

**LENAPE VALLEY REGIONAL HIGH SCHOOL**

28 SPARTA ROAD

STANHOPE, NEW JERSEY 07874

Paul A. Palek, Jr., Superintendent

Douglas N. deMarrais, Principal

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## Principal's Message

This curriculum handbook represents the course offerings at Lenape Valley Regional High School. In developing your program of studies it is necessary to consider course selections as they relate to graduation requirements, future educational or vocational goals, special talents or interests you may have and the academic demands of each course.

Lenape Valley Regional High School strives to meet the curricular needs of a changing society. Blending a traditional education with innovative programs provides each student with the opportunity for personal growth in a challenging and supportive environment. As you plan for next year, consider the commitment requirements of the program you select and how that program balances against other commitments you may have. Seek to stretch your abilities, expand your horizons and learn more about yourself.

We encourage you to use this handbook as a guide to program selection. Please make informed decisions by reading the contents thoroughly and discussing your options with your parents, counselors and teachers. The first step towards success is good planning. As you continue along your educational journey, I wish you good luck and good planning. Everyone at Lenape Valley Regional High School stands committed to assist you in this endeavor.

Sincerely yours,

Douglas N. deMarrais  
Principal

## **GUIDANCE AND COUNSELING DEPARTMENT SERVICES**

The Guidance and Counseling Department shares in the responsibility of insuring that students attain their greatest potential educationally, socially, and vocationally. Working as part of a team with teachers, administrators, child study team members, student assistance counselor, nurse and parents, the counselors help students achieve their goals. Counselors meet with students to discuss school adjustment, college and post secondary educational and career planning and personal concerns.

Our services include:

- group and individual counseling
- schedule planning and course selection
- maintenance of report cards and progress reports
- financial aid and scholarship information
- parent and teacher conferences
- standardized test registration and review of test results
- posting of college and career school conferences
- referrals to special services and outside agencies
- transcript and record keeping maintenance
- summer and special program offerings
- military information

The following are some of the topics counselors discuss with students:

- Academic Planning
- Grades/Progress Report
- College Process/Planning
- Classes/Teachers
- Employment Opportunities
- Course Selections
- Graduation Requirements
- Standardized Tests & Results
- Personal Concerns
- Crisis Issues
- Interpersonal Relationships

The Guidance and Counseling Office is a resource center which houses and disseminates information and provides informational sessions for all students on the following:

- Electronic career and college information
- On-line applications
- College/Career handbooks
- College catalogues, applications, videos/DVD's
- Financial aid and scholarships
- Special Programs including enrichment activities (Boys' State/Girls' State, Governor's School programs, HOBY, etc.)
- SAT/PSAT review courses/sessions
- PSAT, SAT I, SAT II, ACT, & TOEFL registration materials

Students are encouraged to visit the Guidance Office to make an appointment. Parents are invited and encouraged to make an appointment to meet with their child's counselor and/or teacher(s) by calling 973-347-7600 ext. 200.

## **GRADUATION REQUIREMENTS**

**As established by Board of Education policy, students must accrue 140 credits in order to be candidates for graduation. Board policy requires, further, that students must enroll for 35 credits per year. In addition, Board policy limits students to a maximum of 41 credits per year.**

Those credits must be distributed among specific areas of study, as listed below:

English	20 credits
Mathematics	20 credits
Science	15 credits
Modern Language	10 credits (Taken as two years of one language)
World History	5 credits
U.S. History	15 credits
Physical Ed/Health	20 credits (5 credits for each year of enrollment)
Visual and Performing Arts*	5 credits
Computer Literacy**	5 credits
Practical Arts***	5 credits

**Students must earn a score of “Proficient” on all sections of the High School Proficiency Assessment.**

- \* Included in the Visual and Performing Arts are courses in music, art, drama and Expressions in Writing.
- \*\* Included in Computer Literacy are the following courses: Introduction to Computer Design, Advanced Computer Design, Introduction to Digital Photography, Introduction to Graphic and Communication Design, Keyboarding and Word Processing, Microsoft Office Word & Publisher, Microsoft Office Excel & PowerPoint, Multimedia Presentations, Accounting I, Accounting II Honors, Web Page Design, Advanced Web Page Design, E-Commerce, Virtual Business, Introduction to CAD, CAD II, CAD III, CAD IV, and Introduction to Technology/Engineering.
- \*\*\* Included in Practical Arts are courses in business and information technology, family and consumer science, and industrial technology education.

## **CORE CURRICULUM CONTENT STANDARDS**

In May 1996, the New Jersey State Board of Education adopted the Core Curriculum Content Standards. Established in seven (7) subject area disciplines and the interdisciplinary Workplace Readiness area, these standards set the guidelines for mastery for all students in the state. Student attainment of these standards will be measured by statewide assessments and mastery of all skills and knowledge will become a graduation requirement.

The state Department of Education is in the process of revising the calendar for individual area testing. In each case, students will have had two years of trial testing in a field before that area test will become a mandated requirement for graduation. **According to the most recent schedule provided by the state Department of Education, all students must pass the HSPA exams in order to qualify for graduation.**

As the State Department of Education continues to disseminate information on the Core Curriculum Content Standards and the assessment strategies to measure mastery, the staff at Lenape Valley will continue to review and revise local courses of study, as needed. **It is possible that future communications from the State Department of Education will require additions to the graduation requirements listed on the preceding page or modifications of individual student schedules. In the event that any such changes are needed, students and parents will be contacted by their counselors.** Lenape Valley will maintain its commitment to offer the programs necessary to all students to ensure their preparation for any mandated assessment.

## **PROGRAM OF STUDIES POLICIES**

### DROPPING AND ADDING COURSES

Changing scheduled classes is a serious decision; therefore, the request to drop or add a course is not to be taken lightly. A conference involving the student, teacher, counselor and parent may be necessary before a student is permitted to drop a subject. If the course is dropped after the designated "Course Drop Deadline" noted on each year's school calendar, the student will receive a "WP" (Withdraw Passing) or a "WF" (Withdraw Failing). This grade will appear on school transcripts. Similarly, no student may enter a new course after the start of the school year without the approval of the principal, Subject Area Supervisor and his/her counselor.

### COURSE FAILURES/CREDIT RETRIEVAL

The Board of Education, administration, and staff of Lenape Valley Regional High School believe that all students must develop seriousness of purpose, attitudes of responsibility, and conscientious work ethics. To align practice with philosophy, any student who fails a course in the first semester cannot make up that course in the second semester. This applies even to seniors who fail a semester course required for graduation. Students who fail a course have the option to make up the course in summer school, to enroll in an approved on-line course during the school year, or to repeat the course in the subsequent school year.

### ADVANCED PLACEMENT COURSES

Students who enroll in Advanced Placement courses are expected to take the Advanced Placement Examination in the spring semester in order to receive Advanced Placement weight for the course. Students who do not take the AP Exam will be given Honors weight for the course.

### CONCURRENT COURSES

Lenape Valley Regional High School has entered into agreements with several colleges to provide juniors and seniors with the opportunity to earn college credits while in high school. Designated courses will be taught by Lenape Valley Regional High School teachers who are approved by the colleges to provide instruction in the subject area. Students will earn both college and high school credits concurrently.

## **CURRICULUM PLANNING**

Lenape Valley Regional High School offers a diverse, flexible curriculum in all areas of study. Students may select courses which meet the requirements for admission into four year colleges, junior colleges, technical and business schools, and post-high school employment. In required disciplines, the school offers four program levels to meet the range of student needs and abilities: advanced placement, honors, college preparatory and foundations courses. Students are counseled to consider their grades, test scores, teacher recommendations, and personal goals in order to select the most appropriate level for them in each area of study.

### **Academic Requirements for College Entrance**

Students who are contemplating college are well advised to pattern course selections on the general requirements set by many colleges. These include the following:

English	4 years
Mathematics	3-4 years (4-5 years for math, science, or engineering majors)
Modern Languages	2-3 years of study of the same language
Science	3 years (3-4 years for science or engineering majors)
Social Studies	3-4 years
Electives	Choices from any discipline

Since colleges vary so widely with respect to admission requirements, we strongly recommend that students consult the catalogue of the individual college or speak to their counselor about specific entrance standards. Generally, the more competitive the college the more rigorous the requirements for admission. Most colleges consider the following important factors in making admission decisions:

1. The four year scholastic record (rank in class/grade point average).
2. The quality of courses completed.
3. The scores earned in the examination of The College Board or the American College Test. (SAT or ACT)
4. The range and extent of extracurricular participation.
5. Community Service

