it also influences how we think and solve problems as professionals. It is highly recommended that all college bound students gain exposure and insight into the concepts and principles underlying the application of this technology. We believe it to be most beneficial if begun while you are in high school. If you are a good math student, then you can expect to do well and enjoy yourself in Computer Science.

COURSE SEQUENCE FOR INCOMING 9th GRADERS IN 2010

Each incoming 9th grade student will be placed in the appropriate math program best suited to his or her capabilities, performance and goals, based on 8th grade course work, teacher recommendation and standardized test results. **Incoming 9th graders with an Algebra I credit (C or better) will be placed in the appropriate Geometry course. Incoming 9th graders with a D in Algebra 1 or without an Algebra 1 credit will be placed in Algebra 1 according to the above criteria.**

<u>GRADE</u>	COLLEGE PREP		HONORS		ADVANCED
	9	Algebra 1 College Prep	Geometry College Prep	Honors Algebra 1	Honors Geometry
10	Geometry College Prep	Algebra 2 College Prep	Honors Geometry	Honors Algebra 2	Honors Pre- Calculus
11	Algebra 2 College Prep	Alg/Trig OR Pre-Calculus OR Statistics	Honors Algebra 2	Honors Pre- Calculus	AP Calculus AB and/or AP Statistics
12	Pre-Calculus or Alg/Trig CP or AP Statistics or CP Statistics	Pre Calculus OR Alg/Trig OR Statistics CP OR AP Statistics OR Calculus	Honors Pre- Calculus	AP Calculus AB or AP Statistics	AP Calculus BC and/or AP Statistics

COURSE DESCRIPTIONS

0317 ALGEBRA 1

Grade 9; Required; 1 Credit/Year

Student should speak with a counselor prior to signing up for this course.

The goal of this course is to have students develop the ability to analyze and solve problems and to provide a foundation for the study of more advanced topics in mathematics. The skills addressed in this course include simplifying expressions, using operations with integers, solving equations and inequalities, using formulas, factoring, and graphing. Problems requiring reading comprehension and writing skills are also emphasized. The use of the TI-83 calculator (or similar) will be included in the course.

0325 GEOMETRY

Grades 10; Required; 1 Credit/Year

Student should speak with a counselor prior to signing up for this course.

Prerequisite: Successful completion of Algebra 1

This course includes the study of definitions, assumptions, and theorems associated with geometry, conditions of congruence and similarity of triangles, special properties, and the relationships of various geometric figures. Some study of coordinate geometry, area, volume, and reinforcement of algebra skills will also be included.

0335 ALGEBRA 2

Grade 11; Required; 1 Credit/Year

Student should speak with a counselor prior to signing up for this course.

This course is designed to continue the study of Algebra 1. The course will begin with some review of Algebra I topics, and will continue with the extension to quadratic functions, factoring, equations and expressions.

0345 SENIOR MATH

Student should speak with a counselor prior to signing up for this course.

This is a review course with a focus on strengthening mathematical skills. The course consists of review topics in algebra, geometry, probability and statistics. Finance and applied mathematics for life topics are also included.

0312 ALGEBRA 1 CP

Grade 9; 1 Credit/Year

The goal of this course is to have students develop the ability to analyze and solve problems and to provide a sound foundation for the study of more advanced topics in mathematics. The topics covered in this course include equations, inequalities, formulas, graphs, factoring, rational expressions, radicals and the quadratic formula. Problems requiring reading comprehension as well as computational skills are emphasized. The use of the graphing calculator (TI 83 or similar) will be included in the course.

0352 ELL ALGEBRA 1

Grade 9; 1 Credit/Year

Prerequisite: Successful Completion of 8th Grade Math

This course is the same as the course described above. This course is for those students whose native language is not English and who may need extra help in learning Algebra. Students who complete this course should be ready to continue on to Geometry and Algebra 2 or other courses according to teacher recommendations.

0311 ALGEBRA 1 HONORS

Grade 9; 1 Credit/Year

Prerequisite: "B" average or better in 8th grade math

This honors level course is designed for the highly motivated student who will pursue the study of mathematics through calculus. The course content is the same as that of the Algebra 1, but the topics are studied at both a greater pace and depth. The use of a graphing calculator (TI 83 or similar) will be included in the course.

0322 GEOMETRY CP

Grades 9-11; 1 Credit/Year

Prerequisite: "D" or better in Algebra 1 CP

Geometry consists of the study of definitions, assumptions, and theorems and the part they play in the development of formal deductive proofs, conditions of congruence and similarity of triangles, special properties, and relationships of various geometric figures. Some work in coordinate geometry, locus, constructions, and areas and volumes are also included. **Ninth grade students who find the pace and depth of this course too rigorous will be required to repeat Algebra I at the high school level in order to strengthen their algebraic skills.**

0321 GEOMETRY HONORS

Grades 9-10; 1 Credit/Year

Prerequisite: "B" average in Algebra 1 Honors **and/or** Teacher Recommendation
"A" average in Algebra 1 CP **and** Teacher Recommendation

This course discusses in more detail and with greater rigor the topics discussed in the regular Geometry course. Additional topics include characterizations and constructions, areas of sectors and circles, and solids and their volumes.

0332 ALGEBRA 2 CP

Grades 10-12; 1 Credit/Year

Students must have passed Algebra 1 and Geometry CP.

In Algebra 2 emphasis is placed on the logical structure of Algebra and the interrelationships of various mathematical concepts. The course begins with a thorough treatment of the structure of the number system and proceeds to the treatment of powers, roots, factoring, and the fundamental operations with polynomials and rational expressions. The concepts of function and relation are developed with special emphasis placed on quadratic functions. The extension of the real number system to the complex system and the study of logarithmic functions and their properties is also included. The use of a graphing calculator (TI 83 or similar) is an integral part of the course. Students who do not have an Algebra 1 credit are not eligible for this course.

