

ART DEPARTMENT

INTRODUCTION TO ART

5 CREDITS

Prerequisite: None

Full Year

The course explores the principles and elements of design through a variety of techniques which include: watercolor, tempera, sketching, enlarging, pen and ink, block printing and other two-dimensional forms of expression. The course is recommended for any student interested in taking ADVANCED ART, ART WORKSHOP or COMMERCIAL ART at a later time. (Performing Art)

ADVANCED ART

5 CREDITS

Prerequisite: Introduction to Art or department approval

Full Year

The course explores in greater depth the principles of design offered in the introductory year. Projects in sculpture and still life drawing are added to the requirements. (Performing Art)

ADVANCED PLACEMENT ART HISTORY

5 CREDITS

Prerequisite: Grades 10-12; must achieve a proficient score on standardized tests in Language and Writing Skills; B in English; department approval

The A.P. offering in Art History provides the student with an understanding and enjoyment of painting, sculpture, architecture and other art forms within historical and cultural contexts. Students will examine major forms of artistic expression from the past and present from a variety of cultures. They will learn to look at works of art critically, with intelligence and sensitivity. They will also be able to analyze what they see. (Performing Art)

ART APPRECIATION

2.5 CREDITS

Prerequisite: None

One Semester

This course provides the student with an introduction to understanding the elements and principles of design in the context of aesthetics, art criticism, and art production. Students will be presented with a chronology of western and non-western influences and will have the opportunity to explore different art media in a studio (hands-on) setting. (Performing Art)

ART WORKSHOP

5 CREDITS (Single period)
10 CREDITS (Double period)

Prerequisite: B in Advanced Art or permission of dept supervisor

Full Year

This course is designed for students talented in a variety of art media. The workshop provides for individual development and experimentation in a choice of different media. The student interested in further art training will find the course ideal for portfolio preparation. (Performing Art)

CREATIVE CRAFTS

2.5 CREDITS

Prerequisite: None

One Semester

The course will cover yarn design, mosaics, copper embossing, paper marbling, latch hook rugs, dream catchers, plaster sculpture, collage, graphic design, and related projects. Included will be instruction in the techniques of each area.

Students will be able to work in one or all areas of study. The emphasis of the course will be placed on individual goals and achievements. (Performing Art)

DIGITAL PHOTOGRAPHY

2.5 CREDITS

Prerequisite: None

One Semester

In this semester course, students begin by learning general photographic concepts. Composition skills are then added to photographs, and image-editing is practiced. Students will learn how to use layers, crop images, color and lighting concepts, hue and saturation, and exposures and special effects. Graphic design, artistic elements, and software skills are taught while producing graphic images. The concept of design as a manner of visual communication is carried on throughout the course. Students are expected to build a portfolio of work and explore the fields of photography, graphic arts, advertising, and illustration. (Performing/Practical Art)

GRAPHIC ART

5 CREDITS

Prerequisite: None

Full Year

This course will introduce students to the basic aspects used by graphic artists. Students will design and produce brochures, posters, programs, tickets, awards, business cards, tee shirts, signs, logos, and other pieces. Emphasis will be placed on vocational opportunities. (Performing/Practical Art)

JEWELRY AND METAL ENAMELING 1

2.5 CREDITS

Prerequisite: Upperclassmen given preference; Approximate cost of material - \$5-\$10

One Semester

This introductory class gives students the basic techniques of metalworking/jewelry making. Most of these techniques involve piercing, sawing, riveting, forming and soldering. Projects may include keychains, pendants and rings. (Performing Art)

JEWELRY AND METAL ENAMELING 2

2.5 CREDITS

Prerequisite: B- in Jewelry 1 or Dept approval; upperclassmen given preference; Approximate cost of material - \$5-\$10

One Semester

This is an advanced level class for students who have completed Jewelry 1. At this level, students will be expected to design and create projects utilizing previously learned techniques as well as incorporating newly introduced ones such as stone setting and repousse. (Performing Art)

SCULPTURE AND CERAMICS 1

2.5 CREDITS

Prerequisite: Upperclassmen given preference

One Semester

This course is designed to help students develop practical and technical knowledge in hand-formed ceramics (no mold work). Various forming processes, including coil and slab wheel, will be experienced along with strong emphasis on textural and glazed decoration. (Performing Art)

SCULPTURE AND CERAMICS 2 2.5 CREDITS
Prerequisite: **Sculpture and Ceramics 1** One Semester
upperclassmen given preference

This course is designed for Ceramics 1 students who wish to continue further development and experimentation in hand-formed ceramics. Advanced wheel methods plus more complex sculptural work are stressed. (Performing Art)

STAINED GLASS 1 2.5 CREDITS
Prerequisite: **Grades 11-12; Permission of dept supervisor** One Semester

Stained Glass 1 will be open to advanced art students who have taken other art courses in the department. The course will cover the two major styles of stained glass construction, namely, Tiffany style and lead cane construction. The class will also cover glass cutting, copper foil wrapping (Tiffany style), lead cane wrapping, and soldering which are all basic stained glass skills. Students will be encouraged to design their own patterns and create original glass art. (Performing Art)

BUSINESS DEPARTMENT

BUSINESS ORGANIZATION AND MANAGEMENT
Prerequisite: **None** 5 CREDITS
Full Year

Students are given an understanding of the principles of business organization. Some of the areas included are money and banking, insurance, budgeting, the consumer movement, government and industry. Internet projects will be infused into the curriculum. (Practical Art)

CAREER DEVELOPMENT 2.5 CREDITS
Prerequisite: **None** One Semester

Basic information will be presented to the student. The course is designed to develop self-awareness of one's interests and aptitudes as well as to strengthen decision-making skills. Students are made aware of the extensive amount of material on careers via fifteen occupational clusters, as defined by the United States Office of Education, and will be taught how to find and use the information. The Career Development course will allow students to explore the many careers available to them and to begin the process of discovering a path to a future career. Internet research will be incorporated in the process. (Practical Art)

HONORS ACCOUNTING 5 CREDITS
Prerequisite: **B in Algebra 2; Grades 11-12** Full Year

College Preparatory Accounting uses a college-level textbook and is taught at an accelerated pace. It is an introductory course for students who plan to continue their education in the area of accounting or business administration. Students will study the nature and significance of accounting through recording and summarizing business transactions as related to a sole proprietorship, partnership and corporation. Topics to be covered include the preparation of financial statements, adjusting, closing and reversing entries, inventory evaluation, fixed assets and depreciation, and analyzing the activities in the management and decision-making process. Students will

incorporate computer assignments utilizing Microsoft Excel. The importance of accounting records in the management and decision-making process will be stressed during the course. **This course is being offered in conjunction with Middlesex County College. If you choose to obtain 4 college credits for this course, you will be required to pay a nominal fee to the college for obtaining these credits.** (Practical Art)

COMPUTERIZED ACCOUNTING 1 5 CREDITS
Prerequisite: **None** Full Year

The following basic accounting principles and procedures for operating small businesses will be studied: debits and credits, recording business transactions, and financial reports in relation to a sole proprietorship. Simulation practice sets will be used. Students will learn to integrate computerized spreadsheets into the accounting records using Microsoft Excel, a widely used spreadsheet program in the Windows environment. Also, students will explore career and higher educational opportunities in the fields of accounting and business management. This course is highly recommended not only for business students but also for college preparatory students who are planning careers in accounting or business administration. (Practical Art)

COMPUTERIZED ACCOUNTING 2 5 CREDITS
Prerequisite: **Computerized Accounting 1** Full Year

This course is designed for students who want to go on to higher education in the field of business, finance, or accounting. It will include an in-depth study of accounting principles dealing with sole proprietorships, partnerships and corporations. The units learned will include: The Accounting Cycle; Accounting for Assets, Liabilities and Equity; Understanding and Analyzing Business Information; Accounting for Other Forms of Organizations; and Special Accounting Systems. Students will learn to integrate computerized spreadsheets into their accounting records using Microsoft Excel, a widely-used spreadsheet program in the Windows environment. Students will also explore career and higher-education opportunities in the fields of accounting and management. (Practical Art)

COOPERATIVE BUSINESS EDUCATION 15 CREDITS
Prerequisite: **Grade 12. Prior to senior year** Full Year

students must complete 90 credits, including 2.5-credit business class; including 2.5-credit business class; must have passed all sections of HSPA

This course is designed to further develop previously acquired business skills and training necessary for job placement through a competency based hands-on approach to learning. Students will employ computer-integrated applications and will focus on topics such as time management, records management, mail processing, telephone techniques, business etiquette, working with others, and solving business problems on electronic calculators. Students will become proficient in workstation management and job safety. They will travel through the job seeking process and produce a personal resume and letter of application. In addition to class work, students will have the opportunity to gain on-the-job work

experience through the supervised co-op portion of the program. (Practical Art)

COOPERATIVE BUSINESS EDUCATION 10 CREDITS

Prerequisite: Teacher/coordinator Full Year
recommendation, completed a
minimum of 90 credits with 5
credits in business courses, and
passed HSPA

This is a cooperative program between school and the business community. The course is designed to further develop previously acquired business skills and training necessary for job placement through a competency-based hands-on approach to learning. Students will employ computer-integrated applications and will focus on topics such as time management, records management, mail processing, telephone techniques, business etiquette, working with others, and solving business problems on electronic calculators. Students will become proficient in workstation management and job safety. They will travel through the job seeking process and produce a personal resume and letter of application. In addition to class work, students will have the opportunity to gain on-the-job work experience through the supervised co-op portion of the program. Besides classroom lessons, a minimum of 270 hours of outside school-supervised work is required. (Practical Art)

COMPUTER APPLICATIONS AND INFORMATION PROCESSING 5 CREDITS

Prerequisite: None Full Year

This course will enable students to utilize Microsoft Word, Microsoft Publisher, and other popular application programs in the Windows environment. Students will learn the correct formatting of documents that will be required in other classes and will develop work and communication skills necessary for success in personal and educational endeavors. (Practical Art)

COMPUTER PRESENTATION AND DESIGN

Prerequisite: Computer Applications 2.5 CREDITS
and Information One Semester
Processing

In this course, students will acquire computer application skills that will prepare them for college and/or the workplace. Students will be taught computer design skills and procedures for the planning and preparation of multimedia presentations. Using Internet research strategies, online design elements will be examined and recreated. These design elements will also be incorporated into student prepared multimedia presentations which will be shared and critiqued by classmates and teachers. Projects can be designed to simulate real world marketing and business experiences. (Practical Art)

MARKETING 1 – ESSENTIALS 5 CREDITS

Prerequisite: Grades 10-11 Full Year

Marketing Education 1 is taught on a career-sustaining level which will prepare students for marketing occupations involving complex duties, using routine decision-making skills, and having limited control of one's own working environment. Individuals in a career-sustaining level job should have a basic understanding of the marketing concept and its foundations. Students should have an interest in

marketing and related fields as a potential career. Students are expected to participate in the student organization, DECA. (Practical Art)