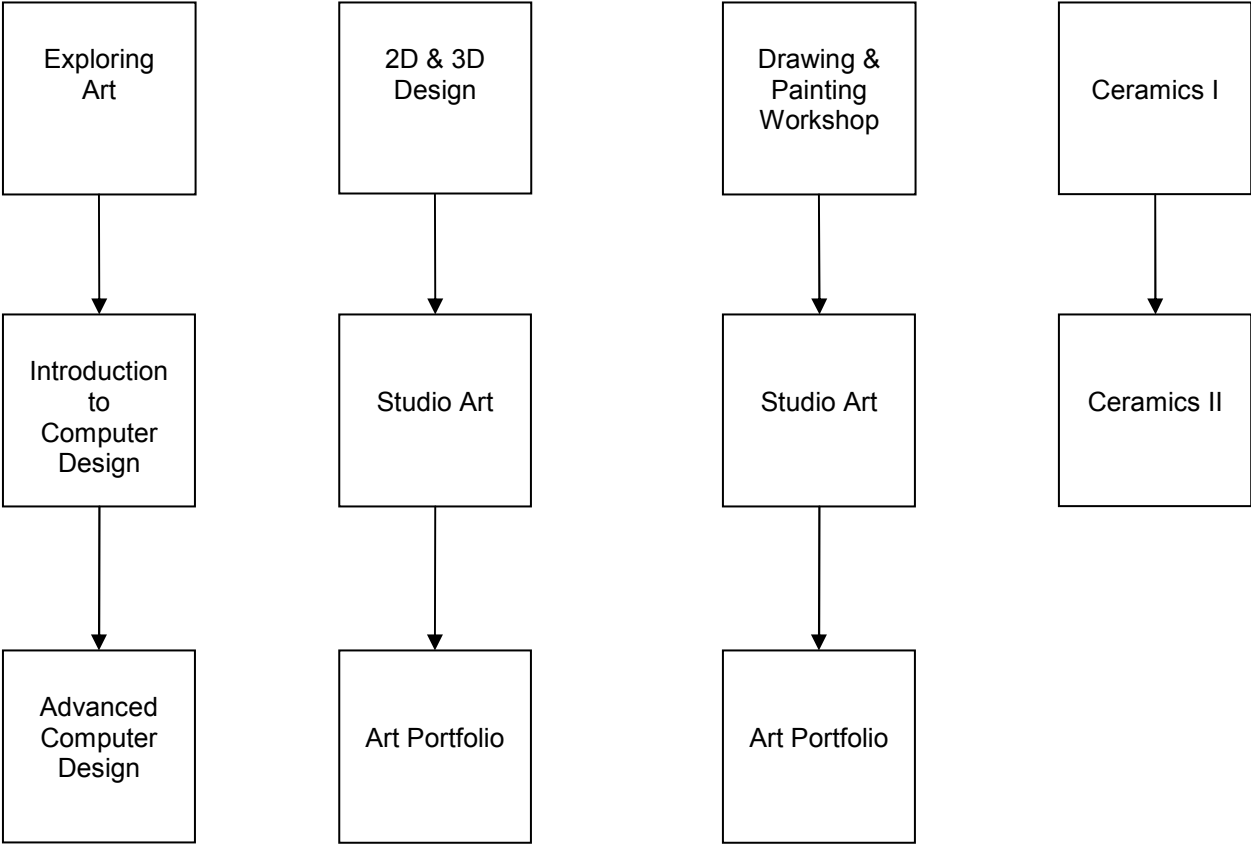
Similarly, students should bear in mind that colleges evaluate transcripts in terms of grades earned as well as courses taken. Usually, a merely passing grade does not meet college admissions standards. A general standard is a "B" or higher average.

Planning for college should start as early as the eighth grade. Students who plan to attend college but who have not earned high grades prior to high school (Grades 1-8) are advised to schedule a partial college program or a general program as freshmen. Based on their performance in the freshman year, these students can then schedule partial or full college preparatory courses in subsequent years.

## **Class Rank**

Class rank is a statistic that conveys a comparison of each student's overall academic performance with those of his or her classmates. At Lenape Valley Regional, class rank is officially calculated and recorded at the end of each school year. The grades earned in all subjects are included in the reported grade point average for the calculation of a student's rank. All courses are weighted as advanced placement, honors, college preparatory, or academic in the determination of grade point average and rank. Ranking for valedictorian and salutatorian of the graduating class are determined at the end of the 3<sup>rd</sup> marking period of senior year.

# ART DEPARTMENT COURSE SEQUENCE



**Other Electives**  
Introduction to Graphic & Communication Design  
Introduction to Digital Photography  
Art for the School and Beyond

## ART

The Art Department offers students the opportunity to think and act creatively and to express themselves through a variety of media. The department addresses the following objectives for student learning:

- The development of visual and tactile perception of form, color, and texture;
- The development of creative expression and communication of ideas and feelings through images, symbols, and forms;
- The development of aesthetic judgment, including the criteria for appraising visual forms and for arriving at personal preferences and opinions.

All students can benefit from the experience of expressive and spatial learning that an art course provides. Students who are planning to major in art should include the sequence of workshop courses in their yearly schedules. Instructors of these courses will assist students with the preparation of the portfolio required for post-secondary study.

**Exploring Art** (Grade: 9-12)  
Course Weight: Academic

Semester  
2 ½ Credits

This survey course offers students the opportunity to explore and become acquainted with a variety of materials. Attention is given to understanding art terminology and developing skills through practice. Areas covered are pencil, pen and ink, block printing, painting, and three-dimensional art. The object of the class is to acquaint the student with various media and with basic art concepts necessary to succeed in more advanced art classes. **This course counts toward the graduation requirement for Visual and Performing Arts.**

**Introduction to Computer Design** (Grade: 9-12)  
Course Weight: College Prep

Semester  
2 ½ Credits

This course permits students to explore the basic concepts of art studied in Introduction to Art - design, line texture, and composition - in an emerging medium. Using modern technology which includes several software programs and scanners, students create computer art and animation and add new dimension to their art portfolios. Students explore topics such as digital photography, movie special effects, and careers in computer graphics and animation as well as advances in industrial uses of computer art. **This course counts toward the graduation requirement for Visual and Performing Arts and Computer Literacy.**

**Advanced Computer Design** (Grade: 10-12)  
Course Weight: College Prep

Full Year  
5 Credits

Prerequisite: Successful completion of Introduction to Computer Design

This course provides those students who already have experience working with computer art software and hardware with an opportunity to engage in a visual problem-solving process. Students produce art on an electronic canvas using various drawing, painting, and animation program applications and equipment such as scanners, color printers, and a digital camera. Students extend their knowledge of current topics in computer graphics, including animation techniques, computer digital imaging methods, digital photography techniques, movie special effects, and elements of game design. Students also research computer artists and career possibilities in computer art. Art assignments produced for this class expand students' portfolios by reflecting the impact of technology on the art world today and on the production of future masterpieces. **This course counts toward the graduation requirement for Visual and Performing Arts and Computer Literacy.**

**2D & 3D Design** (Grade: 10 – 12)  
Course Weight: College Prep

Full Year  
5 Credits

This course offers students an opportunity to explore working with a variety of two dimensional, as well as three dimensional art mediums. Emphasis is upon in-depth work in materials such as pencils, pastels, pen and ink, printing inks, acrylics, sculpture, clay, paris craft, etc. Students seeking to pursue art as a career should take this course as part of the sequence leading to *Art Portfolio*. This course is also open to students who desire to continue building their art skills and knowledge. **This course counts toward the graduation requirement for the Visual and Performing Arts.**

**Drawing and Painting Workshop** (Grade: 10-12)  
Course Weight: College Prep

Full Year  
5 Credits

This course is designed to provide guidance to both the beginner and advanced students in developing their drawing and painting skills through structured practice exercises. Students will become familiar with the basics of drawing and drawing materials and then move into painting foundations. Beginning drawing and painting techniques and theories will be introduced. Basic art history, the elements and principles of design, and art critique will also be key components of the student-centered projects. This course is open to students who desire to continue building their art skills and knowledge of drawing and painting. **This course counts toward the graduation requirement for Visual and Performing Arts.**

**Introduction to Digital Photography** (Grade: 9-12)  
Course Weight: College Prep

Full Year  
5 Credits

This course is designed to provide students with an opportunity to explore photography in the digital age. Students enrolled in this course will acquire an understanding of how to utilize the basic and more advanced features of a digital camera. As part of this course, students will discover how photography has changed throughout history, the various styles of well-known photographers, and ways to apply the critique process to evaluate their own work, their classmates' work, as well as work done by famous photographers. Additionally, students will learn how to use the tools, options, and effects of various digital imaging programs, as well as a scanner, to help them produce one-of-a-kind photographic images. **This course counts toward the graduation requirement for Visual and Performing Arts and Computer Literacy.**

**Introduction to Graphic & Communication Design** (Grades: 9-12)  
Course Weight: College Prep

Semester  
2 ½ Credits

This course is designed to give students an opportunity to take on the role of a graphic/communication designer. Students taking this course will become familiar with the history of graphic design, the principles of graphic design, graphic design trends, layout procedures, the correct use of fonts, graphics, and color, visual presentation techniques for print or on screen, issues related to copyrighted images, graphic/communication design related careers, and ways to effectively critique graphic design artworks. Additionally, they will use various traditional art media, a digital camera, as well as computer software and hardware employed by graphic/communication artists in the real world, to produce projects such as brochures, logos, advertisements, billboards, book jackets, CD covers, package designs, business cards, magazine covers, movie posters, etc. As a result of taking this course, students will have a strong design sense and high level of competency in using industry related technology. **This course counts toward the graduation requirement for Visual and Performing Arts and Computer Literacy.**

**Studio Art** (Grade: 11- 12)  
Course Weight: College Prep  
Prerequisite: 2D & 3D Design or Drawing and Painting Workshop

Full year  
5 Credits

Studio Art offers interested students an opportunity to explore various media and art concepts in an in-depth manner. In this course, students begin creating and collecting major works of art for portfolio inclusion. Independent study is a significant focus of this class. Students are encouraged to develop a personal style through student-driven creations. Art history and critique will be thoroughly explored. This course is open to all students seeking to continue building art skills and knowledge. Students interested in pursuing a career in the arts are strongly advised to select this course as it is part of the progression of classes for career-bound art students. **This course counts towards the graduation requirement for Visual and Performing Arts.**

**Art Portfolio Honors** (Grade: 11 – 12)  
Course Weight: Honors  
Prerequisite: Studio Art

Full Year  
5 Credits

This is the course where students continuing their education in the arts develop and prepare their final portfolios for presentation to a university or art school. They will be shown exactly what types of work art schools seek and will be required to photograph their strongest pieces for professional review. Students will concentrate on the weakest components in their current collection of work, in order to complete a well-rounded art portfolio. Major art movements and artists will be reviewed and studied in-depth. Professional art critique and analysis will be a major component of this class. **This course counts toward the graduation requirement for Visual and Performing Arts.**

**Ceramics I** (Grade: 9 – 12)  
Course Weight: Academic

Semester  
2 ½ Credits

Methods and processes of forming clay are presented with direct experiences in using the potter's wheel, modeling, pressing, and slip casting. Emphasis upon the study of form, color and texture is balanced with concern for the technical aspects of the ceramic arts including glaze composition and firing procedures. **This course counts toward the graduation requirement for Visual and Performing Arts.**