0331 ALGEBRA 2 HONORS

Grades 10-12; 1 Credit/Year

Prerequisite: “B” average in both Honors Geometry and Honors Algebra 1 with Teacher Recommendation **or** “A” average in both Algebra 1 CP and Geometry CP with Teacher Recommendation

This honors level course is designed for the highly motivated student who will pursue the study of mathematics through calculus. The course reviews and extends the understanding and applications of the number system to elementary algebra, formulas, equations, graphs, radicals, exponents, complex numbers and logarithms. The study of trigonometric functions, including trig identities and equations, will be an integral part of the course. The use of a graphing calculator (TI 83 or similar) is an integral part of the course.

0362 ALGEBRA & TRIGONOMETRY CP

Grade 11-12; 1 Credit/Year

Prerequisite: Algebra 2 CP

This course reviews the basic algebraic operations including linear, quadratic, polynomial, rational, exponential and logarithmic functions and their graphs. It will also include analytic geometry, systems of equations, and topics from discrete algebra such as Geometric and Arithmetic sequences and series, and the Binomial Expansion. Trigonometry will be developed from the theory of unit circle and radian measure, and include trigonometric identities and equations. Applications of trigonometry will include solving both right triangles and non-right triangles. The course will make extensive use of the graphing calculator (TI 83 or similar).

0342 PRE-CALCULUS CP

Grades 11-12; 1 Credit/Year

Prerequisite: “B” average in Algebra 2 CP

“C” average in Algebra/Trig CP

This course introduces the student to a variety of topics in advanced algebra and analytic geometry, including algebraic, exponential and logarithmic functions. A thorough development of the trigonometric functions and their inverses is included as well as conic sections. The use of a graphing calculator (TI 83 or similar) is an integral part of the course.

0341 HONORS PRE-CALCULUS

Grades 10-12; 1 Credit/Year

Prerequisite: “B” average in Honors Algebra 2

“A” average in Algebra 2 CP, Algebra/Trig CP with teacher recommendation

This course gives an extensive development in a variety of topics in advanced algebra and analytic geometry, including algebraic, exponential and logarithmic functions, and the trigonometric function and their inverses. The study of conic sections, vectors, sequences and series as well as polar co-ordinates are included in this course. The use of

a graphing calculator (TI 83 or similar) is an integral part of the course. Both the pace and depth of this course are more rigorous than that of the PRE-CALCULUS.

0374 STATISTICS CP

Grades 11-12; 1 Credit/Year

Prerequisite: “D” or better in Algebra 2 CP

This course is another option for students, fulfilling their 4th year math credit requirement and will provide an introduction to statistics. Topics will include Descriptive Statistics (the collection and organization of data) and Inferential Statistics (using data to make decisions about real-life situations.) This course will include the following key topics: collecting and organizing data, describing and analyzing data, randomness in data, and inferences from data.

0370 ADVANCED PLACEMENT STATISTICS

Grades 11-12; 1 Credit/Year

Prerequisite: “B” or better in Algebra 2 or Pre Calculus or Statistics,

MUST HAVE COMPLETED SUMMER WORK

Students are required to take the Advanced Placement Examination in May.

The course will include four major themes: exploratory analysis of data using graphical and numerical methods, planning a statistical study, probability and statistical inference. The Advanced Placement Committee of the College Board and ETS specifies the curriculum for this course. The use of a graphing calculator is required.

0381 CALCULUS HONORS

Grade 11-12; 1 Credit/Year

Prerequisite: “B” average or better in Pre-Calculus

This course introduces the elements of calculus and analytic geometry including basic differential calculus of polynomial and rational functions. Other topics presented are related rate problems, relative and absolute extreme problems, and the application of the derivative to graphing. A thorough discussion of the concept of limits is also included. Techniques of integration and their applications to area between curves and volumes of revolution are also included. The course is designed for those students who do not wish to take the Advanced Placement examination.

0380 ADVANCED PLACEMENT CALCULUS AB

Grade 11-12; 1 Credit/Year

Prerequisite: Must have a final grade of “B” or better in Honors Pre-Calculus.

Students are required to take the Advanced Placement Examination AB in May.

Students must complete summer work prior to starting the AP Calculus AB class.

This course discusses the fundamentals of analytic geometry and the differential and integral calculus of polynomials, rational, trigonometric, logarithmic and exponential functions. Applications of the derivative and integral to such concepts as related rates, applications to maxima and minima, exponential growth and decay, as well as applications to area and volume models are included. The Advanced Placement Committee of the College Board and ETS specifies the curriculum for this course. The use of a graphing calculator is required on part of the examination.

0390 ADVANCED PLACEMENT CALCULUS BC

Grades 11-12; 1 Credit/Year

Prerequisite: Must have a final grade of “C” or better in AP Calculus AB.

Students are required to take the Advanced Placement BC Examination.

Students must complete summer work prior to starting the AP Calculus BC class.

Calculus BC is a continuation of the Advanced Placement AB course and is equivalent to the typical second semester Calculus course offered at most colleges. Additional topics to those offered in the AB course include polar co-ordinates, vector functions, parametric equations, and further techniques of integration, sequences and series. The curriculum for this course is specified by the Advanced Placement Committee of the College Board and ETS. The use of a graphing calculator is required on part of the examination.

COMPUTER SCIENCE

0367 INTRODUCTION TO COMPUTER SCIENCE

Grades 11 – 12; Elective; 1 Credit/Year

Satisfies 1 Computer Literacy Credit

The emphasis of this course is on developing solutions to problems that can be carried out by a computer. This course encompasses an introduction to the fundamentals of programming through algorithms and data structures. We will use the Visual Basic programming language. Some prior knowledge of computer experience is expected such as typing. No prior knowledge of programming is needed. Upon completion of this course, you will be prepared with a strong foundation to meet computer science requirements in college.

0350 ADVANCED PLACEMENT COMPUTER SCIENCE A

Grades 11 –12; Elective; 1 Credit/Year

Prerequisite: “C” or better in Problem Solving by Computer or approval of instructor.

Students must have completed summer work prior to starting the class.