MARKETING 2 – ENTREPRENEURSHIP & SMALL BUSINESS MANAGEMENT 5 CREDITS

Prerequisite: Marketing 1 or permission of Full Year
supervisor

Students will gain an understanding of the need for entrepreneurship and the role of small business in the U.S. economy. They will learn what it takes to become an entrepreneur, how to create and expand a small business while developing social and ethical responsibility. Students are expected to participate in the student organization, DECA. (Practical Art)

MARKETING 3 – COOPERATIVE WORK EXPERIENCE PROGRAM 15 CREDITS Full Year

Prerequisite: Grade 12 only. Prior to senior
year students must complete 90
credits, including Marketing 1;
must have passed all sections of
HSPA

Cooperative Education is the phase of the marketing program that prepares students for entry-level employment in management, merchandising and service occupations. The course covers many phases of marketing, utilizing a competency-based, hands-on approach to learning. After completing the Marketing 3 course, students are ready to obtain beginning positions in marketing and advance to supervisory levels in their chosen occupations. Marketing 3 students are expected to demonstrate competency through successful participation in the cooperative education program and the student organization, DECA. (Practical Art)

MARKETING 3 – COOPERATIVE WORK EXPERIENCE PROGRAM 10 CREDITS Full Year

Prerequisite: Recommendation of teacher/
coordinator or supervisor,
completed Business Organization
and Management or a course in
Marketing, completed a
minimum of 90 credits, and
passed the HSPA

This is a cooperative program between school and the business community. Cooperative Education is the phase of the marketing program that prepares students for entry-level employment in management, merchandising and service occupations. The course covers many phases of marketing, utilizing a competency-based, hands-on approach to learning. After completing the Marketing 3 course, students are ready to obtain beginning positions in marketing and advance to supervisory levels in their chosen occupations. Marketing 3 students are expected to demonstrate competency through successful participation in the cooperative education program and the student organization, DECA. Besides classroom lessons, a minimum of 270 hours of outside school-supervised work is required. (Practical Art)

MICROSOFT OFFICE FOR COLLEGE 2.5 CREDITS
Prerequisite: **Keyboarding at middle or high school level; Grades 10-12** One Semester

Students will learn to use the various programs in Microsoft Office at a fast pace. The course will focus on the more advanced applications in the Microsoft Office Suite. Students will be taught the basics of Word, Excel, PowerPoint, and Access and will be given projects to develop their skills. They will learn to utilize merges, macros, and advanced editing in Word. Students will be able to incorporate additional formulas, advanced graphics, and macros into their spreadsheets. Integration of Word and Excel will be emphasized and students will create relational databases with Microsoft Access. The course will also focus on Microsoft PowerPoint. PowerPoint will allow students to prepare top-quality presentations for professional looking reports, slides, overheads, and handouts. The course will give the college-bound student an advantage when preparing reports, graphic designs, projects, and activities for college. The Internet will be utilized for tutorials and graphics. (Practical Art)

MICROSOFT WORD 2.5 CREDITS
Prerequisite: **None** One Semester

The following basic word processing skills will be studied: creation and editing of a document, use of templates/styles, effective presentation of information (bullets, backgrounds, tables), insertion of comments/revision tracking, and application of headers and tables of contents. Students will learn to integrate a variety of work skills in the production of flyers, agendas, letters, invitations, brochures, menus, research paper, and a market plan. The course is recommended for all students. (Practical Art) This course is pending Board approval.

OFFICE MANAGEMENT SYSTEMS 1 5 CREDITS
Prerequisite: **1 year of keyboarding experience** Full Year

This course is designed to meet the needs of students who are planning careers in the office field. It will help students integrate and refine office skills and knowledge acquired in other business courses. Students will develop work, attitude and communication skills essential for success. (Practical Art)

MONEY MANAGEMENT & FINANCIAL LITERACY 2.5 CREDITS
Prerequisite: **Grades 11-12** One Semester

This course will show students how to manage their personal finances now and in the future. Students will gain an insight into how businesses manage their finances and why wise financial management is critical to personal and business success. They will learn about checking accounts, savings plans, investment plans and options, as well as purchasing, financing, and insuring an automobile. Emphasis will be placed on establishing and maintaining a good credit rating. In addition, students will investigate sources of funding, including scholarship opportunities available to cover costs of college or other postsecondary educational choices. Students will have the opportunity to meet and talk with investment experts, financial planners, bankers, and other representatives from lending institutions. (Practical Art)

SPORTS AND ENTERTAINMENT MARKETING 2.5 CREDITS
Prerequisite: **Marketing 1 or Business Organization & Mgmt (Upperclassmen given preference)** One Semester

The Sports and Entertainment Marketing course is designed for students who are interested in studying the entertainment industry. Students will learn the basic functions of marketing and how those functions are applied to sports and other entertainment events. Basic market functions such as financing, pricing, promotion products, distribution, and selling will be explored. Students will learn the strategies used by successful sports and entertainment marketing firms who represent various products and will investigate websites for team merchandise and celebrity fan clubs. Students will become acquainted with people who have succeeded in sports and entertainment and marketing careers. Legal and ethical issues surrounding the sports and entertainment industries will be examined. Interesting facts and statistics about sports teams and entertainers will be discussed. (Practical Art)

LANGUAGE ARTS DEPARTMENT

ENGLISH 9 HONORS 5 CREDITS
Prerequisite: **Grade in previous English, teacher recommendation, score on entrance essay, standardized test scores** Full Year

English 9 Honors provides the highly motivated student with an intensive study of literary forms, along with an emphasis on the skills of vocabulary development, grammar and essay writing. Course reading requirements will be enhanced by a large variety of works representing the literary genres, including poetry, the novel, the short story and drama. A wide range of essay writing assignments, including a research paper, will be given in which critical thinking skills will be emphasized. Outside readings and analyses of selected books will be required throughout the year. The completion of an honors summer reading assignment is required.

ENGLISH 9 CP 5 CREDITS
Prerequisite: **Passing grade in LAL 8, standardized test results;and/or teacher recommendation** Full Year

English 9 CP is designed to provide students with a solid language arts foundation. This course combines the study of literary forms with the study of language, composition, mechanics, and vocabulary development. The course also focuses on increasing students' proficiency in listening and speaking skills and on developing their ability to comprehend and to use nontextual visual information. Students study the novel, short stories, plays, tales and legends, and poetry in order to identify main ideas, supportive details, patterns of organization, and author's purpose and style. Writing activities include opportunities for students to react to literature, to conduct research, and to think about their ideas and feelings and the events and people in their lives. Students learn strategies to assist them in writing clearly and in crafting their texts with appropriate conventions of spelling, grammar,

and punctuation as they revise, edit, and publish. Completion of the 9th grade summer reading assignment is required.

ENGLISH 9 (ASI)

5 CREDITS

Prerequisite: Eligibility determined by Full Year results of standardized tests; C or below in ASI; and/or teacher recommendation

English 9 is designed for students who experience serious difficulties with basic composition, usage, and vocabulary skills development. Special emphasis is placed on increasing students' writing process and reading comprehension skills. Students learn strategies to assist them in writing clearly and in crafting their texts with appropriate conventions of spelling, grammar, and punctuation as they revise, edit, and publish. Writing activities include opportunities for students to write in response to non-fiction and literature, to conduct research, and to think about their ideas, feelings and the events and people in their lives. The course also focuses on increasing students' proficiency in listening and speaking skills and on refining their ability to comprehend and to use nontextual visual information. In addition, students study the novel, short stories, and plays in order to identify main ideas, supportive details, patterns of organization, and author's purpose and style. Completion of the 9th grade summer reading assignment is required.

READING 9

5 CREDITS

Prerequisite: Eligibility determined by Full Year results of standardized tests, and/or teacher recommendation

This course is designed to meet the needs of students who have yet to achieve proficiency in one or more basic reading skills. The course provides direct instruction in recognizing patterns of organization such as cause and effect; in developing strategies to construct meaning from fiction and non-fiction text; in identifying main idea, characterization, setting, plot, theme, and author's purpose; in extending vocabulary; and in responding to open-ended questions on text. The course also promotes lifelong habits of reading and thinking through its SSR (sustained silent reading) component. Students are provided a wide variety of materials, and along with their instructor, students read for pleasure for a sustained period of time at least three times a week. On a volunteer basis only, students review/critique their texts, create projects, and participate in book talks.

ENGLISH 10 HONORS

5 CREDITS

Prerequisite: Grade in previous English, Full Year teacher recommendation, score on entrance essay, standardized test scores

English 10 Honors is a continuation of English 9 Honors. English 10 Honors provides the highly motivated student with an intensive study of literary forms, along with an emphasis on the skills of vocabulary development, grammar and essay writing. Course reading requirements will be enhanced by a large variety of works representing the literary genres, including poetry, the novel, the short story and drama. A wide range of essay writing assignments, including a research paper, will be given in which critical thinking skills will be

emphasized. Outside readings and analyses of selected books will be required throughout the year. The completion of an honors summer reading assignment is required.

ENGLISH 10 CP

5 CREDITS

Prerequisite: Passing grade in English 9 CP, Full Year standardized test results and/or teacher recommendation

English 10 CP is designed to provide students with a well-rounded language arts background. This course combines the study of literary forms with the study of language, composition, mechanics, and vocabulary development. The course continues an emphasis on increasing students' proficiency in listening and speaking skills and on refining their ability to comprehend and to use nontextual visual information. Students study the novel, short stories, plays, tales and legends, and poetry in order to identify main ideas, supportive details, patterns of organization, and author's purpose and style. Writing activities include opportunities for students to react to literature, to conduct research, and to think about their ideas and feelings and the events and people in their lives. Students learn strategies to assist them in writing clearly and in crafting their texts with appropriate conventions of spelling, grammar, and punctuation as they revise, edit, and publish. Completion of the 10th grade summer reading is required.

ENGLISH 10 (ASI)

5 CREDITS

Prerequisite: Eligibility determined by Full Year results of standardized tests, C or below in English 9 (Core), and/or teacher recommendation

English 10 is designed for students who continue to experience serious difficulties with basic composition, usage, and vocabulary skills development. Special emphasis is placed on increasing students' writing process and reading comprehension skills. Students learn strategies to assist them in writing clearly and in crafting their texts with appropriate conventions of spelling, grammar, and punctuation as they revise, edit, and publish. Significant instructional time is spent in the basic skills computer lab where students use the Internet and a variety of software programs to increase critical thinking and to provide practice in developing organization, coherence, and revising/editing skills. Writing activities include opportunities for students to write in response to the daily newspaper, to react to literature, to conduct research, and to think about their ideas and feelings and the events and people in their lives. The course also focuses on increasing students' proficiency in listening and speaking skills and on refining their ability to comprehend and to use nontextual visual information. In addition, students study the novel, short stories, and plays in order to identify main ideas, supportive details, patterns of organization, and author's purpose and style. Completion of the 10th grade summer reading is required.