**Ceramics II** (Grade: 9 – 12)  
Course Weight: Academic  
Prerequisite: Successful completion of Ceramics I

Semester  
2 ½ Credits

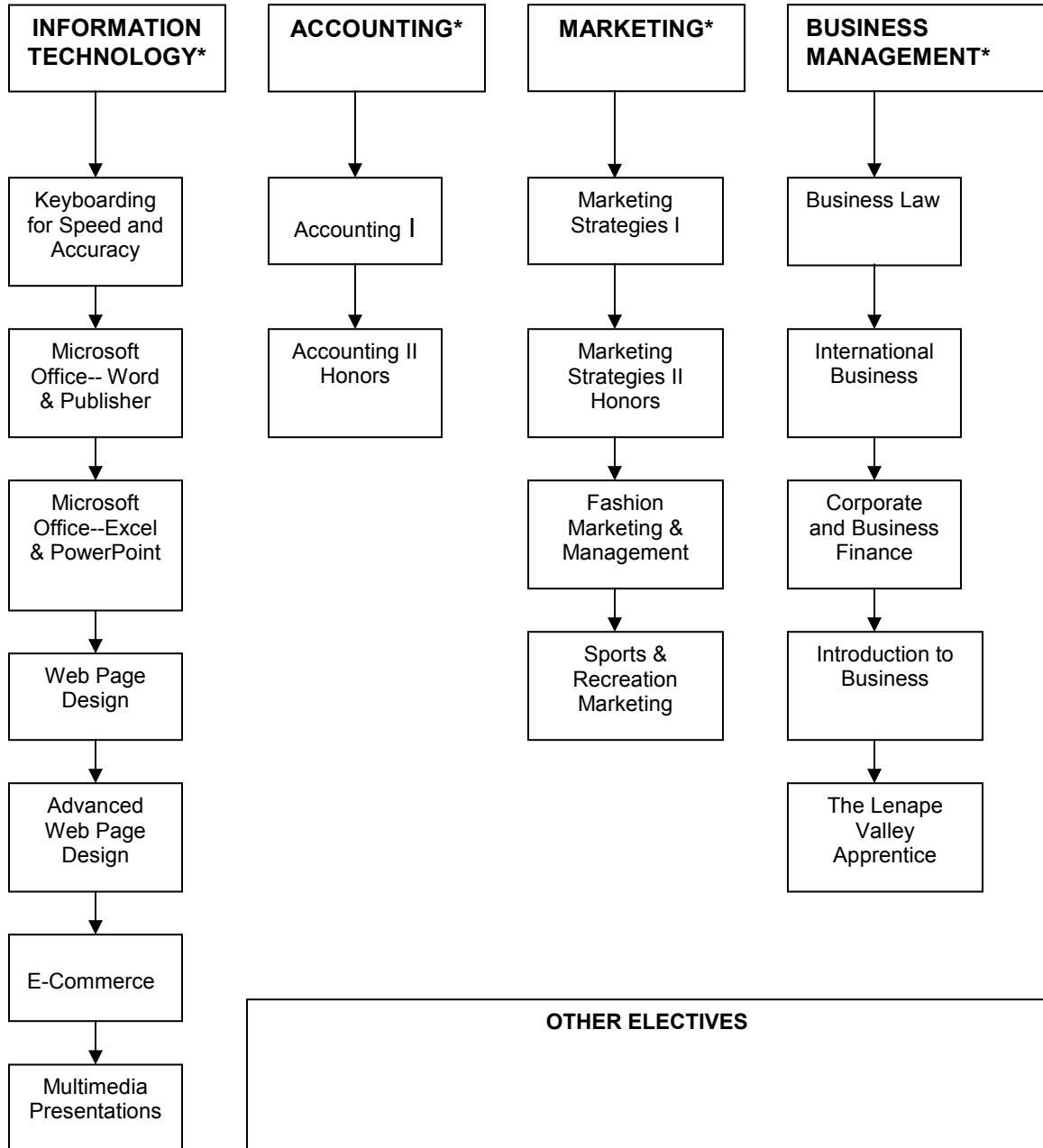
Ceramics II offers students the opportunity to extend their ceramic and three-dimensional art experiences. Students study advanced hand building techniques, pottery design, and art history of this medium. Students are encouraged to develop a personal style and produce a ceramics dimension of their art portfolios for application for college study. **This course counts toward the graduation requirement for Visual and Performing Arts.**

**Art for the School and Beyond** (Grade: 9-12)  
Course Weight: College Prep

Full Year  
5 Credits

This community service course is designed to give students an opportunity to produce various types of artistic creations for the purpose of making a beneficial difference in the high school and surrounding communities. As part of this course, students will create projects such as: programs for school plays and concerts, event posters, wall murals, photographic images, greeting cards, ceramic works, papier-mâché puppets, logo designs, etc. The focus of these project assignments will be to make a positive impact on the lives of individuals at the school and people in our communities. Through reflection and active participation, students will come to realize that their creative actions can make a difference in their school and the world in which they live. **This course counts toward the graduation requirement for Visual and Performing Arts.**

# BUSINESS AND INFORMATION TECHNOLOGY COURSE SEQUENCE



\*These course sequences are recommended for the designated college business majors. Students are encouraged to experience offerings in all of these respective areas.

## BUSINESS AND INFORMATION TECHNOLOGY

The Business and Information Technology Department offers a wide variety of courses designed for students who plan to continue study in business or related fields in college, students who plan immediate post-high school employment, and students who wish to develop business skills for lifelong personal use. The department identifies the following proficiencies for all students who select Business and Information Technology offerings:

- Knowledge of the varied skills and proficiencies required by business occupations.
- Identification of opportunities that exist in business occupations as part of future career planning.
- Development and frequent modification of a personal inventory of business skills.
- Opportunity to work in a classroom environment with current business technologies.

In conjunction with the County College of Morris and Sussex County Community College, the department extends to students the chance to earn college credits while in high school.

**Keyboarding for Speed and Accuracy** (Grades: 9-12)  
Course Weight: Academic

Semester  
2 ½ Credits

Students in this course acquire a mastery of the computer keyboard through the development of the touch-method of keyboarding. This skill is complimented with attaining good techniques, knowledge of computer system parts, an introduction to microcomputer terminology and participation in a variety of exercises and drills to build speed and accuracy using keyboarding software. **This course counts towards the graduation requirement for Computer Literacy and Practical Arts.**

**Microsoft Office—Word & Publisher** (Grades: 9-12)  
Course Weight: College Prep

Semester  
2 ½ Credits

This course provides an introduction to word processing and desktop publishing using Microsoft Office--Word and Publisher. Included are the concepts and commands needed to create, edit, manipulate and print documents. Upon completion of this course, students will have developed a thorough proficiency in word processing and desktop publishing skills that are essential in completing course work in high school, college, and the business world. Students will maintain an electronic portfolio to showcase their work. Students will be sufficiently prepared to independently take a MOUS (Microsoft Office User Specialist) certification exam to demonstrate their expertise in these programs. **This course counts towards the graduation requirement for Computer Literacy and Practical Arts.**

**Microsoft Office—Excel and PowerPoint** (Grades: 9-12)  
Course Weight: College Prep

Semester  
2 ½ Credits

This course provides an introduction to spreadsheets and business presentations using Microsoft Office--Excel and PowerPoint. Included are the concepts and commands needed to create, edit, manipulate, print and present documents. Upon completion of this course, students will have developed a thorough proficiency in skills that are essential in completing course work in high school, college, and the business world. Students will maintain an electronic portfolio to showcase their work. Students will be sufficiently prepared to independently take a MOUS (Microsoft Office User Specialist) certification exam to demonstrate their expertise in these programs. **This course counts towards the graduation requirement for Computer Literacy and Practical Arts.**

**Web Page Design** (Grades: 9-12)  
Course Weight: College Prep

Semester  
2 ½ Credits

This course is designed to give students a basic introduction to HTML and the creation of web pages. Students will be able to read, write, and edit HTML coding. They will learn how to create, edit, manage, and upload their own web pages onto the Intranet. The course will also explore the basics of the software program Macromedia Studio. Course content is sufficiently flexible to accommodate the rapid changes in technology. **This course counts towards the graduation requirement for Computer Literacy and Practical Arts.**

**Advanced Web Page Design** (Grades: 9-12)  
Weight: College Prep  
Prerequisite: Successful completion of Web Page Design

Semester  
2 ½ Credits

This course provides a practical application learning experience for those students who have completed Web Page Design. Students will focus on maintaining and updating a real-life web page on the Intranet. They will receive instruction in advanced design and layout techniques using higher-level features of the Macromedia Studio software package. **This course counts towards the graduation requirement for Computer Literacy and Practical Arts.**

**Multimedia Presentations** (Grades: 9-12)  
Course Weight: College Prep

Full Year  
5 Credits

Multimedia Presentations is a laboratory-based course designed to provide an overview of and experience in multimedia technology. Sounds, images, graphics, animation, and video are the informational resources from which students will construct media rich knowledge structures. Students will develop necessary skills and obtain hands-on experiences working with a variety of multimedia tools to build interactive products. The emphasis of this course is the production of individual and/or group projects. Macromedia Director Multimedia Studio software is used. **This course counts towards the graduation requirement for Computer Literacy and Practical Arts.**

**E-Commerce** (Grades: 9-12)  
Course Weight: College Prep

Semester  
2 ½ Credits

E-Commerce is rapidly taking its place as a standard mode of doing business. Traditional, established firms as well as new business start-ups are creating E-Business web sites. This course teaches students how to conduct business online and the technological issues associated with constructing an electronic-commerce web site. Students will implement a genuine transaction-enabled business-to-consumer web site, examine strategies and products available for building electronic-commerce sites, examine how such sites are managed, and explore how they can complement an existing business infrastructure. **This course counts towards the graduation requirement for Computer Literacy and Practical Arts.**

**Accounting I** (Grades: 9-12)  
Weight: College Prep

Full Year          Course  
5 Credits

This course presents the principles and procedures that guide the recording, classifying, summarizing, and interpreting of financial data for a business enterprise. Students in the course move through the accounting cycle: analyzing business documents, journalizing, posting, preparing financial statements, determining profit or loss, and maintaining a checkbook. Experiences are designed to determine the student's interest in and aptitude for accounting as an entry-level occupation and as a possible college major. Computerized accounting procedures will be introduced. **This course counts towards the graduation requirement for Practical Arts.**

**Accounting II Honors** (Grades: 10-12) Full Year  
Course Weight: Honors 5 Credits  
Prerequisite: Successful completion of College Prep Accounting I with a grade of “C” or higher.