This course will build on the basic concepts learned in Introduction to Computer Science; however, the computer programming language is Java. Because the development of computer programs to solve problems is a skill fundamental to the study of computer science, a large part of the course is built around the development of computer programs or parts of programs that correctly solve a given problem. The course emphasizes the design issues that make programs understandable, adaptable and reusable. At the same time, the development of useful computer programs and program modules is used as a context for introducing other important concepts in computer science, including the development and analysis of algorithms, data structures and the study of standard algorithms and typical applications. The Advanced Placement Committee of ETS specifies the curriculum for this course, therefore students will be expected to take the Advanced Placement Examination at the conclusion of the course. This course is strongly recommended for students entering college seeking degrees in engineering, physics, math and/or computer science.

MUSIC

Instrumental Music

The spectrum of Instrumental Music courses provided to the students is broad. Music opportunities for the student with limited availability are offered in recognition that most students can profit from interaction with this important segment of our tradition and culture. For the serious and technically skilled student, participation in the performing groups provides both the technical advancement and the satisfaction that derives from performing before an audience. It is expected that the high school student will enhance his/her educational experiences by participating in one or more music courses during the high school years.

0817 BAND (MARCHING AND SYMPHONIC)

Grades 10-12; Elective; 1 Credit/Year

Membership in band is open to all qualified wind and percussion players, grades 10 through 12. The first ten weeks of the fall semester are structured around marching band performance. Daily class rehearsals are augmented by after-school practice twice a week. (Students involved in after-school athletics will not have a conflict with Band). Following the marching band season, the focus of Band moves to the study and performance of concert band literature. Development of technique and musical maturity is accomplished by exposure to VBOA level 5 and 6 literature for Band.

0820 STAGE BAND

Grades 10-12; Elective; 1 Credit/Year

Prerequisite: Must be currently enrolled in Marching and Concert Band and Teacher Approval

This course is designed for the student interested in the jazz idiom of performance. The basic instrumentation includes saxophones, trumpets, trombones, tuba, piano, bass, drums, and guitar. Music performed is selected from the big band era through today's rock.

0818 FRESHMAN BAND

Grade 9; Elective; 1 Credit/Year

Membership is open to all qualified wind and percussion players in the ninth grade. This course is specifically designed to address more closely the needs of the 9th grade band student.

0822 STRINGS CLASS

Grades 9-12; Elective; ½ Credit/Year

Course offers instruction for beginning and intermediate classes in violin, viola, cello, and bass. Advanced students will be placed in string ensembles. The classes will meet 1 period per week. Student will be pulled from a class on a rotating basis (student will miss 1 class out of 30). The student can also play in one of two orchestras. The Red Clay Secondary Orchestra meets Tuesday night at Dickinson High School. Any string student who can read music is eligible. Woodwinds, brass, and percussion are accepted by audition. The Red Clay Chamber Orchestra is for the advanced players and meets after school Thursday at Alexis I. du Pont High School (by Audition only).

Choral Music

The Choral Music Department at A.I. du Pont High School has many opportunities for the student looking for opportunities to sing and learn about music. There are separate sections for SATB voices and women's voices. These sections will learn the same music and combine to make one large choir for concerts.

For the **advanced** music student who has completed one year of A.I. Chorus, the department offers CHAMBER CHOIR. This section performs music that requires a competent knowledge of music theory and the ability to sight-read.

0840 A.I. CHORUS/WOMEN'S SECTION

Grade 9-12; Elective; 1 Credit/Year

Open to 9-12 grade **female** students, this choral group will learn and explore four-part harmony music from many cultures and time periods in music history. Students will develop a basic competency in sight-reading and ear-training. This choral group will perform **two mandatory** concerts per year with **A.I. Chorus/Mixed 0841**.

0841 A.I. CHORUS/MIXED

Grade 9-12; Elective; 1 Credit/Year

Open to 9-12 **male and female** students, this choral group will learn and explore four-part harmony from many cultures and time periods in music history. Students will develop a basic competency in sight-reading and ear-training. This choral group will perform **two mandatory** concerts per year with **A.I. Chorus Women's Section 0840**.

0843 CHAMBER CHOIR

Grades 10-12; Elective; 1 Credit/Year

This choral ensemble is open to **10-12 grade males and females**. This singing group will explore four-part harmony music for men and four-part harmony music written for small choirs. Students will need to have some ability to read music along with prior singing experience. This choral group will be expected to learn musical selections to be performed separately and will also learn and perform musical selections with the SSA Chorus. Students in this group will perform **two mandatory concerts** per year and will participate in regional and national choral music festivals.

Two possible new chorus offerings for next year:

9th grade Select Women's Choir- This would be a choir made up of MOSTLY freshman women auditioned by the chorus teacher prior to their course selections for next year. This ensemble would consist of the students who have made the most progress in middle school and are very interested in advancing their musical knowledge. This group would have the opportunity to perform with the Chamber Choir and more advanced repertoire.

Honors Vocal Ensemble- This choir would consist of 20 students who are interested in pursuing music in the future, whether in college or in addition to their collegiate activities. These students would focus on highly intensive choral repertoire as well as Music Theory to prepare them for the future.

PHYSICAL EDUCATION, HEALTH, AND DRIVER EDUCATION

The physical well being of all students is a primary concern of the high school. To address this need, a diversified program of Health and Physical Education is provided for both the theoretic and activity components. The Health Education segment of the program is presented during the freshman/junior years.

One credit of Physical Education is required for graduation. The requirement is met through a combination of one semester of Physical Education (Course #0701) at the ninth grade level and one semester of Physical Education (Course #0702) at the tenth grade level.

The initial focus of instruction in 9th grade is on team and group activities. The focus changes to lifetime sports as the student progresses to the advanced program in grade 10.

Students who do not complete the requirements of Physical Education at the end of 9th grade will be recommended to attend summer school remediation.

0721 DRIVER EDUCATION

Grade 10; Required; 1/4 Credit/Semester

The Driver Education course consists of no less than 1350 minutes of classroom instruction covering the study of the Delaware Driving Laws and the theory of safe driving. Each student spends 7 class hours of 315 minutes on behind-the-wheel instruction as well as the same amount of observation time. Driving simulators may be substituted for the required behind-the-wheel instruction but only up to (3) three hours of the time at the ratio of four (4) hours of driving simulation to one (1) hours of actual behind-the-wheel laboratory instruction.