READING 10

5 CREDITS

Prerequisite: Eligibility determined by Full Year results of standardized tests, and/or teacher recommendation

This course is designed to meet the needs of students who continue to experience difficulties with one or more basic reading skills. The course continues to provide direct instruction in recognizing patterns of organization such as cause and effect; in developing strategies to construct meaning from fiction and non-fiction text; in identifying main idea, characterization, setting plot, theme, and author's purpose; in extending vocabulary; and in responding to open-ended questions on text. The course also promotes lifelong habits of reading and thinking through its SSR (sustained silent reading) component. Students are provided a wide variety of materials, and along with their instructor, students read for pleasure for a sustained period of time at least three times a week. On a volunteer basis only, students review/critique their texts, create projects, and participate in book talks.

ENGLISH 11 HONORS 5 CREDITS

Prerequisite: Grade in previous English, Full Year teacher recommendation, score on entrance essay, standardized test scores

English 11 Honors is a continuation of English 10 Honors. English 11 Honors provides independent, self-motivated students with an intensive study of literary forms, vocabulary development, and expository writing. Students will delve into themes of the American experience through the reading of novels, drama, the short story, and poetry. Expository writing assignments will be extended to focus on literary theories in application to literature. Additionally, students will be expected to complete a literary criticism paper using research. A strong focus will be placed on critical thinking skills through the reading of texts independently. The completion of an honors summer reading assignment is required.

ADVANCED PLACEMENT ENGLISH 1 5 CREDITS

Prerequisite: Grade in previous English, Full Year teacher recommendation, score on entrance essay, standardized test scores

Advanced Placement (A.P.) English I is part one of an academically rigorous two-year program that provides interested students with the critical thinking, literary analysis, and expository writing skills necessary to pass the national A.P. exam and excel in college courses.* Students engage in close reading of a variety of texts to sharpen their awareness of diction, syntax, tone, author's purpose, and the use of figurative language and rhetorical devices. They also develop critical standards for an appreciation of the historical, contemporary, and cultural significance of important literature. Writing assignments emphasize the critical analysis of literature. Students learn to avoid plot summary and to present ideas in a clear, coherent, and persuasive manner. The course also emphasizes vocabulary enrichment, speaking and listening skills, and proficiency in comprehending and applying nontextual visual information. The completion of an A.P. summer reading assignment is required.

*The national A.P. English exam is held in May of each year; students enrolled in A.P. I are strongly encouraged to take this exam in order to receive college credit for the course and/or to qualify for advanced placement standing.

ENGLISH 11 CP 5 CREDITS

Prerequisite: Passing grade in English 10 CP, Full Year standardized test results and/or teacher recommendation

English 11 CP is designed to provide students with comprehensive writing skills instruction, vocabulary development, and a strong background in the American experience as expressed in literature. Students will continue to refine listening and speaking skills and to become more sophisticated in their understanding and application of nontextual information. Students study the novel, short stories, plays, tales and legends, and poetry written by American authors in order to identify main ideas, supportive details, patterns of organization, and author's purpose and style. Writing activities include opportunities for students to react to literature, to conduct research, and to think about their ideas and feelings and the events and people in their lives. Students learn strategies to assist them in writing clearly and in crafting their texts with appropriate conventions of spelling, grammar, and punctuation as they revise, edit, and publish. Completion of the 11th grade summer reading assignment is required.

ENGLISH 11 (AS) 5 CREDITS

Prerequisite: Eligibility determined by Full Year results of standardized tests, C or below in English 10 (Core), and/or teacher recommendation

English 11 is designed for students who continue to experience serious difficulties with basic composition, usage, and vocabulary skills development. Special emphasis is placed on increasing students' writing process and reading comprehension skills. Students will learn strategies to assist them in writing clearly and in crafting their texts with appropriate conventions of spelling, grammar, and punctuation as they revise, edit, and publish. Writing activities include opportunities for students to write in response to literature and non-fiction, to conduct research, and to think about their ideas and feelings and the events and people in their lives. The course also focuses on increasing students' proficiency in listening and speaking skills and on refining their ability to comprehend and to use nontextual visual information. In addition, students study the novel, short stories, plays, tales and legends, and poetry written primarily by American authors in order to identify main ideas, supportive details, patterns of organization, and author's purpose and style. Particular attention is given to providing students with the reading and writing skills needed to pass the HSPA. Completion of the 11th grade summer reading assignment is required.

READING 11 5 CREDITS

Prerequisite: Eligibility determined by Full Year results of standardized tests, and/or teacher recommendation

This course is designed to meet the needs of students who continue to experience difficulties with one or more basic reading skills. The course continues to provide direct instruction in recognizing patterns of organization such as cause and effect; in developing strategies to construct meaning from fiction and non-fiction text; in identifying main idea, characterization, setting, plot theme, and author's purpose; in

extending vocabulary; and in responding to open-ended questions on text. Students receive intensive instruction and practice with test-taking strategies that increase success on the HSPA. The course also promotes lifelong habits of reading and thinking through its SSR (sustained silent reading) component. Students are provided a wide variety of materials, and along with their instructor, students read for pleasure for a sustained period of time at least three times a week. On a volunteer basis only, students review/critique their texts, create projects, and participate in book talks.

ADVANCED PLACEMENT ENGLISH 2 5 CREDITS
Prerequisite: Grade in previous English, Full Year
teacher recommendation, score
on entrance essay, standardized
test scores

Advanced Placement (A.P.) English 2 is the second half of an academically rigorous two-year program that provides interested students with the skills needed to foster higher-level thinking in the context of literary theory and analysis. The course offers students an in-depth study of selected works of American, British, and world literature. The literary genres – prose fiction, poetry and drama – are explored and critically evaluated for their complexity and richness in thought and language. The course provides intensive practice in the expository writing skills necessary to pass the national A.P. English exam and to excel in university courses. Writing assignments that focus on the critical analysis of literature are a major component of the course. Students learn to avoid plot summary and to present ideas in a clear, coherent, and persuasive manner. Most of these writing assignments are timed, in-class essays where students are required to analyze writer’s style. The national A.P. English exam is held in May of each year; students enrolled in A.P. II are strongly encouraged to take this exam in order to receive college credit for the course and/or to qualify for advanced placement standing. The completion of the A.P. English II summer reading assignment is required.

ENGLISH 12 HONORS 5 CREDITS
Prerequisite: Grade in previous English, Full Year
teacher recommendation, score
on entrance essay, standardized
test scores

English 12 Honors is a writing intensive course for highly motivated English students. Through a variety of writing projects requiring description, narration, illustration, process analysis, comparison and contrast, definition, classification, literary analysis and a documented essay, students develop competence in writing clear, correct, effective English prose. Extensive reading materials, mostly non-fiction prose but with a few works of fiction, serve as models and as the basis for writing essays. During the course, students will write short papers, submitting drafts and revisions, and a research paper is a requirement. The course will be offered in conjunction with Middlesex County College to provide students with the opportunity to obtain college credit. The completion of an honors summer reading assignment is a requirement of this course.

ENGLISH 12 CP 5 CREDITS
Prerequisite: Passing grade in English 11CP, Full Year
standardized test results, or
teacher recommendation

English 12 CP is designed to provide students with comprehensive writing skills instruction, vocabulary development and a strong background in British literature as well as the literature of a various cultures. Students will continue to refine listening and speaking skills and to become more sophisticated in their understanding and application of nontextual information. Students study the novel, drama, poetry and other works of literature and non-fiction in order to identify main ideas, supportive details, patterns of organization, and author’s purpose and style. Writing activities include opportunities for students to react to literature, to conduct research, and to think about their ideas and feelings and the events and people in their lives. Students learn strategies to assist them in writing clearly and in crafting their texts with appropriate conventions of spelling, grammar, and punctuation as they revise, edit, and publish. Completion of the 12th grade summer reading assignment is required.

ENGLISH 12 (ASI) 5 CREDITS
Prerequisite: Eligibility determined by Full Year
Grade 11 HSPA results

English 12 is designed to meet the needs of students who did not demonstrate proficiency on the language arts section of the Grade 11 HSPA. This course provides intensive instruction in the development of basic reading comprehension and composition skills, including organization, coherence, support, proper usage, and mechanics skills. Students will receive instruction for the AHSA (Alternative High School Assessment) while covering the senior English curriculum. AHSA strategies include individual diagnosis of each student’s weaknesses, one-on-one tutoring, frequent practice with testing prompts, and one-on-one feedback.

READING 12 5 CREDITS
Prerequisite: Eligibility determined by Full Year
results of standardized tests

The course is designed to meet the needs of students who did not demonstrate proficiency on the language arts section of the Grade 11 HSPA. This course provides intensive instruction in recognizing patterns of organization such as cause and effect; in developing strategies to construct meaning from fiction and non-fiction text; in identifying main idea, characterization, setting, plot, theme, and author’s purpose; in extending vocabulary; and in responding to open-ended questions on text. The course also promotes lifelong habits of reading and thinking through its SSR (sustained silent reading) component, which is integrated into the AHSA process after the October HSPA. Students are provided a wide variety of materials, and along with their instructor, students read for pleasure for a sustained period of time at least three times a week. On a volunteer basis only, students review/critique their texts, create projects, and participate in book talks.

COMMUNICATION ARTS THROUGH TELEVISION 1
Prerequisite: Upperclassmen given 5 CREDITS
preference Full Year

This course is designed to introduce students to the field of television and to provide them with the opportunity to develop skills in the communications arts of the medium. The technical aspect of the program offers extensive studio experience including hands-on activities involving television productions. The communications strand of the program introduces students to the world of advertising, basic elements of television, journalism and script writing. Students will learn about and assist in producing a news magazine program that is broadcast throughout the high school. (Performing/Practical Art)

COMMUNICATION ARTS THROUGH TELEVISION 2

Prerequisite: B in TV 1 and /or teacher recommendation 5 CREDITS Full Year

Communications Arts Through Television 2 is the second year of a program designed to provide students with the opportunity to develop skills in the field of television communication. Both technical hands-on studio experience as well as varied forms of communication will be the focus of the course. Students will participate in producing a news magazine program that is broadcast throughout the high school. (Performing/Practical Art)

COMMUNICATION ARTS THROUGH TELEVISION 3

Prerequisite: B in TV 2 and/or teacher recommendation 5 CREDITS Full Year

Communication Arts Through Television 3 is the third year course of a program that develops job skills in the field of television and film/video production. Through hands-on studio experiences, students will produce on-going productions that highlight student achievements, school events, and other important matters. Students will learn the many aspects of audio/video production. Job responsibilities will include the following: camera operation, location and studio sound, scriptwriting, show direction and production, floor management, computer editing, and on-camera presentation. Shows produced will use all digital equipment including video cameras and computers. Software such as Final Cut Pro, Media 100, I Movie, and Screen Writer will be used in conjunction with the computer editing. This course builds student job skills as they pertain to television production, advertising, television journalism, and scriptwriting. Those enrolled in this course will take on leadership roles in the student run news program. (Performing/Practical Art)

CREATIVE WRITING 2.5 CREDITS

Prerequisite: None One Semester

Creative Writing is a class in which the student, in a workshop atmosphere, furthers his/her creative writing skills. The course stresses both technical and creative writing skills, with special emphasis on the development of the ability of the student to evaluate his/her own written work. The course includes work in poetry, prose, and play writing. Major projects include a poetry anthology, a short story and a one-act play.