Building upon the fundamental principles acquired in College Prep Accounting I, students in this second-year course study more advanced strategies: cost accounting methods, budgeting, reporting, analysis of operations, departmental accounting, and partnership and corporate accounting. Instruction emphasizes the analysis and interpretation of records and financial reports. Computerized accounting procedures will be emphasized. Students enrolled in this course are required to participate in the state competency test of accounting knowledge and skills administered at the end of the year. **This course counts towards the graduation requirement for Computer Literacy and Practical Arts.**

**Marketing Strategies I** (Grades: 9-12) Full Year  
Course Weight: College Prep 5 Credits

Students learn the marketing principles of manufacturing, promotion, advertising, and selling of everyday consumer products as well as the role of marketing in our free enterprise system. As part of their learning laboratory in the field of marketing, students in this course operate the school store and participate in DECA (Distributive Education Clubs of America). Participation in DECA is mandatory and requires payment of membership dues and attendance at academic competitions. **This course counts towards the graduation requirement for Practical Arts.**

**Marketing Strategies II Honors** (Grades: 10-12) Full Year  
Course Weight: Honors 5 Credits  
Prerequisite: Successful completion of Marketing Strategies I with a grade of “C” or higher.

Students are provided with an in-depth study of marketing and advertising principles. Topics covered include price planning, physical distribution, pricing calculations, marketing research, and retail sales promotion. Enrolled students continue their mandatory participation in DECA (Distributive Education Clubs of America) which includes membership dues and attendance at academic competitions. Students who have completed this course must take a state competency test to assess their knowledge of principles. **This course meets the requirement for Practical Arts.**

**Fashion Marketing & Management** (Grades: 9-12) Semester  
Course Weight: College Prep 2 ½ Credits

This course is designed for students interested in the fashion industry as it relates to the merchandising of fashion and management opportunities. Topics include an overview of the fashion industry, evolution and movement of fashion, merchandising, risk management, promotion, fashion show production, and career development. Participation in DECA (Distributive Education Clubs of America) is suggested in this course. **This course counts towards the graduation requirement for Practical Arts.**

**Sports & Recreation Marketing** (Grades: 9-12) Semester  
Course Weight: College Prep 2 ½ Credits

Sports and recreation marketing are among the fastest growing fields in American business. Through project-based learning activities and case studies, students will gain insight into the marketing of tournaments, concerts, and recreational events. Students will explore these fields as occupational opportunities. Participation in DECA (Distributive Education Clubs of America) is suggested in this course. **This course counts towards the graduation requirement for Practical Arts.**

**Business Law** (Grades: 9-12)  
Course Weight: College Prep

Semester  
2 ½ Credits

This elective provides an introduction and overview of the legal environment of business. Students will gain knowledge of the historical development of legal institutions, coverage of business-related torts and contracts, product liability, real and personal property, and the impact of the law upon business decision-making. This course will address the core curriculum content standards in technology, critical thinking, decision-making, and problem-solving. **This course counts towards the graduation requirement for Practical Arts.**

**Corporate and Business Finance** (Grades: 9-12)  
Course Weight: College Prep

Semester  
2 ½ Credits

This course is designed to help students develop a personal financial plan. They will learn how to establish their short-term, intermediate and long-term goals. In addition, they will learn the components of budgeting, on-line banking, managing liquidity, financing large purchases, spending their money wisely, investing money and protecting their wealth. Students will transfer this knowledge and explore further the business applications of finance. **This course counts towards the graduation requirement for Practical Arts.**

**Introduction to Business** (Grades: 9-12)  
Course Weight: College Prep

Semester  
2 ½ Credits

Students are provided with an introduction to business, including supply & demand, pricing, purchasing, staffing, market research, promotion, financing, merchandising, security and financial statements. Lessons will be primarily based on a simulated convenience store located within a simulated marketplace in which students exercise control over business-making decisions. Students will compete with one-another for customers based on their business decisions. **This course counts towards the graduation requirement for Computer Literacy and Practical Arts.**

**International Business** (Grades: 9-12)  
Course Weight: College Prep

Semester  
2 ½ Credits

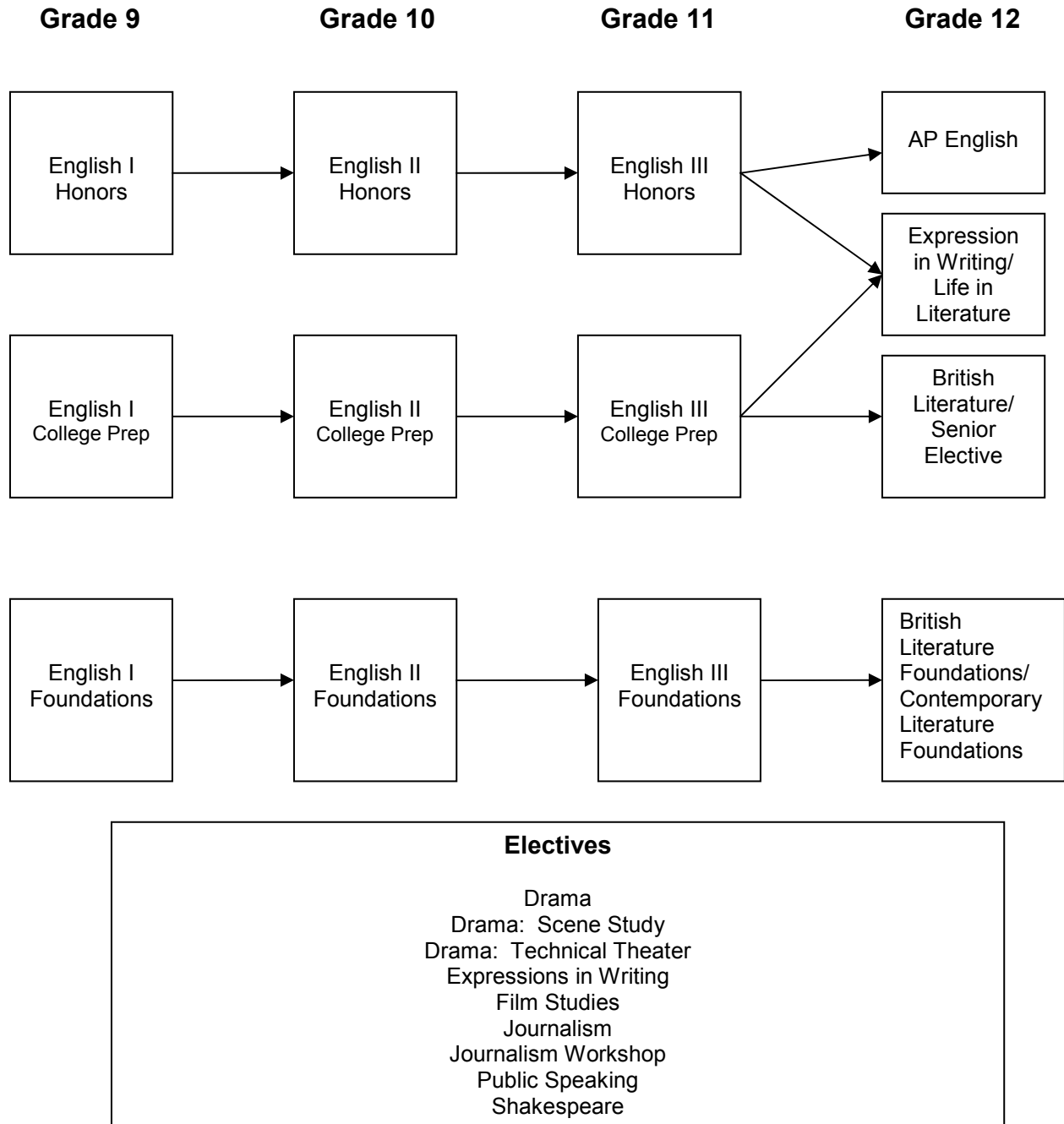
This course explores ways in which business is affected in areas such as accounting, finance, marketing, and operations in an international context. Students will be introduced to the interrelationships of different countries' political and economic policies and business practices, including cultural, educational, political and economic restraints. Emphasis will also be placed on international financial and trade agreements and their impact from a competitive and collaborative perspective. Students will also gain global awareness, notably an understanding of the challenges and issues facing multinational corporations. **This course counts towards the graduation requirement for Practical Arts.**

**The Lenape Valley Apprenticeship** (Grades: 9-12)  
Course Weight: College Prep

Semester  
2 ½ Credits

The goal of this course is to prepare students for the challenges of leadership in the business world by importing slices of business reality into the classroom. Throughout this course, students are presented with a detailed account of real-life business situations, describing the dilemma of a real person with a real job who is confronted with a real problem. Students will confront the kinds of decisions and dilemmas managers confront every day in resolving such situations. The foundations of management education will be a reference point in addressing the cases presented. Under the skillful guidance of the instructor, students work together to analyze and synthesize conflicting data and points of view, to define and prioritize goals, to persuade and inspire others who think differently, to make tough decisions with uncertain information, and to seize opportunity in the face of doubt. **This course meets the requirement for Practical Arts.**

# ENGLISH DEPARTMENT COURSE SEQUENCE



## ENGLISH

The English Department has designed courses to provide all students with a meaningful four-year study of the arts of language and learning. Students in all English classes will be expected to:

- Employ the writing process to compose in various modes for various purposes.
- Write units of discourse that demonstrate topic development, effective organization, appropriate vocabulary and stylistic choices, and clear language use.
- Read, respond to, and analyze works of literature drawn from different genres, cultures, and time periods.
- View, understand, and use non-textual visual information.
- Listen actively in a variety of situations to information from a range of sources.
- Practice formal and informal discourse for a variety of purposes and audiences in a variety of contexts.
- Develop and refine SAT vocabulary and test-taking strategies.
- Apply test-taking strategies to diverse testing purposes, with reference to critical thinking, reading comprehension, language structure, and vocabulary development.
- Use reference materials and technology to compose and to conduct research.
- Explore literature and the arts in historical contexts through interdisciplinary activities.