The course in Driver Education is provided exclusively for tenth grade students and satisfies the requirements for licensing of motor vehicle drivers as required by state law. Successful completion of both the classroom and driving instruction phases is necessary if the student is to receive a license to drive prior to his/her eighteenth birthday.

The driving time given to the student is limited. It is obvious that he or she will not have had sufficient supervised time or opportunity behind the wheel to make the student become an experienced, confident driver. Therefore, a minimum of at least thirty (30) hours under parental supervision is suggested so that he/she can gain the experience and confidence necessary to feel comfortable driving alone.

NOTE: If a student fails to complete the course requirements, his/her options are:

1. Obtain a driver's license at age 18.
2. Retake the course at his/her own expense at another location, which offers State approved Driver Education

0711 ALLIED HEALTH

Grade 9; Required; 1/2 Credit/Semester

The course content for Allied Health Education includes units covering personal, mental, social, community, and environmental health and the techniques of cardiopulmonary resuscitation (CPR). Each unit is presented with a consideration for the maturity level of the student. The vocational aspect of the Allied Health Profession is also given major emphasis.

0712 ALLIED HEALTH MAKE-UP

Grade 12; Required; 1/2 Credit/Semester

This course is offered as an alternative to summer school. Students who have not satisfied the state requirement in Allied Health Education (1/2 Credit) for graduation are encouraged to enroll. This course is limited to twelfth grade students and students who have transferred from other schools. Eleventh grade students may enroll with department chairperson's permission.

0701 PHYSICAL EDUCATION 9 (PE 1)

Grade 9; Required; 1/2 Credit/Semester

This is a basic introductory course to high school Physical Education. The units of study offered at this level include physical conditioning; weight training; team sports (i.e. hockey, touch football, soccer, basketball, softball, volleyball, etc.), track and field, badminton, archery, and tennis.

0702 PHYSICAL EDUCATION 10 (PE 2)

Grade 10; Required; 1/2 Credit/Semester
Prerequisite: Physical Education 9

The second sequence of the required Physical Education Program must be taken in the sophomore year.

Sophomore Year Activities include softball, floor hockey, archery, tennis, basketball, badminton, physical condition, volleyball, and touch football.

0703 PHYSICAL EDUCATION MAKE-UP (PE 3)

Grade 12; Required; 1/2 Credit/Semester

This course is offered as an alternative to summer school. Students who have not satisfied the state requirement in Physical Education (1 Credit) for graduation are encouraged to enroll. The course is limited to twelfth grade students and students who have transferred from other schools. Students must dress and participate to stay in this class. Failure to pass the PE make-up class will result in the student having to fulfill this requirement through an alternative option, such as a correspondence course.

0704 PHYSICAL EDUCATION ELECTIVE (STRENGTH AND CONDITIONING)

Grades 11-12; Elective; 1 Credit

Prerequisite: Physical Education 9 and 10 satisfactorily completed.

The goal of A.I.'s strength and conditioning program is to develop and improve our students' overall athleticism and sport performance. This is achieved through the student becoming stronger, faster and remaining injury free. Students will achieve this by following structured programs which involve sport specific exercises and drills involving strength, speed, agility, plyometrics, flexibility, balance, and conditioning work.

0705 PHYSICAL EDUCATION: TEACHER AIDE

Grades 11-12; Elective Credit Determined by Instructor

Prerequisite: Physical Education 9 and 10 satisfactorily completed.

Selected students serve as student leaders in Physical Education classes. Individuals eligible for this program must have completed the required Physical Education units. All students must have the approval of the Physical Education department chairperson. This course may not be counted as one of the required total credits needed in grades 11 or 12. It may be substituted for an unassigned period or a study hall only.

SCIENCE

The high school science program is designed to accommodate the needs of all students. For those students whose plans require a strong foundation of scientific knowledge, a four-year college preparatory program is provided. The highly motivated and gifted science student can pursue a rigorous program of Honors Biology, Honors Chemistry, Honors Physics, AP Chemistry, AP Physics, AP Biology, and AP Environmental Science. For other college preparatory students, courses in Physical Science, Biology, Honors Biology, Honors Physics, Physics, Chemistry, and Honors Chemistry are offered. For students not contemplating college, Physical Science, Biology, and a science elective are required. Earth Science/Astronomy and Environmental Science are special interest courses provided for 11th and 12th grade students.

Grade	College Prep.	Honors	Advanced
9	Integrated Physical/Earth Science CP	Honors Biology or Integrated Physical/Earth Science Honors	Honors Biology
10	Biology CP	Honors Chem or Honors Biology or Integrated Physical/Earth Science Honors	Honors Chemistry
11	Chemistry CP and/or Science Elective* or +	Honors Physics and/or Honors Chemistry	AP Chemistry and/or AP Physics and/or Honors Physics and/or AP Biology
12	Physics CP and/or Science Elective* or +	AP Course and/or Science Elective+	AP Chemistry and/or AP Physics and/or AP Biology

*Science Electives: *Environmental Science
 *Earth Science/Astronomy
 +Honors Environmental Science
 +Honors Earth Science
 + AP Environmental Science

0415 INTEGRATED PHYSICAL/EARTH SCIENCE

Grade 9; Required; 1 Credit/Year

Student should speak with a counselor prior to signing up for this course.

This science class is designed to give the students a basic knowledge of physical science concepts. Topics covered include the volume, mass, density, elements and compounds, force and work, simple machines and some earth science topics.

0416 PHYSICAL SCIENCE - RECYCLE

Grade 9; 1 Credit/Year

Prerequisite: Second Year Grade 9 Science Students

This course is the same as that of Integrated Physical/Earth Science. A student must successfully complete a credit in Physical Science before he or she can proceed to Biology.

0412 INTEGRATED PHYSICAL/EARTH SCIENCE - CP

Grade 9; Required; 1 Credit/Year

This physical science course is designed to prepare the academic student for the successful completion of Biology, Chemistry, and Physics. This course establishes basic lab techniques and methods of measurement and graphing. Also incorporated are supplements to the laws of motion, energy transfer in the form of waves, properties of matter and energy, chemical reactions and changes in the Earth's features over geologic time.