JOURNALISM 2.5 CREDITS

Prerequisite: B in English One Semester

Journalism is a course designed to introduce the student to the fundamentals of journalistic writing, as well as to the basic skills involved in publishing a newspaper. The emphasis in the class is on clear, concise written expression.

MYSTERIES – DETECTIVES IN LITERATURE AND FILM 2.5 CREDITS

Prerequisite: None One Semester

Designed to provide students with interesting juxtapositions in the mystery and detective genre. The curriculum will cover various detective types including the brilliant detective, the hard-boiled, reluctant, and bumbling detective. In addition, the course will cover female detectives and the effect of gender on the nature of the mystery/crime and on the method of detection. Students will compare and contrast famous detective pairs. Reading, viewing, class/small group discussion and analysis are integral to the Mysteries course. Students will learn strategies for focused viewing, and they will collaborate to prepare multi-media presentations.

MYTHOLOGY 2.5 CREDITS

Prerequisite: None One Semester

This course focuses on the stories of gods and heroes and the impact of these stories on cultural traditions, symbolism in literature, and contemporary society. Famous myths from ancient Greece are the major focus of the course. Through reading, listening, viewing, and responding through creative projects, students gain an appreciation of mythology that will enrich further study of art, music, literature, religion, and science.

PREPARING FOR THE SAT 2.5 CREDITS

Prerequisite: Grade 10-12 One Semester

This course is a half-year elective designed to provide students with a view of the type of verbal and mathematical questions they will encounter on the SAT exam. A comprehensive review of the essentials of vocabulary, reading comprehension, essay writing and grammatical revision will be stressed along with relevant topics in algebra and geometry. Class time will be spent equally in both areas with instruction provided by both a language arts and mathematics teacher.

SPEECH 2.5 CREDITS

Prerequisite: Grades 10-12 One Semester

Speech is an activity-based course. Its purpose is to teach students about public speaking by having them analyze and demonstrate public speaking. Since public speaking situations occur in a variety of real-life contexts, this course is designed to duplicate many of those contexts. The course will explore topic selection, audience analysis, speech preparation and speech delivery. In-class activities will develop and enhance students' ability to effectively communicate in one-on-one situations and provide them with the knowledge and experience to speak confidently in public or in small groups. The course addresses the NJCCC requirements for Language Arts Literacy standard 3.3.

SUPPLEMENTAL STUDY SKILLS

2.5 CREDITS

Prerequisite: Grades 9-11;
recommendation or approval
of Child Study Team

Study Skills is a course that will focus on improving the students' basic studying habits. The skills learned will enable students to access, analyze, evaluate, organize, and use information from a wide variety of sources. Instruction will be offered to increase the student's organizational abilities, time management skills and problem solving skills.

THEATRE 1

5 CREDITS

Prerequisite: None Full Year
Students are introduced to the fundamentals of play production, stage terminology, acting terminology, structure of drama and varieties of drama, through textual reading and class discussion. This introduction provides students with enough understanding of dramatics to enable them to evaluate critically what they read and view. The major emphasis in the classroom is on the actual experience of basic acting techniques. This is accomplished through theatre games and improvisational exercises and, later, preliminary instruction and exercises in stage speech. (Performing Arts)

THEATRE 2

5 CREDITS

Prerequisite: Theatre 1 Full Year
This course is a continuation of Theatre 1. The intent of this course is to widen the student's theatrical scope. Introduction to character analysis, development, and the experience of "new theatre" exercises, provide students with opportunities to become more polished performers. Reading and classroom discussion of the history of drama, stage setting, stage lighting, costuming, and makeup enable students to be more knowledgeable in related areas. (Performing Arts)

THEATRE WORKSHOP

5 CREDITS

Prerequisite: Theatre 2 Full Year
Theatre Workshop is offered to students who have successfully completed Theatre 1 and Theatre 2. Advanced theatre students are offered a great deal of choice and independent study. They are given opportunities to develop characterizations through script and theme analysis and to act as directors of complete stage productions. (Performing Arts)

WORLD LANGUAGE DEPARTMENT

SPANISH 1 FOR NATIVE SPEAKERS

5 CREDITS

Prerequisite: Fluency in Spanish; a
placement test and/or oral
interview may be required;
teacher recommendation

Spanish 1 for Native Speakers is designed for students who are fluent in Spanish who, because of family background or social experience, can understand spoken Spanish and have some functional communication abilities in the language. It follows the same curriculum as Spanish 1; however, instructional modifications will be made to meet the needs of the native speaker. Students will read and write extensively, give oral presentations, and compare the cultures in various Spanish-speaking countries, all while learning about the

fundamental grammatical structures of Spanish and the many ways this language can be used in both formal and informal settings.

SPANISH 2 FOR NATIVE SPEAKERS

5 CREDITS

Prerequisite: Fluency in Spanish; Level 1;
placement test and/or oral
interview may be required;
teacher recommendation

Spanish 2 for Native Speakers is designed for students who are fluent in Spanish who, because of family background or social experience, can understand spoken Spanish and have some functional communication abilities in the language. It follows the same curriculum as Spanish 2; however, instructional modifications will be made to meet the needs of the native speaker. Students will read and write extensively, give oral presentations, and compare the cultures in various Spanish-speaking countries, all while learning about the fundamental grammatical structures of Spanish and the many ways this language can be used in both formal and informal settings.

LEVEL 1 – FRENCH, SPANISH

5 CREDITS

Prerequisite: None Full Year
The goal of Level 1 language courses is to master the basic skills of listening, speaking, reading, and writing and to develop a sense of appreciation for the culture, mores and civilization of the foreign land whose language is being studied.

LEVEL 2 – FRENCH, SPANISH

5 CREDITS

Prerequisite: Level 1 Full Year
Level 2 language courses will continue to reinforce the skills learned in Level 1 and to place emphasis upon the development of fluency in the comprehensive reading of the target language.

LEVEL 3 – FRENCH, SPANISH

5 CREDITS

Prerequisite: C in Level 2 Full Year
These courses further develop aural-oral skills and broaden the reading skills developed at Level 2. They also introduce outstanding literary works, principally short stories or short novels.

LEVEL 4 – FRENCH, SPANISH

5 CREDITS

Prerequisite: B in Level 3 and/or teacher
recommendation Full Year

Emphasis in Level 4 is placed on the ability to converse in the target language on chosen topics of discussion and to achieve an appreciation of literature of the target language.

LEVEL 5 – FRENCH

5 CREDITS

Prerequisite: B in Level 4 and/or teacher
recommendation Full Year

Students who have successfully completed Level 4 of a language with some degree of fluency will be eligible for this course, which will be completely audio-lingual in order to develop the oral potential of the student.

A.P. SPANISH

5 CREDITS

Prerequisite: B in Level 4

Full Year

Students who have successfully completed Level 4 of the language and have indicated a level of fluency will be eligible for this course. The curriculum will be geared to the development of advanced language skills necessary to prepare for the Advanced Placement Examination.

FAMILY AND CONSUMER SCIENCES***DEPARTMENT*****FOODS AND NUTRITION 1**

2.5 CREDITS

Prerequisite: Grades 11-12

One Semester

This is an introductory course designed to familiarize students with the ease and enjoyment of preparing basic nutritious foods. General nutrition, table setting, and etiquette will be studied. Quick breads, cookies, yeast breads, pies and cakes will be covered in this course during the laboratory periods. (Practical Art)

FOODS AND NUTRITION 2

2.5 CREDITS

Prerequisite: Foods & Nutrition 1 or teacher recommendation

One Semester

Continuation of Foods and Nutrition 1. (Practical Art)

GOURMET COOKING

2.5 CREDITS

Prerequisite: Foods & Nutrition 1 and/or teacher recommendation

One Semester

The preparation of special foods using unusual utensils will be the highlight of this class. Students who wish to pursue a career in the food preparation field should consider registering for this course. (Practical Art)

PARENTING AND CHILD DEVELOPMENT**Prerequisite:** Grades 10-12

2.5 CREDITS

One Semester

This course is for those students who are interested in teaching or caring for children, those interested in being parents someday, and those interested in child-related occupations. The role of the family with both its rewards and responsibilities will be included. The four areas of child development: physical, emotional, social and cognitive will be covered from infancy through childhood. Students will be given the opportunity to work with preschool children in a nursery school environment. Upperclassmen given preference. (Practical Art)

MATHEMATICS DEPARTMENT**ADVANCED PLACEMENT CALCULUS** 5 CREDITS**Prerequisite:** A- in Pre-Calculus; teacher recommendation

Full Year

This is a college level course in differential and integral calculus. The course work will help prepare students to follow careers in engineering, physics, mathematics, and to a lesser extent, other science fields. Students should be knowledgeable in Algebra, Plane and Analytic Geometry, and Pre-Calculus before they elect to take AP Calculus.

ALGEBRA 1a

5 CREDITS

Prerequisite: None

Full Year

Students will be introduced to the elementary concepts of Algebra. The first half of the Algebra 1 curriculum will be covered with students completing the second half of the curriculum in the subsequent year. Students will gain an understanding of the concepts of number and space with an emphasis on the application of mathematics through a study of word problems.

ALGEBRA 1b

5 CREDITS

Prerequisite: Algebra 1a

Full year

Students will continue their study of the elementary concepts of Algebra. The second half of the Algebra 1 curriculum will be covered with students having completed the first half of the curriculum the previous year in Algebra 1a. Students will gain an understanding of the concepts of number and space with an emphasis on the application of mathematics through a study of word problems.

ALGEBRA 1

5 CREDITS

Prerequisite: None

Full Year

This course will introduce students to the elementary concepts of Algebra. The student will gain an understanding of the concepts of number and space. The application of mathematics through a study of word problems is emphasized.

ALGEBRA 2

5 CREDITS

Prerequisite: Completed or taking Plane Geometry

Full Year

This course is a continuation of Algebra 1. Students will be introduced to more advanced concepts of algebra and will increase their understanding of the concepts of numbers and space. Applications of mathematics through a study of word problems are discussed at various times throughout the course.

ALGEBRA 2 HONORS

5 CREDITS

Prerequisite: A- or better in Algebra 1 and Geometry

Full Year

This course is a fast-paced extension of Algebra 1, with very limited review of Algebra 1 key concepts. Students will use more advanced concepts of algebra and will solidify their understanding of the concepts of numbers and space. Applications of mathematics through a study of word problems are emphasized many times throughout the course. Assignments will include more challenging problems than in the non-honors course. Students will be introduced to logarithmic and exponential equations, conic sections, trigonometry, and trigonometric functions. The use of graphing calculators will be emphasized and mandatory. This course is pending Board approval.

ALGEBRA 3 AND TRIGONOMETRY

5 CREDITS

Prerequisite: Algebra 2

Full Year

This elective course is designed for students who, while interested in mathematics, have no desire or need for the standard course in Pre-Calculus. The material covered will include some topics from Algebra, factors, determinants, synthetic division, as well as topics from Trigonometry, functions, conic sections.