Students satisfy the four-year graduation requirement in this discipline by successfully completing English I, II, and III and one of the four options for English IV. Options among required grade level courses are based on an appropriate developmental sequence and offer challenging language arts literacy experiences through which students can succeed and excel. After fulfilling specified prerequisites, students may select additional electives to enhance and enrich their learning.

**English I Honors** (Grade: 9)  
Course Weight: Honors

Full Year  
5 Credits

English Honors I is an intensive and extensive study of literary genres and the writing process. All features of the course (reading, group discussion, study of grammar, oral presentations, critical thinking, media center orientation, writing, and research) are demanding and challenging.

**English I** (Grade: 9)  
Course Weight: College Prep

Full Year  
5 Credits

English I is designed as a college preparatory course in the different types of literature (short story, novels, drama, poetry), the study of language (grammar, usage and mechanics), media center orientation and research, composition (the writing process), and public speaking.

**English I Foundations** (Grade: 9)  
Course Weight: Academic

Full Year  
5 Credits

English I Foundations stresses the acquisition and application of integrated language skills. Activities are assigned in grammar, spelling, vocabulary, and public speaking, with additional emphasis upon study/work habits, use of the dictionary, research skills, and listening attitudes. Attention is focused on strengthening reading and writing proficiencies through responses to literature and the writing process.

**English II Honors** (Grade: 10)  
Course Weight: Honors

Full Year  
5 Credits

Prerequisite: Successful completion of English I Honors with a "C" or better or Subject Area Supervisor recommendation.

English II Honors is a demanding and challenging course. Through a chronological study of American literature and an intensive reading program, students complete diverse activities related to analysis of texts, group discussion, research, and the writing process.

**English II** (Grade: 10)  
Course Weight: College Prep

Full Year  
5 Credits

Prerequisite: Successful completion of English I or Subject Area Supervisor recommendation.

English II College Prep is a college preparatory course organized around a chronological study of American Literature. In each period of development students read and respond to literature, study historical background, and complete research/writing assignments using the writing process.

**English II Foundations** (Grade: 10)  
Course Weight: Academic

Full Year  
5 Credits

Prerequisite: Successful completion of English I Foundations or Subject Area Supervisor recommendation.

English II Foundations emphasizes the refinement of skills in language, reading and writing organized around a study of American Literature. The skills are reinforced through a sequence of assignments in grammar, vocabulary, spelling, use of the dictionary, the writing process, research, response to literature, and the mass media.

**English III Honors** (Grade: 11)  
Course Weight: Honors

Full year  
5 Credits

Prerequisite: Successful completion of English II Honors with a "C" or better or Subject Area Supervisor recommendation.

This course is a rigorous study of British Literature through analysis of reading, writing, research projects, group discussions, and class projects. The first marking period of the course will be devoted entirely to skills necessary for PSAT/SAT and HSPA preparation with an emphasis on the writing/grammar components.

**English III** (Grade: 11)  
Course Weight: College Prep

Full year  
5 Credits

Prerequisite: Successful completion of English II or Subject Area Supervisor recommendation.

This course is a college preparatory course broken into two separate semesters. The first semester is a composition course that focuses on students' writing skills with a process based approach. Emphasis is given to the preparation of the college essay, PSAT/SAT and HSPA skills, process based writing, and the research paper. The second semester is devoted to the study of British Literature from the Anglo-Saxon Period to the Jacobean Era.

**English III Foundations** (Grade: 11) Full year  
Course Weight: Academic 5 Credits  
Prerequisite: Successful completion of English II Foundations or Subject Area Supervisor recommendation.

This course, for students who require continued assistance in language arts will be broken into two separate semesters. The first semester is a composition course that focuses on test preparation skills for the HSPA, PSAT/SAT, college essay, process based writing, and the research paper. The second semester is devoted to the study of literature.

#### **English IV (Option 1): Advanced Placement English**

**Advanced Placement English (Grade: 12)** Full Year  
Course Weight: Advanced Placement 5 Credits  
Prerequisite: Successful completion of English III Honors or Subject Area Supervisor recommendation.

This course surveys the history of ideas through a thematic approach to literature. The relationship of ideas is emphasized by exploring diverse literature representing a variety of cultures, ethnicities, decades, and genres. In this rigorous course, students are expected to complete lengthy readings, frequent writing assignments using the writing process, research projects, and discussion guide sheets. Students prepare for and take the Advanced Placement Examination. **Students enrolled in this course are expected to take the Advanced Placement Examination.**

#### **English IV (Option 2): Expressions in Writing/Life in Literature Honors**

**Expressions in Writing Honors** (Grades: 10 – 12) Semester  
Course Weight: Honors 2 ½ Credits  
Prerequisite: Teacher recommendation based on writing proficiency and ability to work independently.

This course examines the creative processes in writing; therefore, students who enroll in this course in order to fulfill part of the senior English requirement are expected to have demonstrated proficiency in the processes, structures, and conventions of expository writing. Students study a variety of forms: composition, descriptive prose, poetry, personal essays, short stories, critical analysis, argumentation, and the college essay. Writing process is required. For the final examination, students produce a portfolio, including a reflective evaluation of their work, which documents their discovery of a personal writing process and style. **Taken in the sophomore or junior year, this course does not satisfy the senior English requirement for graduation. Taken as an elective, this course counts toward the graduation requirement for a semester of Visual and Performing Arts.**

**Life in Literature Honors** (Grade: 12) Semester  
Course Weight: Honors 2 ½ Credits  
Prerequisite: Successful completion of English III or English III Honors or Subject Area Supervisor recommendation.

Through the study of contemporary literature and a research project, students increase their awareness of self and the individual's place in society. Current issues are discussed in terms of their effects on both the individual and society. Students read works which may include novels, short stories, poems, and essays to respond to the life experiences of others and to relate those to their own experiences.

**English IV (Option 3):**

**Taken in the fall of senior year, students must pass British Literature to meet their graduation requirement.**

**British Literature** (Grade: 12) Semester  
Course Weight: College Prep 2 ½ Credits  
Prerequisite: Successful completion of English III or Subject Area Supervisor recommendation.

This survey course is a continuation of the study of British Literature begun in the junior year. The course is a chronological study of British Literature from the Victorian Age to the present.

**Taken in the spring of senior year, students must choose and pass one of the following courses to meet their graduation requirement.**

**Modern Fiction** (Grade: 12) Semester  
Course Weight: College Prep 2 ½ Credits.

Plays, short stories, and short novels from various countries will be selected for reading, discussion, and critical response. Students will analyze character, plot, setting, point of view, and theme. These elements of fiction will be researched for written assignments.

**Myth in the Modern World** (Grade: 12) Semester  
Course Weight: College Prep 2 ½ Credits

This course consists of myths, hero-tales, and fairy tales which represent a society's basic cultural and oral values recorded in literary form. Students will examine the basic mythologies generated by diverse cultures (Greece, Rome, Scandinavia, Asia, American Indian, etc.) as well as the works of Joseph Campbell. Students will also explore the hero's journey through films such as *Star Wars*, *Indiana Jones*, and *Lord of the Rings*. Students will trace parallel elements to show the basic kinship between peoples in spite of superficial differences. Such study affords the students a better understanding and appreciation of different cultures and a familiarity with mythology's vast and varied influence on our language, literature, and lifestyle.

**Race and Gender in Literature** (Grade: 12) Semester  
Course Weight: College Prep 2 ½ Credits

This course explores the roles of the relationships between men and women and among races as depicted in short stories, plays, novels, and films. Fictional characters will be examined from historical, social, and literary points of view. What are men's expectations of women and how have these attitudes evolved? How have the images of women and minorities changed and progressed as both groups used their voices to struggle for independence? The texts will be examined both as literature and as social documents depicting the experience of men, women, and minorities.

**The Short Story Adapted to Film** (Grade: 12) Semester  
Course Weight: College Prep 2 ½ Credits

Many of film's finest achievements have their origins in the genre of the short story. This course focuses on the stories which have become the basis for films over the past century, spanning the early classic works of the silent film era through contemporary giants of the cinema such as Spielberg, Kubrick, Capra, and Ford. Authors such as Hemingway, Cheever, Faulkner, Chekhov, Oates, Orr, Carver and Chopin will be studied with an eye to comparison of the original work with its film adaptation. Elements of fiction such as point of view, theme, plot, characterization, irony and setting will be analyzed in both. In addition, the nature of the influence of directors, actors, designers and production personnel will be scrutinized for both positive and detractive effects. Insights into the process of turning a short story into a screenplay will be made through research. The culminating project will be a proposal for a film adaptation of an existing short story.

## English IV Foundations (Options 4)

**Foundations of British Literature** (Grade: 11-12) Semester  
Course Weight: Academic 2 ½ Credits  
Prerequisite: Successful completion of English III Foundations or Subject Area Supervisor recommendation.

This survey course is a continuation of the study of British Literature begun in the junior year. The course is a chronological study of British Literature from the Victorian Age to the present.

**Contemporary Literature** (Grade: 12) Semester  
Course Weight: Academic 2 ½ Credits  
Prerequisite: Successful completion of English III Foundations or teacher recommendation.