0411 INTEGRATED PHYSICAL/EARTH SCIENCE - HONORS

Grades 9-10; Required; 1 Credit/Year

Honors Physical Science is a first year science course designed for higher achieving students. Besides preparing students for the science DSTP exams, Honors Physical Science will prepare students for later honors level coursework in Biology, Chemistry and Physics. This course is offered to qualified ninth and tenth graders.

This course addresses three major areas of science: physics, chemistry, and earth science. Students will learn to integrate mathematical analysis, graphing skills, inquiry skills, and laboratory skills. Specific content areas include laws of motion, energy transfer in the form of waves, properties of matter and energy, chemical reactions and changes in the Earth's features over geologic time.

0425 BIOLOGY

Grade 10; Required; 1 Credit/Year

Student should speak with a counselor prior to signing up for this course.

This course is designed for the student with limited skills in reading. The course content includes the topics of life, plants, animals, reproduction and genetics. Activities will provide the students with experiences and skills that will allow them to gain knowledge of basic biology.

0422 BIOLOGY - CP
Grade 10; Required; 1 Credit/Year

This is a college preparatory course that approaches biology from the molecular and chemical levels. The course content includes units on the scientific inquiry method and the interaction of facts and ideas; the study of life as it relates to atoms and molecules that compose living matter; cells, their structure and demise; organisms, their form and activities; and groups of organisms, their organization and interactions.

0421 BIOLOGY - HONORS
Grades 9-10; Required; 1 Credit/Year

Biology Honors Program is a life science course designed to challenge the academically talented student. This program differs from the academic program in that the material will be covered in greater depth, and a more detailed understanding will be required.

The Honors Biology course will treat living things on many different levels of organization, one that relates these levels to each other, from molecules to cells to whole organisms and complicated groups of organisms living together.

0420 BIOLOGY - ADVANCED PLACEMENT
Grades 11-12; Elective; 1 Credit/Year
Prerequisite: Student must have passed Honors Biology and Chemistry and have taken or are concurrently taking Physics.
Requirement: Students will be required to take the Advanced Placement examination.

A chemical approach to a college level course for the student who is preparing for a science-related career, topics covered include those mandated for national AP biology courses. Summer reading and preparation will be required.

0475 ENVIRONMENTAL SCIENCE
Grades 11-12; 1 Credit/Year
Student should speak with a counselor prior to signing up for this course.

Environmental Science is the study of how people interact with the environment. This course looks at the problems associated with the environment as well as the different types of ecosystems found in our world. The relationship between organisms as well as the relationship between an organism and its environment will be the focus of this course.

0439 ENVIRONMENTAL SCIENCE - INTERMEDIATE LEVEL
Grades 11-12; 1 Credit/Year

Environmental Science is the study of relationships between humans and the surrounding environment. This course will focus on the identification of the major biomes of the world and the diversity of life within each. A major emphasis will be placed on describing major types of pollution affecting air, land and water and their impact on the surrounding environment. Natural resources, along with alternative energy sources, will also be a focal point of this course. Current events will be a major portion of classroom discussion.

0449 ENVIRONMENTAL SCIENCE - HONORS

Grades 11-12; 1 Credit/Year

Prerequisite: Biology or Honors Biology

This course will focus on the complex and delicate relationship between diverse species and their environment. Students will learn the decision-making model used in land development and the impact of this development on ecosystems. Another major focus, of course, will be on the relationship of humans with the environment and the impact of pollution and industrialization on ecosystems within. Topics such as land, water and air pollution, global warming, depletion of ozone layer, alternative energy sources, and renewable and non-renewable resources will be among the many topics of discussion. Current events, with discussion, will comprise a large portion of course. Field trips, along with groups and individual projects, will be utilized to enhance learning.

0441 ENVIRONMENTAL SCIENCE – ADVANCED PLACEMENT

Grade 11–12; Elective; 1 Credit/Year

Prerequisite: Honors Chemistry and Honors Biology with a “C” or higher.

Students will be expected to take the Advanced Placement Exam.

The AP College Board states that environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science. The following themes provide a foundation for the structure of the AP Environmental Science course: science is a process; energy conversions underlie all ecological processes; the Earth itself is one interconnected system; humans alter natural systems; environmental problems have a cultural and social context and human survival depends on developing practices that will achieve sustainable systems.

0444 PHYSICS CP

Grades 11-12; Elective; 1 Credit/Year

Prerequisite: Satisfactory completion or current enrollment in Algebra 2

This course is designed for the non-science major who desires a greater conceptual understanding of physics. Emphasis is placed on qualitative study of central concepts of physics and how they relate to the world around us. Although this introductory class presents a conceptual understanding of classical physics, students should be capable of using formulas to solve problems and possess graphing skills.

0443 PHYSICS - HONORS

Grades 10-12; Elective; 1 Credit/Year

Prerequisite: Successfully completed Honors Algebra 2

Completion of Honors Chemistry or Honors Biology

A laboratory oriented, problem-solving course for students who plan to attend a four-year college. Equal emphasis is placed on conceptual understanding of theory and solving problems based on these physics concepts. Students must possess good mathematical skills such as graphing and problem solving. The content of this introductory course is a classical

treatment of physics with units on mechanics, waves and optics, electricity, magnetism, and optics. For Honors Physics, it is suggested that students have completed Honors Algebra 2 with a grade of B or better and that students have successfully completed Honors Chemistry or Biology with a grade of B or better.

0442 PHYSICS - ADVANCED PLACEMENT B-LEVEL

Grades 11-12; Elective; 1 Credit; Year

Prerequisite: Physics Honors **or** Chemistry Honors with a final grade of “B” or higher.

Currently enrolled in Honors Pre-Calculus or Calculus.

Requirement: Students will be required to take Advanced Placement examination.

A B-Level Advanced Placement course for strong math students who plan to major in science, engineering, pre-med or mathematical fields in college. Problem solving using algebra and trigonometry will be emphasized in this course and it is expected that students have an excellent foundation in algebra and trigonometry. Students will study topics including mechanics, fluids, waves, optics, kinetic theory, thermodynamics, electricity, magnetism, and modern physics. Students successfully completing this course will be expected to take the Advanced Placement examination.