CALCULUS

5 CREDITS

Prerequisite: C in Pre-Calculus

Full Year

This course is a foundation course in Differential and Integral Calculus. The course will prepare students who are planning to take a college course in Calculus to have a basic understanding of the concepts included which will help them to achieve competency when enrolled at the college level. This course will emphasize the practical applications of the Calculus.

COMPUTER NETWORKING AND DESIGN 1

Prerequisite: Algebra 1 (Upperclassmen given preference)

5 CREDITS
Full Year

PC Hardware and Software v4.0 covers the fundamentals of computer hardware and software as well as advanced concepts. Students who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Students will also be able to connect to the Internet and share resources in a network environment. New topics included in this version include laptops and portable devices, wireless connectivity, security, safety and environmental issues, and communication skills. Hands-on lab activities will continue to be an essential element of the course. In support of this, virtual learning tools are integrated into this course. The Virtual Laptop and Virtual Desktop are stand-alone tools designed to supplement classroom learning and provide an interactive "hands-on" experience in learning environments with limited physical equipment. (Practical Art)

COMPUTER MATHEMATICS 1

2.5 CREDITS

Prerequisite: None

One Semester

Students will use the computer as a problem-solving tool in Mathematics. The student is led from the familiar notation of arithmetic-to-arithmetic notation on the computer. Emphasis is on the application of the computer and basic concepts of Mathematics to a wide variety of problems. (Practical Art)

COMPUTER MATHEMATICS 2

2.5 CREDITS

Prerequisite: Computer Mathematics 1

One Semester

This course continues to explore the concepts developed in Computer Mathematics 1. Emphasis is placed on using the computer as a problem-solving tool in Mathematics, presenting problems and programs of greater depth and complexity. (Practical Art)

COMPUTER PROGRAMMING C++

2.5 CREDITS

Prerequisite: Visual Basic or permission of supervisor

One Semester

Computer Programming 4 explores principles of C++ programming with emphasis on a modular approach. Using C++ syntax, students will be able to successfully complete programming projects in advanced computer language written in clear concise code. (Practical Art)

DISCRETE MATHEMATICS

2.5 CREDITS

Prerequisite: B in Algebra 2 or permission of department supervisor; Grades 11-12

One Semester

Discrete Mathematics is designed to teach students how mathematics is applied in the real world using a hands-on approach. The course will offer students the opportunity to learn how various theories are used to solve everyday problems such as finding the shortest path for a mail carrier to take to deliver mail or the most efficient route for a bus driver to follow. Other topics will include voting, fair division, scheduling problems, and minimum network problems. By taking the course, students will learn efficient and cost effective ways of managing time and how to make fair judgments.

HTML/WEBSITE DESIGN – COMPUTER PROGRAMMING

Prerequisite: C++, and Algebra 1; Grades 10-12

2.5 CREDITS

One Semester

Html/Website Design, a semester course in computer programming, will focus on the design and construction of Internet web pages. Students will be introduced to html programming language and use web page editing software such as Microsoft FrontPage and Macromedia Dreamweaver MX. All students will have hands-on experience creating and publishing their own web pages. They will build a sample web site, incorporating graphics, text, tables, buttons, and interactivity. Students will learn how to create and modify graphics in an image editor and vector drawing program, for use on their web pages in Dreamweaver. (Practical Art)

JAVA – COMPUTER PROGRAMMING

2.5 CREDITS

Prerequisite: C++, HTML and Algebra 1; Grades 10-12

One Semester

In Java, a semester course in computer programming, students will gain an understanding of the strategies and techniques used to write code in the Java programming language. They will learn to understand and use object-oriented programming algorithms with appropriate data structures to solve problems. Topics such as object-oriented programming, algorithms, static and dynamic data structures, sequence, repetition, conditions, methods, one-and two-dimensional arrays, and recursion will be presented. Lessons will focus on classes and objects, methods, inheritance, loops, decisions, polymorphism; a graphics unit will involve drawing, images, loops, timers, decisions, and animation; a user interface unit will cover components, events, data-types, decisions, console I/O, and loops; and data storage and processing will incorporate arrays and files, searching, sorting, and string parsing. The curriculum includes thorough coverage of the AP Computer Science Syllabus that aligns with the testing standards. (Practical Art)

MATH 104

5 CREDITS

MATH 204

5 CREDITS

MATH 304

5 CREDITS

MATH 404

5 CREDITS

Prerequisite: Eligibility for each of the courses listed above is determined by results of standardized tests

Full Year

Students are not permitted to elect these courses. They are designed for those students who have been identified by state mandated tests and who will benefit by an intensive review of basic skills.

These courses will emphasize and reinforce the four clusters of the New Jersey HSPA mandated test: Number and Numerical Operations; Geometry and Measurement; Patterns and Algebra; Data Analysis, Probability, and Discrete Mathematics. Every student will be involved in experiences addressing all of these expectations of each of the four content clusters. Every student will also be presented with open-ended questions that will explore their problem solving strategies and they must be able to communicate their solutions in written form.

PLANE GEOMETRY 5 CREDITS
Prerequisite: Algebra 1 Full Year

This course includes an introduction to basic geometric concepts and an in-depth study and classification of lines, triangles, other polygons and circles. The ideas of proof, including emphasis on congruence and similarity, are stressed.

PLANE GEOMETRY HONORS 5 CREDITS
Prerequisite: A- or better in Algebra 1 Full Year

This course begins with an introduction to basic geometric concepts and an in-depth study and classification of lines, triangles, other polygons and circles. The ideas of proof, including emphasis on congruence and similarity, are stressed. In addition, students will explore concepts related to three dimensional figures. Students will complete more extensive units on the surface area and volume of prisms, cylinders, pyramids and cones. They will study the concepts of congruence and similarity of solids and will examine equations relating to statistics and geometric models of motion. This course is pending Board approval.

PRE-CALCULUS 5 CREDITS
Prerequisite: B in Algebra 2; or permission of department supervisor Full Year

In this course, students will gain an understanding of the properties of the trigonometric functions and their applications. In addition, students will gain an understanding of Algebra in the solution and classification of the concepts of functions and the conic sections. There will be a review of the fundamentals of Algebra and Geometry which are necessary for understanding the concepts of Trigonometry and Pre-Calculus.

PRE-CALCULUS HONORS 5 CREDITS
Prerequisite: A- or better in Algebra 2 or B or better in Algebra 2 Honors Full Year

In this course, students will gain an understanding of the properties of the trigonometric functions and their applications. In addition, students will gain an understanding of Algebra in the solution and classification of the concepts of functions and the conic sections. There will be a review of the fundamentals of Algebra and Geometry which are necessary for understanding the concepts of Trigonometry and Pre-Calculus. In addition, students will expand their study of limits to include trigonometry functions, investigate vectors and sequences, and examine polar coordinates and parametric equations. A summer project on Algebra review is to be completed prior to the beginning of school. This course is pending Board approval.

PREPARING FOR THE SAT 2.5 CREDITS
Prerequisite: Grades 10-12 One Semester
Please see page 12, Language Arts Department.

PROBABILITY AND MATRIX ALGEBRA HONORS 5 CREDITS
Prerequisite: Completed Algebra 3 or Pre-Calculus Full Year

This course will introduce the student to a study of the laws of chance. The student will study certain elementary probability models and will deal with problems involving chance regularities and fluctuations. Students will study the relationship of the probability models to the real world. Matrix Algebra is a study of an algebraic structure similar to that studied by the student in Elementary Algebra. Students preparing for work in almost every field will find a study of Probability and Matrix Algebra useful to them.

VISUAL BASIC PROGRAMMING – COMPUTER PROGRAMMING 2.5 CREDITS
Prerequisite: Algebra 1 One Semester

Visual Basic is a semester course designed to introduce students to the fundamentals of computer programming using the Visual Basic.NET programming language. Visual Basic is a Microsoft-developed, object-oriented, event-driven programming language. The course teaches students the essentials of programming computers, including how to plan for the development of a program from a business perspective, how to design a Graphical User Interface, and how to properly code a program using clear and proper coding rules. Students will, through both guided and independent practice, develop their own business-oriented computer applications using the Visual Basic.NET programming language by moving through the program development cycle of problem analysis, pre-planning design, user interface design, coding, testing, debugging, and documenting a program. (Practical Art)

MUSIC DEPARTMENT

BAND 2.5 CREDITS/One Semester
Prerequisite: Instrumental Proficiency 5 CREDITS/Full Year

Band is for students with previous instrumental experience and approval of instructor. Students are expected to perform at various performances throughout the school year. (Performing Art)

BAND (ADVANCED) 5 CREDITS
Prerequisite: Instrumental Proficiency; Grades 9-12 Full Year

This group is comprised of the most advanced woodwind, brass and percussion players in the high school. Repertoire performed will include masterworks of the wind band literature. In addition to the winter and spring concerts, these students will attend several evening competitions in the spring semester. This class is open to students in Grades 9-12. **Band-lunch is not an option for this class.** (Performing Art)

MIXED CHORUS 2.5 CREDITS/One Semester
Prerequisite: None 5 CREDITS/Full Year
Mixed Chorus is geared toward the beginning ensemble singer. Each vocalist will develop basic skills in musical literacy and music theory. Musical selections are of all styles. Most music is performed in three or more parts (soprano, alto, baritone – depending upon enrollment). Each student must participate in at least one after-school rehearsal and an evening performance per semester. (Performing Art)

CONCERT CHOIR 2.5 CREDITS/One Semester
Prerequisite: **Mixed Chorus or Audition** 5 CREDITS/ Full Year

Students who are experienced in choral singing will be accepted into the Concert Choir with the approval of the choral director. Emphasis will be placed on improving vocal technique, sight reading skills and other music fundamentals to an intermediate level. Most music will be performed in 4 or more parts (soprano, alto, tenor, bass – depending upon enrollment). A wide variety of musical genres will be explored. Each student must participate in at least one after-school rehearsal and an evening performance per semester. (Performing Art)

RECORDING AND ENTERTAINMENT PRODUCTION
Prerequisite: **Grades 10-12; cumulative average of B; interview with teacher** 5 CREDITS Full Year

Recording and Entertainment Production is a cross-curricular course designed to introduce students to the different aspects of music/entertainment business and record production. Through real-life experiences, provided by a mock record and entertainment company (Fedora Productions), it will provide the student with hands-on opportunities and deeper insight into the different careers available in the music and entertainment industry, as well as increasing student awareness regarding intellectual-property rights. The course will utilize student talents in the areas of: Human Resource Management, Accounting/Finance, Artist and Repertoire Development, Legal Issues, Marketing, Graphic Design, Audio Engineering, Music Technology and more. Students need not be musicians to participate in the course. (Performing/Practical Art)

MUSIC APPRECIATION 2.5 CREDITS
Prerequisite: None One Semester

Provides the student with a basic understanding and enjoyment of Western music. Students will examine the major musical periods, the major composers, and the basic differences between them. The students will apply the knowledge of musical elements (melody, rhythm, form, etc.) to develop critical listening skills. (Performing Art)

MUSIC TECHNOLOGY 1 2.5 CREDITS
Prerequisite: **Interview with instructor; Basic Music Theory Exam** One Semester