This course stresses reinforcement of language, reading, and writing skills and processes. Through a series of reading activities (novels, poetry, essays, drama, short stories), students study and analyze life situations and career expectations as they relate to poverty, alienation, family life, prejudice, and happiness.

## ELECTIVES

*These elective courses **do not fulfill** the English requirement for graduation.*

**Shakespeare** (Grade: 11-12) Semester  
Course Weight: College Prep 2 ½ Credits  
Prerequisite: Successful completion of English I and II.

This course will explore the language, characterization, settings and themes found in various tragedies, comedies, and histories written by William Shakespeare. Students read the plays and participate in various activities such as creating a human slide show, using their voices in reader's theater, interviewing characters, and/or acting out scenes from the plays.

**Public Speaking** (Grades: 9 - 12) Semester  
Course Weight: College Prep 2 ½ Credits

This course offers students a context in which to gain experience and develop skills in interpersonal communications and public speaking. Course participants outline, prepare and deliver speeches with a variety of purposes to be presented to a variety of audiences. **This course counts toward the graduation requirement for Visual and Performing Arts.**

**Dramatics** (Grades: 9 – 12) Semester  
Course Weight: Academic 2 ½ Credits

This course provides practical experience in acting, staging and directing on a stage. The process is organized as a group effort to be experienced by all students in the class. In addition, students study the history, terminology, and recent developments of the theater, motion pictures, and television. **This course counts toward the graduation requirement for Fine, Practical, and Performing Arts.**

**Drama Seminar: Scene Study** (Grades: 9 – 12) Semester  
Course Weight: College Prep 2 ½ Credits  
Prerequisite: Successful completion of Dramatics or the approval of the Subject Area Supervisor.

This course offers the student an opportunity to extend the knowledge of scene study and historical periods begun in Dramatics. In this sequel course, students will refine their skills of scene interpretation and explore elements of characterization, costuming, and scene design. **This course counts toward the graduation requirement for Visual and Performing Arts.**

**Drama Seminar: Technical Theater** (Grades: 9 - 12) Semester  
Course Weight: College Prep 2 ½ Credits  
Prerequisite: Successful completion of Dramatics or the approval of the Subject Area Supervisor.

This course permits students to work with three aspects of theatrical design: lighting, sound, and video production. Enrolled students work in conjunction with the students in the Drama Seminar: Scene Study course to create actual scene productions. The tech theater students create the theater planning, lighting production, and sound and video components of the scene study assignments. **This course counts toward the graduation requirement for Visual and Performing Arts.**

**Film Studies** (Grades: 9 – 12) Semester  
Course Weight: Academic 2 ½ Credits

This course examines both the development of film and literary elements which are employed by film makers and screen writers. Students will view films in their entirety, as well as key scenes in films, in order to observe, discuss and critique the evolution of film, literary techniques, and special effects. Through the use of film, students will gain a greater appreciation for character, plot and theme development as well as an understanding of techniques used by film makers to make an impact on the viewer. Students will complete a number of assignments including oral and written reports, movie reviews, and an introduction to screenplay writing.

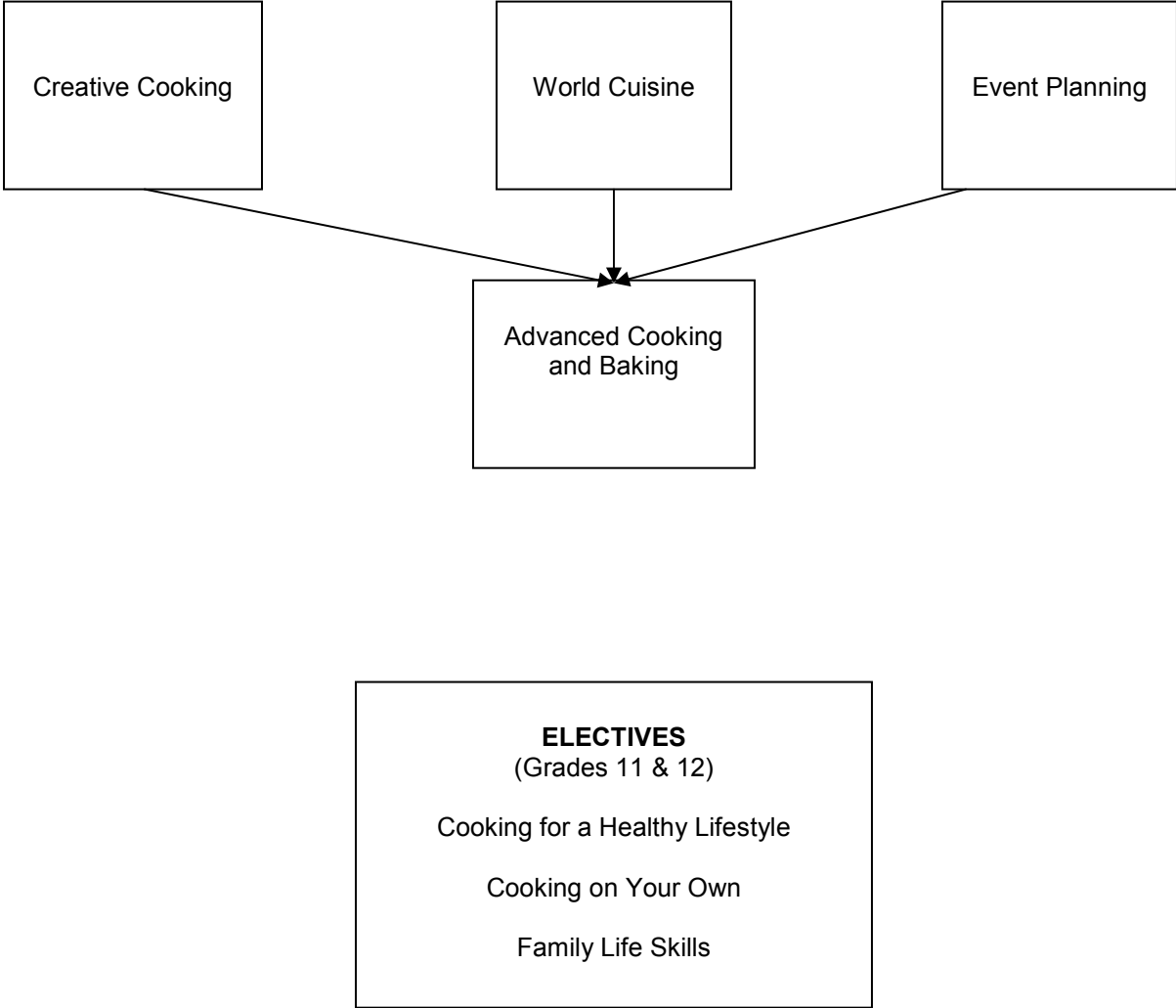
**Journalism** (Grades: 11 – 12) Full Year  
Course Weight: College Prep 5 Credits

This course provides the opportunity for students to study journalistic responsibility, the writing process in story reporting, and the mechanics of producing a publication. Emphasis is upon distinguishing between different reporting processes and upon the fundamentals of clear, effective, and correct writing. **This course counts toward the graduation requirement for Visual and Performing Arts.**

**Journalism Workshop Honors**(Grades: 12) Full Year  
Course Weight: Honors 5 Credits  
Prerequisite: Successful completion of Journalism and/or the approval of the Subject Area Supervisor.

This course provides a second-year classroom experience for those students who have completed Journalism and who assume full responsibility for the production of all issues of the school newspaper. Through this workshop, students gain proficiency in the technology of news coverage, the selection of information sources, copy editing, editorial management, production, and design. **This course counts toward the graduation requirement for Visual and Performing Arts and Computer Literacy.**

**FAMILY AND CONSUMER SCIENCES  
COURSE SEQUENCE**



## FAMILY AND CONSUMER SCIENCE

The Family and Consumer Science Department offers students beginning to advanced study in the areas of foods and family life. Students in these classes address the following proficiencies:

- To develop and apply communications and data analysis to the problem-solving and decision making processes in a variety of life situations.
- To develop career awareness and planning, employability skills and foundational knowledge necessary for success in the workplace.
- To demonstrate interpersonal teamwork and leadership skills necessary to function in a diverse workplace.

Students interested in pursuing careers related to family and consumer science, nutrition, culinary arts, elementary education, or child development are encouraged to pursue electives in this department.

**Creative Cooking** (Grades: 9 - 12)  
Course Weight: Academic

Semester  
2 ½ Credits

This introductory course offers students learning opportunities in the following areas: principles of food preparation and safety, healthy nutrition, consumer awareness and career exploration. **This course counts toward the graduation requirement for Practical Arts.**

**World Cuisine** (Grades: 9-12)  
Course Weight: Academic

Semester  
2 ½ Credits

World Cuisine is a semester course that will introduce students to various cooking methods utilized around the world. Students will learn the cultural, social and geographic factors that influence food choices and define a country's cuisine. Foreign and domestic cuisines will be studied with food preparation from areas including: Europe, Asia, South America, Australia, and regions of the United States. **This course counts toward the graduation requirement for Practical Arts.**

**Event Planning** (Grades: 9-12)  
Course Weight: Academic

Semester  
2 ½ Credits

This semester course will teach students how to plan and prepare food for special events. Guest speakers from the restaurant and catering industries will be invited to demonstrate garnishing and cooking techniques that are used in the food industry. This course includes core standards such as career awareness, employability skills and knowledge necessary for success in the workplace. **This course counts toward the graduation requirement for Practical Arts.**

**Advanced Cooking/ Baking** (Grades: 9-12)  
Course Weight: Academic  
Prerequisite: Creative Cooking, World Cuisine or Event Planning

Semester  
2 ½ Credits

This semester course features advanced cooking and baking techniques. Students will use their previous basic cooking skills learned in Creative Cooking, World Cuisine, or Event Planning to expand their techniques. Baking and pastry making would be emphasized. Students will offer their products for sale to the faculty and staff. This course includes core standards such as career awareness, employability skills and knowledge necessary for success in the workplace. **This course counts toward the graduation requirement for Practical Arts.**