0450 PHYSICS - ADVANCED PLACEMENT C-LEVEL

Grades 11-12; Elective; 1 Credit; Year

Prerequisite: Physics AP B-level with a grade of “B” or higher **or** Physics Honors with a final grade of “A”.

Successful completion of Honors Calculus. This is a calculus intensive course.

Requirement: Students will be required to take Advanced Placement examination.

This course is designed for extremely strong math students who plan to major in the physical sciences or engineering in college. Problem solving using algebra and trigonometry will be emphasized in this course and it is expected that students have an excellent foundation in algebra and trigonometry. Students will study advanced topics in mechanics, electricity, and magnetism. Students successfully completing this course will be expected to take both AP Physics C exams in **Mechanics** and **Electricity and Magnetism**.

0432 CHEMISTRY CP

Grades 11-12; Elective; 1 Credit/Year

Prerequisite: Satisfactory completion or current enrollment in Algebra 2

The goal of this course is to prepare students for college science placement. Chemical theory and calculations are presented. Laboratory experiments serve to verify some of the theories. Units of study include, but are not limited to, atomic theory, bonding, molecular geometry, gas laws, liquids, solids, solutions, acids and bases, the periodic table, and some descriptive chemistry. A good working knowledge of mathematics is required.

0431 CHEMISTRY - HONORS

Grades 10-12; Elective; 1 Credit/Year

Prerequisite: Satisfactory completion or current enrollment in Honors Algebra 2

This is an intermediate level course designed for the student with an interest in a science related career. Topics include atomic theory, chemical bonding, molecular geometry, stoichiometry, gas laws, liquids, solids, solutions, electrochemistry, chemical kinetics, equilibrium, thermodynamics, acids and bases, the periodic table, and some descriptive chemistry. Detailed problem-solving is included.

0430 CHEMISTRY - ADVANCED PLACEMENT

Grade 11-12; Elective; 1 Credit/Year

Prerequisite: Completion or enrollment in Honors Physics.

Completion of Honors Chemistry with a “B” or higher.

Requirement: Students will be required to take the Advanced Placement examination and be responsible for all fees.

This is a college level course for the student who is preparing for an engineering, medical, or other science-related career. This comprehensive program places great emphasis on physical chemistry and covers those topics listed for Honors Chemistry in much greater depth. Advanced problem-solving and theory are included.

0437 EARTH SCIENCE/ASTRONOMY

Grades 11-12; Elective; 1 Credit/Year

This is an intermediate level course designed to introduce students to the subjects of Geology—the study of the Earth’s surface and interior; Meteorology—the study of the Earth’s atmosphere and weather; Oceanography—the study of oceans; and Astronomy. The Astronomy unit combines the theoretical study of the topic with laboratory activities and audio-visual aids. Some of the major concepts studied include astronomical telescopes, the origin of the solar system and universe, comets, meteors, stars, and galaxies.

0459 EARTH SCIENCE - HONORS

Grades 11-12; Elective; 1 Credit/Year

Prerequisite: Chemistry or Honors Chemistry

This course will focus on the major branches of Earth Science with an emphasis on Geology and Astronomy. The subject matter will include amongst others: mineralogy, petrology, plate tectonics, geologic time lines, renewable and nonrenewable resources, alternative energy sources, formation of universe and solar system, identification and origin of stars and constellations, and descriptions of planets and moons with current and future plans for exploration. Studies will be enhanced with field trips, special projects, and use of A. I.’s observatory and telescope.

SOCIAL STUDIES

Four credits in Social Studies are required for graduation by State regulations. These requirements are met in grades nine, ten, eleven, and twelve. In order to meet the needs of various groups of students and to enlarge the academic program, several levels of social studies courses are offered. Students should consult with the staff if they have questions about which level they should select.

NOTE:

- **9th Grade Required U. S. History**
- **10th Grade World or European History**
- **11th Grade Civics/Economics**
- **12th Grade 1 credit from electives in Social Studies**

0215 U.S. HISTORY

Grade 9; Required; 1 Credit/Year

Student should speak with a counselor prior to signing up for this course.

Must have successfully completed 8th Grade Social Studies.

This course surveys the period of American History from 1877 to the present. Topics of interest include the Industrial Revolution, the Progressive Era, World War I, the Great Depression, World War II, the Korean and Vietnam Wars, the Civil Rights Movement, and current situations of a political, economic, social, and cultural nature. Improved reading comprehension, vocabulary development, and communication skills are emphasized.

0216 U.S. HISTORY - RECYCLE

Grade 9; Required; 1 Credit/Year

Prerequisite: Second Year Grade 9 Social Studies Students

This course is the same as that of U.S.A. History. A student must successfully complete a credit in U. S. A. History before he or she can proceed to 10th grade and continue with successive social studies courses.

0212 U.S. HISTORY CP

Grade 9; Required; 1 Credit/Year

Must have successfully completed previous 8th Grade Social Studies.

This is a course designed for students who will benefit from a broad, conceptual study of the political, economic, social, and cultural development of the United States from 1877 to the present time. Research and writing skills are stressed, and the students are challenged to apply all social science skills in relating the past to the present. The course provides the opportunity for experiential learning for college bound students who may not focus on the social sciences as a career but who will benefit from a four-year college experience. Students are expected to possess the necessary reading and writing skills consistent with 9th Grade students who are preparing for college work.

0211 U.S. HISTORY - HONORS
Grade 9; Required; 1 Credit/Year

This is a course intended for the student not seeking AP credit but who will benefit from an advanced application of well-developed social science skills through an analysis of the United States' history and institutions beginning with the Civil War era and continuing through the present day. Research and writing skills, analysis and interpretation are strongly emphasized. Outside reading will be required.

0225 WORLD HISTORY
Grade 10; Required; 1 Credit/Year
Student should speak with a counselor prior to signing up for this course.

From Renaissance to the world today, this course takes students on a journey through time. It encourages students to see how history is linked to their lives. Students develop vocabulary, comprehension and critical thinking skills. Students will also be trained in geographic skills.