This course is an introduction to music computer software and synthesizer MIDI systems. These systems allow students to enter music without the ability to play an instrument. Afterwards the music can be played back, arranged or recorded. After students become proficient with the software,

they will begin to apply skills to composing, arranging, and recording pre-existing and original music. Keyboard skills are a plus but not necessary to be successful. (Performing/Practical Art)

MUSIC TECHNOLOGY 2 2.5 CREDITS
Prerequisite: **Music Technology 1** One Semester

This is a course designed for advanced music computer users. Students will arrange pre-existing music, participate in special cross-curricular projects (Theatre, Film, Chorus, Band, etc.), as well as individual projects (solo compositions, arrangements, etc.). Students will create an original music score for a student film in conjunction with the TV program. Students will be trained in the use and sound reinforcement equipment (microphones, speakers, amplifiers, mixing) and introduced to basic recording techniques. The course will feature a performance of music created during the class. (Performing/Practical Art)

VARSITY CHOIR 2.5 CREDITS/One Semester
Prerequisite: **Concert Choir or audition** 5 CREDITS/ Full Year

Only students who have demonstrated a high talent/dedication level will be accepted into this course. Emphasis will be placed on advanced vocal technique, sight reading skills and other music skills. Independent singing will be strongly encouraged, usually in small groups (octets, quartets, duets, etc.) An advanced choral repertoire will be developed. Each student must participate in at least one after-school rehearsal and an evening performance per semester. (Performing Art)

THEORY AND HARMONY 5 CREDITS
Prerequisite: **Knowledge of keyboard instrument helpful but not required** Full Year

This course is designed to teach the basic concepts and rules to good part-writing procedure. Students will be given a basic review of reading music and be taught how to apply that basic material into writing music. Chord structure, scales, and music composition analysis are stressed. Proper melody writing and harmonization are covered. Students will write their own compositions by the conclusion of the course. (Performing Art)

VOICE TRAINING 2.5 CREDITS/One Semester
Prerequisite: **Audition** 5 CREDITS/Full Year

This course is designed for the student interested in developing skills as a soloist or small group specialist. Each student will learn techniques designed to improve vocal production as well as musicality. Repertoire will include but not be limited to the following genres: Broadway, Jazz, Swing, Pop, Classical, and Folk. Students will utilize state-of-the-art computer, video and audio equipment to analyze performances, record musical performance, create CD accompaniments and much more. Due to the specialization and computer equipment required, the class size will be limited. Each student must participate in all after school choral events. (Performing Art)

PHYSICAL EDUCATION DEPARTMENT

PHYSICAL EDUCATION 2 or 2.5 CREDITS
Prerequisite: None One Semester
The Physical Education program consists of a combination of activity, instruction, and testing with the emphasis placed on participation. A wide variety of activities are taught, ranging from team and individual sports to co-educational dance.

HEALTH 1S 2 or 2.5 CREDITS
Prerequisite: None One Semester
One marking period of the course spans the male and female reproductive anatomy, pregnancy, the birth process, sexually transmitted disease, alcohol, tobacco, drugs and nutrition. One marking period of the course covers material necessary to pass the New Jersey State Driver's Examination. Additional content includes the function of the automobile, highway safety, and local driving situations.

HEALTH 2S 2 or 2.5 CREDITS
Prerequisite: Health 1S One Semester
The Family Living portion aims to provide an understanding of personality development and mental health. The second portion of the course covers a wide range of health related topics designed to help the high school student plan his/her lifestyle after leaving home and family.

PLEASE NOTE:
The format for Health and Physical Education requires students to pass the following:
two (2) semester courses of Health (Health 1S and 2S) and
six (6) semester courses of Physical Education (PE1S, PE2S, PE3S, PE4S, PE5S, and PE6S),
Basic Fitness and Advanced Fitness

Note: "S" signifies a semester course in the titles of the revised Health and Physical Education courses.

BASIC CPR, FIRST AID AND INJURY MANAGEMENT
Prerequisite: B- in Physical Education, 2.5 CREDITS
Grades 11-12 One Semester

This course is offered as an elective semester course to junior and senior students who have a minimum grade of 80% or better. It will provide students with a CPR and First Aid Certification, as well as a basic understanding of prevention, evaluation, and care of sports related injuries. This class will include, but not be limited to, activity and practical classroom sessions. It is offered in addition to the regular Physical Education and Health curriculum. (Practical Art)

BASIC FITNESS 2.5 CREDITS
Prerequisite: B- in Physical Education One Semester
Grades 11-12

This course is designed to introduce students to the benefits of daily fitness and well being. It will expose students to strength training, cardiovascular fitness, flexibility and agility routines, and nutritional balance. Students will work at a pace and level suitable to their individual needs, monitoring and evaluating their progress through the course.

ADVANCED FITNESS 2.5 CREDITS
Prerequisite: Completion of Basic Fitness; Grades 11-12 One Semester

This course is designed for the serious fitness advocate who is looking to improve his/her fitness workout to more technical levels. Students will develop individual workout routines, explore new and innovative methods of physical development, and challenge themselves in all areas of fitness to meet individual needs and goals.

SCIENCE DEPARTMENT

All science courses include laboratory experiences.

ADVANCED PLACEMENT BIOLOGY 6 CREDITS
Prerequisite: B in Biology Honors or A in Biology CP; Chemistry CP (taking or completed); teacher recommendation Full Year

Advanced Placement Biology is a college level course that is taught at a fast pace. Students taking this course should be responsible and committed to spending extensive time and effort in study. Some topics require independent study. The course is designed to prepare students for the AP exam and uses the College Board AP Biology syllabus for topics and laboratories. Additional activities and laboratories may be included to enrich the course. Students are required to do independent research and oral presentations. Some of the areas covered are Biochemistry, Cytology, Evolution and Genetics, Plant Physiology and Anatomy, Mammalian Anatomy, and Ecology. An independent study project will be completed in the summer prior to the course. Students are encouraged to take the AP examination.

ADVANCED PLACEMENT CHEMISTRY 6 CREDITS
Prerequisite: B in Chemistry Honors or A in Chemistry CP; B in Algebra 2; teacher recommendation Full Year

Advanced Placement Chemistry is designed for the student who has a strong ability in science and mathematics and who has exhibited an interest in acquiring an in-depth knowledge of chemistry. The course offers the student the in-depth scientific background needed to pursue a career in science. An independent study project will be completed in the summer prior to the course. Students are encouraged to take the AP Chemistry examination.

ADVANCED PLACEMENT PHYSICS: 6 6 CREDITS
Prerequisite: B in Physics; Pre-Calculus (taking or completed); teacher recommendation Full Year

This course follows an Advanced Placement curriculum specifically designed to be a college-like course that follows successful completion of CP Physics. The course covers all traditional fields of physics including mechanics, waves, sound, light, optics, electricity and magnetism. This is a mathematically rigorous study of physics where students will need an understanding of algebra and trigonometry to succeed in this course. It is anticipated that students will take the AP

Physics Level B examination in May. An independent study project will be completed in the summer prior to the course. This course meets 6 periods per week and shares instructional time with students in the AP Physics 10 course.

ADVANCED PLACEMENT PHYSICS: 10 6 CREDITS

Prerequisite: B in Chemistry Honors or A in Chemistry CP; Pre-Calculus (taking or completed); teacher recommendation

Students will follow an Advanced Placement curriculum specifically designed to be a first-year college-like course. The course meets 2 periods every day. The course covers all traditional fields of physics including mechanics, waves, sound, light, optics, electricity, and magnetism. This is a mathematically rigorous study of physics where students will need an understanding of algebra and trigonometry to succeed in this course. It is anticipated that students will take the AP Physics Level B examination in May. An independent study project will be completed in the summer prior to the course. This course meets 10 periods per week and shares instructional time with students in the AP Physics 6 course.

ASTRONOMY 2.5 CREDITS

Prerequisite: C in any General Science; Open to Grades 11 and 12

Astronomy is a course designed to give students an awareness of one's efforts to understand the universe. Students will learn how one's understanding of the heavens has changed with the advance of space technology. Hands-on activities will be an integral part of the course.

BIOLOGY HONORS 6 CREDITS

Prerequisite: B in Gen Science Honors or A in Gen Science CP; teacher recommendation

This course is designed for students who have a strong interest in science and the motivation to work hard throughout the school year. Biology Honors includes a more intensive investigation of the Biology CP course topics and is presented at a faster pace. In addition to the course concepts and laboratory work, emphasis will be on higher level thinking skills, writing assignments, oral reports and projects. The curriculum emphasizes topics in molecular biology that include biochemistry, ecology, cytology, genetics, taxonomy and evolution. The weekly two-period lab class focuses on the development of laboratory skills and problem solving through experimentation and student-centered, hands-on activities. All students in New Jersey who are enrolled in a first year biology course are required to take the End of Course Biology Test. This course contains some dissections*.

BIOLOGY CP 6 CREDITS

Prerequisite: C in General Science CP or B in General Science Core; teacher recommendation

College Preparatory Biology course is designed to offer students a wide scope of experiences in biological science. The curriculum emphasizes topics in molecular biology that include biochemistry, ecology, cytology, genetics, taxonomy and evolution. The weekly two-period lab class focuses on the

development of laboratory skills and problem solving through experimentation and student-centered, hands-on activities. All students in New Jersey who are enrolled in a first-year biology course are required to take the End of Course Biology Test. This course contains some dissections*.

BIOLOGY 5 CREDITS

Prerequisite: General Science Core

The Biology course is designed primarily for students who plan to pursue non-science related careers. The course will offer a sequence of laboratory experiences that will parallel topics discussed in class. The Biology course will cover the same major topics that are presented in CP Biology, but with appropriately less rigor in terms of detail and amount of additional topics covered. All students in New Jersey who are enrolled in a first year biology course are required to take the End of Course Biology Test. This course contains some dissections*.

CHEMISTRY HONORS 6 CREDITS

Prerequisite: B+ in Algebra 1 and B in Biology Honors or A in Biology CP; teacher recommendation

Chemistry Honors is designed for students who have a strong interest in science and the motivation to work hard throughout the school year. Chemistry Honors includes a more intensive investigation of the Chemistry CP course topics and is presented at a faster pace. In addition to the course concepts and laboratory work, emphasis will be on higher level thinking skills, writing assignments, oral reports and projects. The curriculum emphasizes topics in inorganic chemistry, including atomic structure, chemical bonding, stoichiometry, acids and bases, and gas laws. The weekly two-period lab class focuses on the development of laboratory skills and problem-solving through experimentation and student-centered, hands-on activities. In addition to the numerous laboratory experiences there is an emphasis on problem-solving, physical and mathematical modeling, research methods and experimental techniques. Success in this course requires students to have a strong foundation in algebra.