**Cooking On Your Own** (Grades: 11 - 12)  
Course Weight: Academic

Semester  
2 ½ Credits

This one semester course is designed to help students plan, shop and prepare meals when they are living independently. The course is designed for students who have not had previous cooking experience. Emphasis will be placed on easy, economical meals that can be prepared in less than an hour. Students will also learn to plan and prepare a full course celebration meal. **This course counts toward the graduation requirement for Practical Arts.**

**Cooking for a Healthy Life Style** (Grades: 11 – 12)  
Course Weight: Academic

Semester  
2 ½ Credits

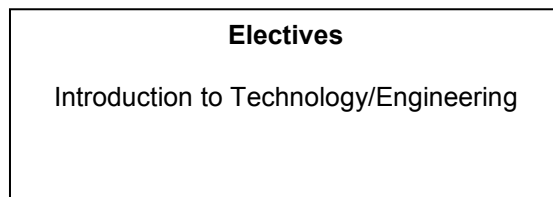
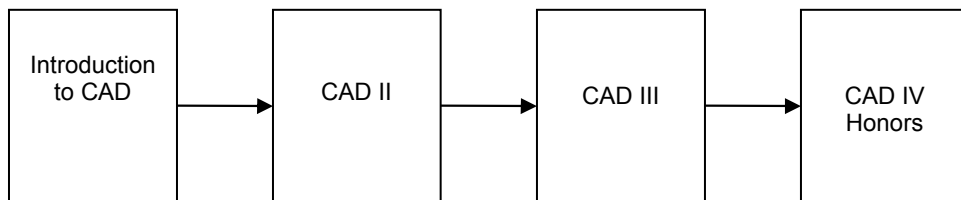
This semester course is designed for students who have not taken a cooking course. Students will learn basic cooking techniques which will allow them to prepare healthy meals. The emphasis will be placed on low-fat, nutritious cooking that students will use to ensure healthy eating habits throughout their lives. Students will research popular diets and analyze their own food intake. **This course counts toward the graduation requirement for Practical Arts.**

**Family Life Skills** (Grades: 11 – 12)  
Course Weight: College Prep

Full Year  
5 Credits

This full year course offers a study of the child in relation to the family unit. Students will study child development and explore popular child development theories. Students will work with, plan lessons and observe preschoolers in our on-site preschool as well as observations at area preschools. A learning aid or toy will be developed by the student to be used in the preschool lab. Throughout this course students will be exposed to career options involving working with children. Many students in this course pursue a career in education or related fields. This course emphasizes core standards relating to interpersonal teamwork and leadership skills necessary to function in a diverse workplace, reinforced by participating in a service learning experience. **This course may earn Tech Prep credits if the student meets established requirements. This course counts toward the graduation requirement for Practical Arts.**

# INDUSTRIAL TECHNOLOGY DEPARTMENT COURSE SEQUENCE



## INDUSTRIAL TECHNOLOGY

The Industrial Technology program offers course sequences in technical and architectural drafting. These courses blend academic training and practical, hands-on laboratory experiences. The program encourages all participants to develop marketable skills, prepare for further education, and gain consumer knowledge. All students enrolled in these courses work to meet the following proficiencies:

- To develop an understanding of drafting/design industry, including technology, organization, operations, products, and occupational opportunities.
- To master the skills of the drafting and design field using the AutoDesk Academy software.
- To acquire and refine the basic principles of design and the recognition of quality workmanship.
- To develop an appreciation for problem-solving and the use of time management practices.

**Introduction to CAD** (Grades: 9-12)  
Course Weight: College Prep.

Semester  
2 ½ Credits

This course provides an introduction to technical drafting through the AutoDesk software. All basic AutoDesk commands will be covered, with an emphasis on ANSI conventions. Students will be introduced to Geometric Construction, Orthographic Projection and Isometrical drawing. Solid math and computer skills are helpful. Anyone planning to pursue a career in engineering, computer technology, drafting, architecture, design, or the medical field should consider this course. **This course counts toward the graduation requirement for Computer Literacy and Practical Arts.**

**CAD II** (Grades: 9 -12)  
Course Weight: College Prep.  
Prerequisite: Successful completion of Introduction to CAD

Semester  
2 ½ Credits

This course will further the student's knowledge of various types of drafting and AutoDesk basics. Areas in pictorial drawing, sectioning, developments and intersections, auxiliary views, design and AutoDesk blocks will be presented. Oral presentations will be given on selected projects. Any students planning to pursue a career in engineering, computer technology, drafting, architecture, or the medical field should consider this course. **This course counts toward the graduation requirement for Computer Literacy and Practical Arts.**

**CAD III** (Grades: 10-12)  
Course Weight: College Prep.  
Prerequisite: Successful completion of CAD II

Semester  
2 ½ Credits

This course is designed to develop the student's power of visualization, their understanding of various theories of projection, scale, and the more intricate commands of the AutoDesk software. Students will produce working drawings of machine parts, design an office complex, add attributes to blocks and extract to a spreadsheet, work in teams producing a cross reference drawing, and present a slide show of their work by writing a basic script program. Anyone planning to pursue a career in engineering, computer technology, drafting, architecture, design, or the medical field should consider this course. **This course counts toward the graduation requirement for Computer Literacy and Practical Arts.**

**CAD IV Honors** (Grade: 10-12)  
Course Weight: Honors  
Prerequisite: Successful completion of CAD III

Semester  
2 ½ Credits

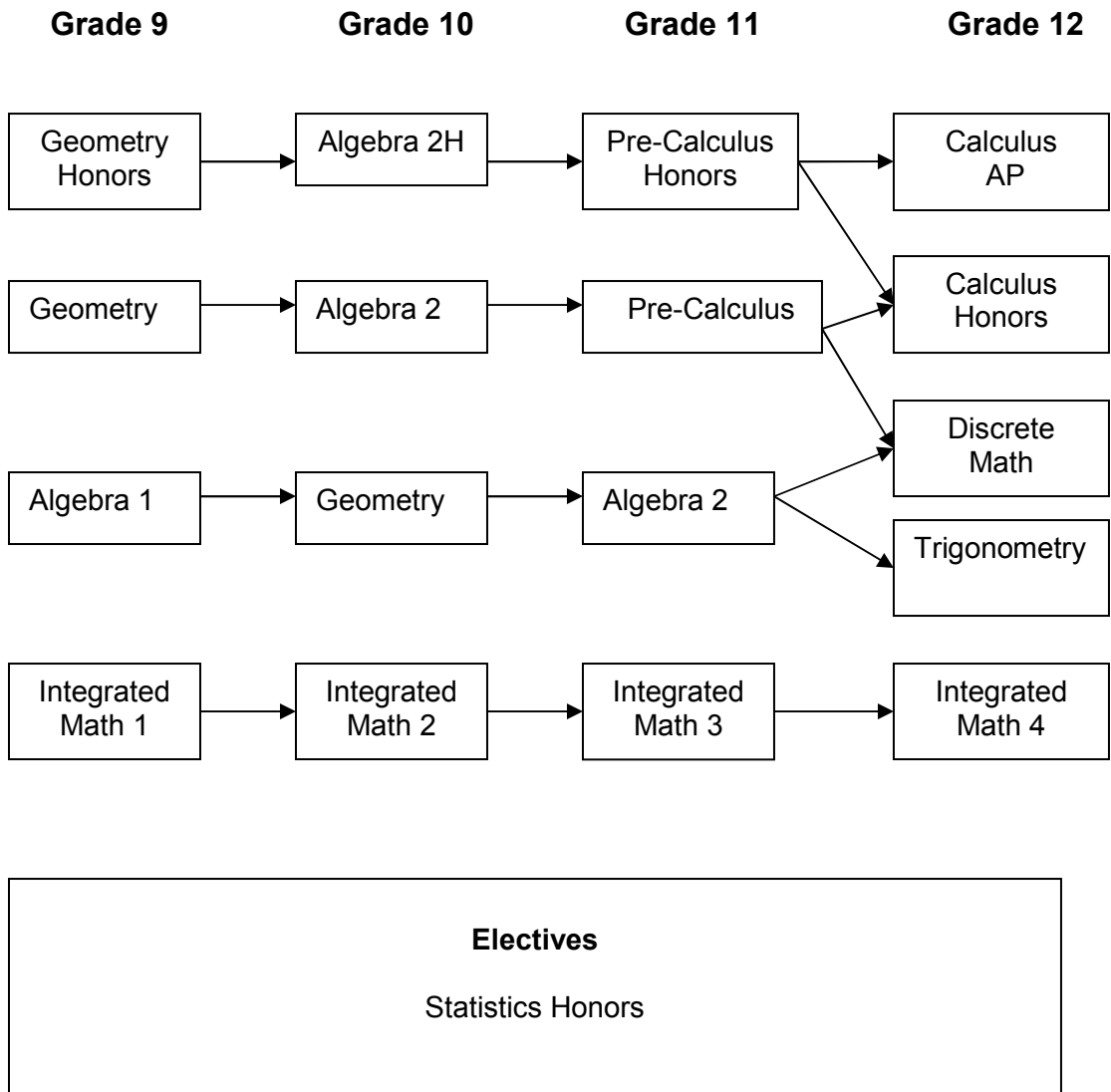
This challenging course deals primarily with 3-dimensional drawing using the AutoDesk software. Three dimensional solids, primitives, regions, and wireframe objects will be produced. Areas of rendering, shading, lighting, and assigning surface materials will be incorporated into various design objects. Oral presentations will be given at the completion of selected design solutions. Any student interested in industrial design or engineering should consider this course. **This course counts toward the graduation requirement for Computer Literacy and Practical Arts.**

**Introduction to Technology/Engineering** (Grade: 10-12)  
Course Weight: College Prep

Semester  
2.5 Credits

In this course students will develop an understanding of the nature and impact of technology, engineering, technological design and the design world as they relate to the individual, society and the environment. Students will analyze and evaluate design options, then apply the design process to solve problems. Students will be directly involved in discovering creative design solutions through cooperative problem-solving activities. **This course counts toward the graduation requirement for Computer Literacy and Practical Arts.**

# MATHEMATICS DEPARTMENT COURSE SEQUENCE



## MATHEMATICS

The Mathematics Department provides all students with courses through all high school grades that are designed to reinforce basic computational operations, introduce central mathematical concepts, and refine mathematical reasoning and problem solving skills. The following proficiencies developed by the department reflect these three focuses:

- To demonstrate accuracy and facility in performing fundamental mathematical operations.
- To analyze and solve problems of varying types and degrees of difficulty.
- To develop an understanding of the nature and structure of mathematics that enables the student to apply principles and concepts in new contexts.