0222 WORLD HISTORY - CP
Grade 10; Required: 1 Credit/Year
Prerequisite: Successful completion of previous Social Studies Class.

Taught at a less rigorous pace than Honors and is the course most college bound students should be taking.

0221 WORLD HISTORY - HONORS
Grade 10; Required: 1 Credit/Year

This course presents a chronological history from Renaissance to the present. The Renaissance in Europe, Africa, the Americas, and the Far East are examined as well as the ages of revolution, industrialism, and imperialism. The program continues with World War I and II and concludes with explorations of today's world in Africa, the Middle East, Asia, Latin America, Europe, and the United States. World History is designed to meet the needs of academic students who wish to pursue their interests in the Social Sciences.

0270 EUROPEAN HISTORY – ADVANCED PLACEMENT
Grades 10-12; Elective; 1 Credit/Year
Requirement: Those registered for the course are required to take the Advanced Placement Examination and be responsible for all fees.

This is a course designed to prepare students for the Advanced Placement examination in European History. It will focus on the major historical movements of Europe. This course will provide students with an opportunity to work with college level materials in a seminar setting.

0235 CIVICS/ECONOMICS

Grade 11; Required; 1 Credit/Year

Student should speak with a counselor prior to signing up for this course.

A course designed to give the student a basic understanding of government, and economics. Reading comprehension, vocabulary development and communication skills are emphasized.

0232 CIVICS/ECONOMICS - CP

Grade 11; Required; 1 Credit/Year;

Prerequisite: Successful completion of previous Social Studies course.

This is a course designed for the student who will benefit from an understanding of a broad, conceptual approach to the relationship of government action and economic realities. The emphasis is on developing social science skills and applying them to new experiences. This course provides the opportunity for experiential learning by college bound students who may not pursue a career in the social sciences.

0231 CIVICS/ECONOMICS - HONORS

Grade 11; Required; 1 Credit/Year;

This course is designed for the student who benefits from an advanced application of developed social studies skills through the complex study of government and economic problems and solutions. The emphasis is on the analysis and interpretation of these problems through extensive research, investigation, and discussion.

0290 ECONOMICS AP

0237 HONORS CIVICS

Grade 11; Required; 1 Credit/Year;

Students must sign up for both sections (0290 and 0237).

This course is designed for the student who benefits from an advanced application of developed social studies skills through the complex study of government and economic problems and solutions. The emphasis is on the analysis and interpretation of these problems through extensive research, investigation, and discussion. In this course students will receive preparation to succeed in the AP Microeconomics Test. Student will also learn about the working of the U.S. government and governments around the world.

TWELFTH GRADE ELECTIVE OFFERINGS COURSE DESCRIPTIONS

To fulfill graduation requirements, seniors must take one credit of a social studies elective, in addition to passing U.S. History, World History, and Civics/Economics. They may choose to take the following half-year or full-year courses that are listed below.

NOTE: If choosing from the semester courses, students must select two of the four semester courses for one full-year credit.

0245 SOCIAL STUDIES 12 (SPECIAL READING PROJECT IN SOCIAL STUDIES)
Grade 12; Elective; 1 Credit/Full Year
Student should speak with a counselor prior to signing up for this course.

This course is taught with an emphasis on biographical content with respect to the surroundings and the time which the person lived. The civic and economic impact of the time period is compared and contrasted with our contemporary society. Communication skills, both oral and written, are the primary indicators for student progress.

0263 CONTEMPORARY POLITICAL ISSUES
Grade 12; Elective; ½ Credit/Semester

This semester course focuses on the time frame 1960's to the present. A brief overview of the post World War II through the early '60's will also be provided as background to the more contemporary period. The primary focus will be to examine those historical, political, social, and economic topics and events that have influenced the United States and the global community. Examples include, but are not limited to the Vietnam War, Mid East conflicts, Reaganomics, the Clinton Years, September 11 and its aftermath. Included topics correlate with the Delaware Social Studies Standards.

0268 ECONOMICS AND FINANCE
Grade 12; Elective; ½ Credit/Semester

This semester course focuses on how individual choices are impacted and influenced by the economy as a whole. Students will use data, case studies, and current information to interpret, analyze, and evaluate issues pertaining to education, career goals, decision making, investing, housing, transportation, health care, and retirement. This course will provide students an opportunity to attain the critical skills needed for a successful future in financial planning.

0264 PSYCHOLOGY
Grade 12; Elective; ½ Credit/Semester

This semester course will introduce students to the field of psychology. Content may include, but is not limited to the following: the science of psychology, altered states of consciousness, stress, abnormal psychology, and psychosociobiology, social psychology, and dreams.

0261 THE LEGAL PROCESS IN ACTION
Grade 12; Elective; ½ Credit/Semester

This semester course will allow students to develop critical thinking skills through law-related education. Topics include the criminal process, juvenile justice, and consumer rights.

0275 MILITARY HISTORY
Grade 12; Elective; ½ Credit/Semester

Military History is a survey course that examines history from a military perspective. The course will analyze major military topics and themes throughout western history with an emphasis on the development of warfare from antiquity to the modern era. Furthermore, the course will look at the leaders, strategist and soldiers who waged these wars. This course will also examine the evolution of technology and its impact on warfare. This course will provide students an opportunity to work with college-level discussion, research, and interpretation.

0260 U.S. HISTORY – ADVANCED PLACEMENT
Grades 11-12; Elective; 1 Credit/Year

Requirement: Those registered for the course are required to take the Advanced Placement Examination and be responsible for all fees.

This is a course designed for the student who will benefit from an advanced application of well-developed social science skills through an analysis of the United States' history and institutions beginning with the Discovery era and continuing through the present day. Research and writing skills, analysis and interpretation are strongly emphasized. Students will be required to take the American History Advanced Placement Examination for college credit at the completion of this program.

0200 AP GOVERNMENT AND POLITICS: UNITED STATES
Grade 11-12; Required; 1 Credit/Year

Requirement: Those registered for the course are required to take the Advanced Placement Examination and be responsible for all fees.