CHEMISTRY CP 6 CREDITS

Prerequisite: B- in Algebra 1; C in Biology CP or B in Biology Core; teacher recommendation

College Preparatory Chemistry provides students the opportunity to acquire a solid foundation of chemical principles and concepts. The year is devoted to topics in inorganic chemistry, including a foundation based on formula writing, the balancing of equations, stoichiometry, acids and bases, and gas laws. In conjunction with the course content, a laboratory sequence is offered. This sequence parallels the text and affords the opportunity to experience first-hand not only the analyses and problem solving discussed in class, but also the chemical techniques associated with the course. The weekly two-period lab class focuses on the development of laboratory skills and problem solving through experimentation and student-centered, hands-on activities. Success in this course requires students to have a foundation in algebra.

CHEMISTRY

5 CREDITS

Prerequisite: Taking or completed Algebra Full Year
1; Biology Core

The Chemistry course is designed primarily for students who plan to pursue non-science related careers. The course will offer a sequence of laboratory experiences that will parallel topics discussed in class. The Chemistry course will cover the same major topics that are presented in Chemistry CP, but with appropriately less rigor in terms of detail and mathematical emphasis.

EARTH SCIENCE

5 CREDITS

Prerequisite: Open to 11th and 12th Grades Full Year

Earth Science acquaints the students with the earth and its place in the universe. The geology component of the course includes the investigations of the geological timetable, plate tectonics, land and water formations, earthquakes and volcanoes, among other topics. The astronomy component includes planets, stars and other heavenly bodies as well as recent space exploration. The unit on weather includes meteorology and climatology.

ECOLOGY 1

2.5 CREDITS

Prerequisite: Open to 11th and 12th Grades One Semester

The Earth is a delicately balanced system with limited space and resources in which all of its inhabitants – living organisms – are interdependent. Ecology examines the inter-actions between organisms and their environment.

ECOLOGY 2

2.5 CREDITS

Prerequisite: C in Ecology 1; Open to 11th and 12th Grades One Semester

Ecology 2 has the central theme of global awareness. It is the story of life on a wonderful but finite planet, ecosystems, and limiting laws. It is the story of ecosystems, limiting laws, and one's quest for a good life. It analyzes the various interactions that are taking place between modern humans and their environment. Emphasis will be placed on the need for and use of energy and mineral resources and the environmental and socioeconomic impact of these needs.

FORENSIC SCIENCE 1

2.5 CREDITS

Prerequisite: B in Biology CP; B in Chemistry CP One Semester

In Forensic Science 1, students study and use scientific concepts and technologies related to the investigation of a crime. In this course, students will apply the techniques that professionals use to identify and collect evidence, analyze and compare it, and use the results to locate criminal perpetrators. The course will take you from the crime scene to the laboratory to the courtroom. It should be noted that many criminal acts are, by their very nature, violent. This course is not designed to specifically focus on crimes of a graphic or sexual nature. However, in an effort to provide an accurate and realistic perspective, certain aspects of such behaviors may be unavoidable. In this course you'll learn the step by step procedures for analyzing hair, fiber, fingerprints, chemicals, and blood stains; testing for drugs and alcohol; examining DNA samples; and much more. You'll also learn

how to use specialized forensic equipment, reconstruct a crime scene, and prepare a lab report for presentation in court.

FORENSIC SCIENCE 2

2.5 CREDITS

Prerequisite: C in Forensic Science 1 One Semester

Forensic Science 2 continues where Forensic Science 1 left off. In this course students will learn additional techniques and procedures used by professionals to scientifically investigate a crime and to present evidence in the courtroom. The course culminates with a simulated crime scene being presented where students collect evidence, analyze it, and write a report and make a presentation detailing their findings.

GENERAL SCIENCE HONORS

5 CREDITS

Prerequisite: A- in Grade 8 Advanced Science; NJASK8 science score of Advanced Proficient; eligible for placement in 9th grade Honors Geometry; teacher recommendation Full Year

The course offers a foundation in the physical sciences of chemistry and physics. General Science Honors includes a more intensive investigation of the General Science CP course topics and is presented at a faster pace. It includes the study of measurement and motion, the properties of and changes in matter, and the relationships between energy and matter. Students perform laboratory activities relative to course work. This course will be appropriately rigorous in its coverage of science and mathematics and is geared toward those students having an interest in science and/or taking AP science courses in the future.

GENERAL SCIENCE CP

5 CREDITS

Prerequisite: C in Grade 8 science; NJASK8 science score of Proficient; teacher recommendation Full Year

The course offers a foundation in the physical sciences of chemistry, physics and earth science. It includes the study of measurement and motion, the properties of and changes in matter, and the relationships between energy and matter. Students perform laboratory activities relative to course work. The course emphasizes the everyday applications of physical laws and relates technological advances to basic physical science. This course will be appropriately rigorous in its coverage of science and mathematics and is geared toward those students having an interest in science and/or taking AP science courses in the future.

GENERAL SCIENCE

5 CREDITS

Prerequisite: None Full Year

The General Science course is designed primarily for students who plan to pursue non-science related careers. The General Science course will cover the same major topics that are presented in General Science CP, but with appropriately less rigor in terms of detail and amount of additional topics covered. Laboratory work is often performed by the entire class, closely following a textbook.

PHYSICS

6 CREDITS

Prerequisite: B in Algebra 2, taking or completed Pre-Calculus Full Year

Physics is the mathematical study of matter and energy at the most basic level. Concepts are developed through demonstrations, real-world applications, the history and philosophy of the subject, problem-solving, and experiment. In the lab, students are acquainted with the collection and analysis of data. Topics include motion and forces, vectors, work and energy, heat, electricity, electromagnetism, waves, sound, light and Modern Physics.

SCIENCE IN SOCIETY: LIFE SCIENCE EDITION

Prerequisite: **Open to Grades 11 & 12** 2.5 CREDITS
One Semester

The Science in Society 1 course is designed to develop analytical thinking skills, to encourage an interest and understanding of current scientific discoveries and to form opinions and judgments based on facts rather than urban legend or public opinion. Students will read scientific articles, distinguish between facts and opinions and synthesize scientific knowledge before making their own judgments. The course will contain hands on laboratory activities. Topics covered will include but not be limited to: the scientific method, observations skills, nutrition, brain function (including the effects of head trauma, neurological disease and drug abuse), genetic research, stem cell research, and alternative medicine. This course is pending Board approval.

SCIENCE IN SOCIETY: ENERGY & TECHNOLOGY EDITION

2.5 CREDITS
One Semester

Prerequisite: **Open to 11th and 12th Grades (It is not necessary to take Science in Society 1 before taking Science in Society 2)**

The Science in Society 2 course is designed to develop analytical thinking skills, to encourage an interest and understanding of current scientific discoveries and to form opinions and judgments based on facts rather than urban legend or public opinion. Students will read scientific articles, distinguish between facts and opinions and synthesize scientific knowledge before making their own judgments. The course will contain hands on laboratory activities. Topics covered will include but not be limited to: GPS and other tracking systems, the space program, global warming, pollution, the energy crisis, and superstition and the paranormal. This course is pending Board approval.

THE HUMAN EXPERIENCE

2.5 CREDITS
One Semester

Prerequisite: **B- in Biology CP; open to 11th and 12th Grades**

THE is a course in Human Biology designed to give students an awareness of the interrelationships between the human body and its physical and social environments. In addition to the traditional anatomy and physiology which is covered to provide background, topics covered include the impact on the human body of diseases and disorders of biotechnology of drugs (prescription and otherwise), and of nutrition. How all of the above can impact on the next generation is examined. THE provides the opportunity to learn about diagnostic tests, ("blood work" to CAT scans and ultra sound scans), and treatments (by-pass heart surgery to radiation). This course contains some dissections*.

DISSECTION OPTION STATEMENT

*Participation in hands-on science is important to learning science, and dissections are an important component of life science education. Dissections are recommended study methods in life science courses. Animal materials are used respectfully and for the purpose of meeting course objectives.

In cases where parents, or students 18 years of age or older object to dissection, teachers will provide alternatives to actual dissections. These alternatives may include, but are not limited to: computer simulations, media presentations, transparencies, textbook overlays, and reading/research.

If a parent chooses not to have his/her son/daughter take part in dissections, please notify the student's teacher in writing within two weeks of the start of class.

SOCIAL STUDIES DEPARTMENT

WORLD HISTORY HONORS 5 CREDITS

Prerequisite: **A- in Grade 8 Geography or supervisor recommendation** Full Year

This course begins with the development of the Muslim World and follows a chronological approach through the era of the Industrial Revolution near the turn of the twentieth century. Emphasis will be placed on the Medieval World, the Renaissance and Reformation, and the Age of Revolution. The course will require a significant amount of independent study involving a higher level of technological research.

WORLD HISTORY CP 5 CREDITS

Prerequisite: **Eligibility determined by results of standardized tests and/or teacher recommendation** Full Year

The course will offer students an overview of the development of humanity from pre-historic times to the present. The course will show how people lived and related to one another in past societies and why the past affects our contemporary ways of living. Through reading, class discussion, research and written and oral reporting, students will take a look at important events that took place during the major stages in the history of the world.

WORLD HISTORY 5 CREDITS

Prerequisite: **Eligibility determined by results of standardized tests and/or teacher recommendation** Full Year

This course is a supportive instructional program designed for the student with serious reading problems who meets the prerequisite listed above. The student will be presented with a survey of world history from pre-historic times to present.

ADVANCED PLACEMENT U.S. HISTORY 1 5 CREDITS

Prerequisite: **A- in World History Honors, teacher recommendation, and permission of department supervisor** Full Year

A.P. History 1 is a course developed for students who desire an in-depth study of the history of the United States from the age of exploration up to, and including, the Civil War. Extensive research and study will encompass: the aspirations and achievement of the young American nation striving for independence; the establishment of national institutions and the expansion of democracy; westward movement of the sectional crisis; and, the cause of the Civil War and the scars of its aftermath. Students will be exposed to the traditional and revisionist historical interpretations of the above areas in an attempt to broaden their understanding of the nature and development of public policy from the fifteenth to the nineteenth centuries.

U.S. HISTORY 1 HONORS 5 CREDITS

Prerequisite: B in World History Honors or Full Year A in World History CP; teacher recommendation

The course will provide the student with an in-depth study of the development of the American nation from the colonial times to the Reconstruction period. Areas to be highlighted include the American Revolution, the Constitutional period, the rise of political parties, Jacksonian democracy, and the growth of sectionalism in the 19th century. The course will also be supplemented by the reading of documents and literature pertinent to the period under consideration.

U.S. HISTORY 1 CP 5 CREDITS

Prerequisite: World History, standardized Full Year test results and/or teacher recommendation

The course will provide the student with an in-depth study of the development of the American nation from the colonial times to the Reconstruction period. Areas to be highlighted include the American Revolution, the Constitutional period, the rise of political parties, Jacksonian democracy, and the growth of sectionalism in the 19th century. The course will also be supplemented by the reading of documents and literature pertinent to the period under consideration.

U.S. HISTORY 1 5 CREDITS

Prerequisite: World History Full Year

The course is a supportive instructional program designed for the student with serious reading problems who meets the prerequisite listed above. The student will be presented with a survey of U.S. History from the Colonial Period up to World War I.