This course is designed to prepare students for the Advanced Placement examination in American Government and Politics by using college-level materials in a seminar setting. The course will examine in some detail the principal processes and institutions through which the political system functions, as well as some of the public policies that these institutions establish and how they are implemented. Topics include: the Constitutional foundations of American government, the citizen base of politics, political parties and interest groups, the institutions of the three branches of the national government, the policy-making process and civil rights and civil liberties.

0280 PSYCHOLOGY – ADVANCED PLACEMENT

Grade 12; Elective; 1 Credit/Year

Requirement: Those registered for this course are required to take the Advanced Placement Examination and be responsible for all fees.

This course is designed to prepare students for the Advanced Placement examination in Psychology. A seminar format will be used with college-level material. Topics include: History and careers in Psychology, Biological bases of behavior, Sensation and perception, Cognition, States of Consciousness, Learning Intelligence, Motivation and Emotion, Developmental Psychology, Personality, Social Psychology, Abnormal Psychology and Treatment of disorders. Research and analysis skills will be reinforced.

0269 INTRODUCTION TO ART HISTORY

Grades 10-12; Elective; 1 Credit/Year

This course is a survey of world art from Antiquity to the present. It will focus on the media of painting, sculpture, and architecture of various cultures. The course will feature highlights from art movements of Europe, Africa, the Middle East, Asia, and the Americas. This course is meant to be an introduction, and its intent is to equip students with the tools necessary to pursue further study of the history of art.

0250 ART HISTORY – ADVANCED PLACEMENT

Grades 10-12; Elective; 1 Credit/Year

Requirement: Those registered for this course are required to take the Advanced Placement Examination and be responsible for all fees.

This course is designed to continue where the Introduction to Art History course ends. It will focus on the painting, sculpture, and architecture of world art from the 19th Century to the present. This course will provide students with an opportunity to work with college level materials and further enhance their interest in Art History.

TECHNOLOGY EDUCATION

DRAFTING AND DESIGN - ARCHITECTURAL CAREER PATHWAY

1107 DRAFTING AND DESIGN– CAD I.
CIP: 21.030111
Grades 9-10; Elective; 1 Credit/Year

This introductory course investigates the fundamental skills necessary for careers in design, architecture, construction management, and engineering. Classroom activities revolve around student assignments in manual and computer-aided drafting, basic model building, and engineering problem-solving. Students are expected to work in an independent and mature manner with high levels of accuracy and precision. Group work and team-building activities are embedded within the curriculum as is initial participation in the Technology Student Association. Measuring skills, basic operations with decimals and fractions, and an understanding of fundamental geometric principles are stressed throughout the curriculum.

1108 ARCHITECTURAL – CAD II.
CIP: 21.030212
Grades 10-11; Elective; 1 Credit/Year
Prerequisite: Successful completion of Drafting & Design – CAD I.

This course is intended for students who plan to pursue careers in architecture, landscape architecture, civil engineering, mechanical engineering, or construction management. Students work independently within a design studio format to adopt both the natural and man-made environment for human use. Exposure to advanced manual drafting practices, Autodesk computer-aided drawing applications and architectural model building are featured in this class. Participation in a variety of drafting and design competitions are embedded within the curriculum and include a drafting competition sponsored by Delaware Technical and Community College and an architectural design and model building competition sponsored by the Technology Student Association.

1109 ARCHITECTURAL – CAD III.
CIP: 21.030213
Grades 11-12; Elective; 1 Credit/Year
Prerequisite: Successful completion of Drafting & Design – CAD I.;
Architectural - CAD II.

The purpose of this advanced studio is to broaden student exposure to various architecture and civil engineering problems while simultaneously refining existing drafting and model building skills. Students enrolled in this class are expected to be highly motivated individuals who possess the ability to work independently on assignments that can span from 4-6 weeks in duration. Teacher interaction is more indirect in this advanced course with emphasis instead placed on the student's unique

design solutions and co-operative collaboration with classmates. Classroom activities are frequently enriched by participation in regional design competitions which attempt to expand the scope of the curriculum outside of the traditional classroom setting.

0899 COMMUNICATION TECHNOLOGY RESEARCH & DEVELOPMENT
IV. (INDEPENDENT DESIGN STUDIO)
CIP: 21.030814

This independent study course builds upon the format and focus of Architectural Design – CAD III. Students are expected to work independently on a variety of long-term design projects with periodic teacher review. This class does not meet in a typical classroom format. Instead, individuals arrange mutually convenient studio and review time with the instructor.

COMMUNICATIONS TECHNOLOGY CAREER PATHWAY

0896 COMMUNICATIONS TECHNOLOGY 1
CIP: 21.030411
Grades 9-10; Elective; 1 Credit/Year

This course is designed to promote creativity as well as technical skills in the area of graphic communications through the study of printing technology. The students will acquire fundamental knowledge of color displays, management and usage, digital printing, and digital image capture. A strong emphasis is placed on design layout, text composition, page composition, and business aspects of printing, through practical image manipulation and good design principles. Careers in communications technology will be explored throughout the course.

0897 COMMUNICATIONS TECHNOLOGY 2
CIP: 21.030412
Grades 10-12; Elective; 1 Credit/Year

Emphasis is placed on developing professional-level elements for the student's portfolio. Students will develop skills in basic theory, practice, and operations of single-camera production, and videotape editing. Projects, exercises, comprehension and correct use of terminology/vocabulary and concepts are emphasized.

0898 COMMUNICATIONS TECHNOLOGY 3
CIP: 21.030413
Grades 11-12; Elective; 1 Credit/Year

Students will apply and transfer knowledge and skills within a production studio. Emphasis is placed on developing professional-level elements for the student's portfolio. Advanced students will have the opportunity for independent study projects. Students will develop skills in script writing, operations of multi-camera production, video editing, and on-camera presentation. Projects, exercises, comprehension and correct use of terminology/vocabulary and concepts are emphasized.

0899

COMMUNICATION TECHNOLOGY 4

CIP: 21.030414

Grades 11-12; Elective; 1 Credit/Year

Students will synthesize skills in previous courses. This class will examine communications law and ethics. Students will focus on the theories and methodologies of communications and examine the professional careers and academic studies of communications.