ADVANCED PLACEMENT U.S. HISTORY 2 5 CREDITS

Prerequisite: A.P. U.S. History 1 or teacher recommendation, and/or approval of department supervisor

A.P. U.S. History 2 is a continuation of the beginning course. It will provide an in-depth study of American foreign policy and domestic policy from the aftermath of the Civil War to the present. Some of the areas which will be included are: World War I, World War II, the Great Depression, and Watergate, as well as other problems which the United States still faces today.

U.S. HISTORY 2 HONORS 5 CREDITS

Prerequisite: U.S. History 1 Honors or Full Year approval of department supervisor

A continuation of U.S. History 1 Honors. The course will provide students with an in-depth analysis of the growth of the United States as a world superpower. Beginning with the Imperialism movement of the twentieth century, the student will be presented with a chronological history of our development. Topics include: Imperialism, the Progressive Movement, World Wars, the Great Depression, the Cold War, the Civil Rights and protest movements, the return to conservatism, and the beginning of a new century.

U.S. HISTORY 2 CP 5 CREDITS

Prerequisite: U.S. History 1, standardized Full Year test results and/or teacher recommendation

The course will provide the student with an in-depth study of the development of the American nation from the post Reconstruction period up to the present. Areas to be highlighted will include the growth of labor, the post-Civil War period, World War I, World War II, the Great Depression as well as post World War II domestic and foreign policies. The course will also be supplemented by the reading of documents and literature which are pertinent to the period under consideration.

U.S. HISTORY 2 5 CREDITS

Prerequisite: U.S. History 1 Full Year

The course is a supportive instructional program designed for the student with serious reading problems who meets the prerequisite listed above. Areas to be highlighted will include the growth of labor, the post-Civil War period, World War I, World War II, the Great Depression as well as post World War II domestic and foreign policies. The course will also be supplemented by the reading of documents and literature which are pertinent to the period under consideration.

AMERICAN IMMIGRATION 2.5 CREDITS

Prerequisite: Grades 10, 11 and 12 only One Semester

The course will provide students with the opportunity to explore the history, literature and arts of representative cultures that compose our diverse population. Emphasis will be placed upon developing an understanding of and sensitivity to cultural diversity.

CURRENT HISTORY 2.5 CREDITS

Prerequisite: Grades 11 and 12 only One Semester

In order to keep pace with rapid changes of our times and to give students a realistic understanding of the problems in American life and in the world around them, students are encouraged to develop a familiarity with current events and interpret the news they read. Students will examine the economic, geographic, world, political, and sociological areas of today.

CIVIL LIBERTIES AND TORT LAW 2.5 CREDITS

Prerequisite: Grades 11 – 12 One Semester

This course will allow students to delve into their First Amendment Rights, particularly Freedom of Expression and

the right to privacy, along with our guaranteed freedoms as expressed in the Bill of Rights. Liability and negligence will also be stressed.

PEER LEADERSHIP 5 CREDITS

Prerequisite: Grade 12, application teacher recommendation, review Full Year

Peer Leadership is a course which prepares seniors to serve as role models/mentors to freshmen. The class meets five days a week, including one day designated as a “break-out” day when the peer leaders work in pairs with small groups of freshmen. Senior peer leaders undergo extensive training in human relations and group facilitation. They will also acquire interpersonal and leadership skills that will be invaluable to them in the future. The program addresses such problems as self-esteem, substance abuse, and social and cultural issues. Peer leaders help students develop coping skills that enable them to manage problems that they may encounter upon entering high school. Participation in a three-day orientation retreat, a two-day mid-winter retreat, and a one-day conference in the spring is required.

FOUNDATIONS OF SOCIAL CHANGE 2.5 CREDITS

Prerequisite: Grade 12 One Semester

This course will help the student to develop a better understanding of his behavior as well as the behavior of others. Such topics as learning, emotions, coping with frustration and anxiety, the nervous system, motivation, personality behavior disorders and intelligence will be covered. Foundations of Social Change, like any new science, contains certain conclusions derived from preconceived notions, speculation and the misinterpretation of facts. This course will develop in the student an unbiased attitude of scientific curiosity and an unwillingness to accept any information as fact that has not met the test of experimental verification of controlled observation.

SOCIAL ISSUES IN MODERN AMERICA 2.5 CREDITS

Prerequisite: Grades 11-12 One Semester

Social Issues in Modern America provides the student with a greater insight into current social problems. The course explores the role of youth in today’s society, campus unrest, crime and racial conflict. Additionally, the course attempts to increase student involvement in the social environment and to foster a willingness to actively participate in solving the problems facing that environment.

STREET LAW 2.5 CREDITS

Prerequisite: None One Semester

Street Law is a one semester course in which students will gain a fundamental knowledge of American Law and our legal system. The basic aim of the course is to develop an appreciation of the importance of law and the significant part it plays in our everyday lives. The curriculum is designed to provide students with an understanding of their legal rights and responsibilities, a knowledge of legal problems, and the ability to analyze, evaluate, and in some cases, resolve legal disputes. The course will also address general problems in the areas of criminal, consumer, family, housing, as well as individual rights, law.

WORLD GEOGRAPHY 2.5 CREDITS

Prerequisite: None One Semester

World Geography will give the student a basic understanding of the geography of today’s world. It will place special emphasis on the interrelationship of physical, cultural, and economic geography. In the course, eight geographic regions will be studied with special emphasis on the United States. A further major element of the course will be the development of geographic skills. Globes, maps, graphs, charts, and tables will be used to build geographic skills.

TECHNOLOGY DEPARTMENT

A variety of courses are offered in industrial and technical areas. All courses involve hands-on activities and range from exploratory to vocational in nature. Because of the nature of the activity, attendance is an important factor for successful completion of the course. Safety glasses **MUST** be worn in areas of hazardous activity; cleanup is a student’s responsibility, and cost attributed to material used must be paid.

Special Fees

Below are listed Technology courses in which the student is required to pay for materials and the approximate cost of these materials. However, these costs are only estimates. Some students will pay more or less depending on the size of the project and the type of material used.

Auto Technology 1,2,3 – cost of auto parts and materials vary and is the responsibility of the student.

- Architectural Design - \$10.00
- Elements of Design - \$10.00
- Wood 1 - \$10.00 or more
- Wood 2 - \$20.00 or more
- Wood 3 - \$20.00 or more

Safety Glasses

School Board policy dictates that safety glasses be worn by everyone in areas of hazardous shop activity. Infractions will result in disciplinary action and/or removal from that activity with resultant loss of credit.

Monies Owed

Costs attributed to materials used and/or lost, or broken tools must be paid prior to the final exam.

AUTO TECHNOLOGY 1 2.5 CREDITS

Prerequisite: None One Semester

This course is designed for the potential driver. Students are given insight to the several component parts of the automobile. Covered in the course are automobile maintenance procedures, emergency trouble-shooting, understanding of basic systems, and tune up specifications. Also covered are the identification of basic parts of the internal combustion engine. (Practical Art)

AUTO TECHNOLOGY 2 5 CREDITS

Prerequisite: B in Auto Technology 1, Full Year teacher recommendation

Students learn more advanced skills pertaining to automotive fundamentals. The operational systems of the automobile are the main objectives of the program including on board

computers and sensors. Auto body repairs are introduced as well as mechanical procedures. (Practical Art)

AUTO TECHNOLOGY 3 5 CREDITS
Prerequisite: B in Auto Technology 2, Full Year
teacher recommendation

Auto 3 allows time for individualized instruction in student selected projects. Students are acquainted with various phases of mechanical and auto body repair operations and skills. Students perform operations similar to those found in established auto repair shops preparing them for future employment. (Practical Art)

ENGINEERING DRAWING 5 CREDITS
Prerequisite: None Full Year

This is a basic course in mechanical drawing skills. It includes instruction in the use and care of all equipment. Line weight and identification, lettering and dimensioning techniques, orthographic or three-view drawing, isometric and oblique drawing and basic blueprint reading are covered. Computer aided drafting comprises 50% of the course. (Practical Art)

ELEMENTS OF DESIGN 5 CREDITS
Prerequisite: B in Engineering Drawing Full Year

This course is designed for students interested in adding to their knowledge and skill in the field of drafting and/or design centered around the development of patterns used in packaging work. Attention is given to a review of drafting skills and geometric construction. In the final phase of the course, an opportunity for self-expression is provided through the design and drawing of a student-originated project in the field. All drawing and design activity will be centered around the computer drafting equipment. (Practical Art)

ARCHITECTURAL DESIGN 5 CREDITS
Prerequisite: B in Engineering Drawing Full Year

The course is organized following much the same sequence that tradesmen follow in constructing a house. For example, the pupil studies footings and foundations before studying framing and roof construction. It is important that pupils gain working knowledge of construction detail so that they will be able to draw workable plans. Students will study the details of a house. Along with the ability to express their own ideas according to accepted drafting standards, pupils develop the ability to read and interpret drawings and specifications that have been prepared by others. Exercises in blueprint reading accompany the various drafting problems. Computer aided drafting equipment will be utilized throughout the course. (Practical Art)

ADVANCED ARCHITECTURAL DESIGN 5 CREDITS
Prerequisite: Architectural Design Full Year

This course will take the student's knowledge from Architectural Design course to the next level. The student will utilize the basic design rules to design the house of his/her choice. The design will be presented through the preparation of a set of drawings that will include: floor plans, foundation (basement) plan, plot plan, electrical plan, plumbing plan, front, rear and side elevations, interior details, stair details and wall sections. The final phase of the course will include the

building of a scaled exterior model from the completed plans. Computer aided drafting equipment will be utilized. (Practical Art)

ROBOTICS 5 CREDITS
Prerequisite: Department approval Full Year

This hands-on course will enable students to learn the basic tenements of designing, creating and programming of robots. Mathematical and scientific skills and concepts will be reinforced. Connections to modern, real world issues, such as technological impact and the energy crisis will also be stressed. The ultimate goal would be to sponsor a robotics team for competition. (Practical Art)

WOOD 1 2.5 CREDITS
Prerequisite: None One Semester

Wood Shop 1 is an introductory class in woodworking skills and techniques. The purpose of the class is to give experience in hand tool and machine tool operations through the construction of a project (or projects) to be used in the home, the yard, or the workshop. (Practical Art)

WOOD 2 5 CREDITS
Prerequisite: B in Wood 1 or teacher Full Year
recommendation

Wood Shop 2 is a full year course in woodworking processes and techniques that elaborates in much more detail the hand tool and machine tool procedures taught in Wood 1. Detailed methods for furniture construction are a large segment of the course. The emphasis will be placed on a variety of machine tool procedures in both furniture and cabinet making. (Practical Art)

WOOD 3 5 CREDITS
Prerequisite: B in Wood 2 or teacher Full Year
recommendation

Wood Shop 3 elaborates upon furniture making, cabinet making and house construction taught in Wood Shop 2. Emphasis in the furniture making area is individualized to a great extent based on student interests. Introduction into laminating, bending, molding, veneering, and mass production techniques are all new areas. Vocational and avocational interests are pursued by students both in advanced furniture design and house construction. Remaining units on structures are incorporated into the making of sets for the dramatic productions that are a part of the school program. (Practical Art)