All students must successfully complete four years of mathematics to be eligible for graduation. The department, therefore, offers multiple levels of study in the discipline and encourages students to select the appropriate level for their learning each year. The department recommends that students planning to major in mathematics, the sciences or engineering in college complete a rigorous four year sequence and select electives in computer programming.

### INTEGRATED MATHEMATICS SEQUENCE

The Integrated Mathematics sequence is designed for the student who is unable to complete a regular college prep level Algebra I course and for students who scored partially proficient on the GEPA. Integrated Mathematics is a four year sequence covering the same concepts and skills found in the Algebra 1, Geometry and Algebra 2 sequence. Throughout this sequence, students make connections between these topics as well as making cross-curricular and real-life connections. Most colleges recognize the Integrated Mathematics sequence as the equivalent of Algebra 1, Geometry and Algebra 2.

**Integrated Mathematics I** (Grade: 9)  
Course Weight: College Prep

Full Year  
5 Credits

This course is designed for ninth graders who do not take Algebra I and have been found to be partially proficient on the GEPA. Its content consists of an Integrated Mathematics approach centered on Algebra 1 and Geometry topics. The four major content clusters of the New Jersey Core Curriculum Content Standards in Mathematics (Number and Numerical Operations; Geometry and Measurement; Data Analysis, Probability, and Discrete Mathematics; and Patterns and Algebra) are also incorporated.

**Integrated Mathematics II** (Grades: 10 – 11)  
Course Weight: College Prep

Full Year  
5 Credits

Prerequisite: Successful completion of Integrated Math I or Algebra 1

This course is designed for tenth graders who have successfully completed Integrated Mathematics I. Students in this course continue to focus on the key concepts of Algebra 1 and Geometry with the integration of some Algebra 2 topics. The four cluster areas of the New Jersey Core Curriculum Content Standards in Mathematics are incorporated to help prepare students for a successful performance on the HSPA examination in the eleventh grade.

**Integrated Mathematics III** (Grades: 11 – 12) Full Year  
Course Weight: College Prep 5 Credits  
Prerequisite: Successful completion of Integrated Math II

This course is designed for eleventh grade students who have successfully completed Integrated Mathematics II. Extending the Integrated Mathematics approach, this course continues to give students the concepts needed to complete the typical Algebra 1, Geometry and Algebra 2 sequence along with a final preparation for the HSPA examination, which they are required to take in the spring semester of their junior year.

**Integrated Mathematics IV** (Grades: 12) Full Year  
Course Weight: College Prep 5 Credits  
Prerequisite: Successful completion of Integrated Math III

This course is designed for twelfth grade students who have successfully completed Integrated Mathematics III. Extending the Integrated Mathematics approach, the course gives students the remaining concepts needed to complete the typical Algebra 1, Geometry and Algebra 2 sequence. The course also incorporates real life math skills such as balancing a checkbook, calculating interest on loans, budgets etc.

### COLLEGE PREPARATORY MATH SEQUENCE

**Algebra 1** (Grade: 9) Full Year  
Course Weight: College Prep 5 Credits

The objectives of this course are to improve and increase the understanding and application of (1) the terminology of mathematics; (2) the symbolism of mathematics; and (3) the structure of mathematics. To meet these objectives, students study the following topics: sets, variables, equations, problem solving, directed numbers, polynomials, special products and factoring, fractions, graphs in the coordinate planes, systems of equations in two variables, the real number system and quadratic equations.

**Geometry Honors** (Grades: 9 – 10) Full Year  
Course Weight: Honors 5 Credits  
Prerequisite: Successful completion of Algebra I with a “B” or better.

Honors Geometry is offered to those students who have demonstrated ability, curiosity, and perseverance during their study of Algebra I. This course parallels the course in Geometry but explores the various topics in greater depth and requires more rigorous thinking by the students.

**Geometry** (Grades: 9 – 11) Full Year  
Course Weight: College Prep 5 Credits  
Prerequisite: Successful completion of Algebra I with a “C” or better.

This course covers the basic fields of plane, solid and coordinate geometry. The first part of the year introduces fundamental definitions, properties, and procedures used in analyzing and solving problems deductively rather than just by induction. In addition, an appreciation of the necessity for logical thinking and orderly methods of solving problems is developed. As the year progresses, more and more algebra is brought into the course. Students find with increasing frequency that they apply the principles developed during the year. Finally, the correlation of algebra and geometry is studied in the units on coordinate geometry. The interchange between the two courses is studied and the students develop the ability to change from one field to the other.

**Algebra 2 Honors** (Grades: 10 – 11) Full Year  
Course Weight: Honors 5 Credits  
Prerequisite: Successful completion of Algebra I and Geometry Honors or Geometry with a “B” or better.

In general, this course is comparable to Algebra 2 but offers a greater depth of study and a planned enrichment of the course. During the year, students develop an understanding of algebra as a structure of the systems of real and complex numbers. The role of deductive reasoning in algebra and trigonometry is emphasized, while the concept of function and its importance in mathematics is gained. The idea of inverse functions is introduced with exponents and logarithms. If time permits, conic sections are explored graphically and algebraically, while circular functions, oblique triangles, and trigonometric equations are a part of the unit on trigonometry.

**Algebra 2A** (Grades: 10 – 12) Full Year  
Course Weight: College Prep 5 Credits  
Prerequisite: Successful completion of Algebra I and Geometry with a “C” or better.

Topics included in this course are: equations and inequalities, systems of linear equations, polynomials and factoring, rational numbers and expressions, relations and functions, irrational numbers and quadratic equations, quadratic relations and systems, exponential functions and logarithms, trigonometric functions and complex numbers, progressions, binomial expansions, and polynomial functions. Students are helped to understand algebra as a study of the structure of real and complex numbers and to recognize the techniques of algebra and trigonometry as reflections of this structure.

**Algebra 2B** (Grades: 11 – 12) Full Year  
Course Weight: Academic 5 Credits  
Prerequisite: Successful completion of Algebra 1 and Geometry

The objectives and content of this course are the same as those of Algebra 2A. The curriculum is less rigorous than Algebra 2A and is designed for the student who has some difficulties mastering mathematical concepts and skills.

**Pre-Calculus Honors** (Grades: 11 – 12) Full Year  
Course Weight: Honors 5 Credits  
Prerequisite: Successful completion of Algebra 2 Honors or Algebra 2A with a “B” or better.

This course is essentially one in elementary analysis and undertakes the study of functions with an emphasis on mathematical proof and mathematical structure. It is preparatory to a college level course in Calculus. Similar to Pre-Calculus, this course places greater emphasis on analysis and proof. All topics studied are covered in more depth than they are in Pre-Calculus. Topics covered include: basic logic, properties of real numbers, mathematical induction, vectors, complex numbers, polynomial functions, concept of a limit, exponential and logarithmic functions, circular functions and trigonometric analysis. Use of a graphics calculator is an essential feature of this course.

**Pre-Calculus** (Grades: 11 – 12) Full Year  
Course Weight: College Prep 5 Credits  
Prerequisite: Successful completion of Algebra 2 Honors or Algebra 2A with a “C” or better.

This course is offered to those who have successfully completed a course in Algebra 2 or Algebra 2 Honors and wish to continue the sequence of mathematics studies. The course is essentially one in elementary analysis and concerns itself with the further study of the trigonometric functions, the exponential function, the logarithmic function, analytic geometry, and topics in advanced algebra. Students who complete this course with some degree of success should be prepared for a college level course in calculus. Use of a graphics calculator is an essential feature of this course.

**Trigonometry and Solid Geometry** (Grades: 11-12)  
Course Weight: College Prep  
Prerequisite: Successful completion of Algebra 2A or Algebra 2B

Full Year  
5 Credits

This course is designed for seniors who have completed Algebra 2A or Algebra 2B and who do not plan to study Calculus as college freshmen. Students develop the concepts and skills necessary for further mathematics courses through the study of right triangle trigonometry, trigonometric identities, graphs of trigonometric functions, and the determination of the volumes and surface areas of geometric solids. Use of a scientific calculator is an essential feature of this course.

**Discrete Math** (Grade: 12)  
Course Weight: College Prep  
Prerequisite: Successful completion of Algebra 2A or Algebra 2B

Full Year  
5 Credits

This course is designed for seniors who have completed Algebra 2A or Algebra 2B and who do not plan to study Calculus as college freshmen. Students develop their mathematical understanding through the study of selected topics from probability, statistics and matrices. Use of a scientific calculator will be an essential feature of this course.

**Statistics Honors** (Grade: 11-12)  
Course Weight: Honors  
Prerequisite: successful completion of Pre-Calculus or Pre-Calculus Honors or a "B+" or better in Algebra 2 Honors with recommendation of the teacher.

Full Year  
5 Credits

The purpose of a course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The four broad topics covered are: exploring data; sampling and experimentation, including planning and conducting a study; anticipating patterns, including the exploration of random phenomena and probability; and statistical inference. The emphasis of the course is on developing statistical thinking by presenting data and concepts in application with less theory. The course incorporates the graphing calculator and computer technology.

**Advanced Placement Calculus** (Grade: 12)  
Course Weight: Advanced Placement  
Prerequisite: Successful completion of Pre-Calculus Honors or Pre-Calculus with a "B" or better.

Full Year  
5 Credits

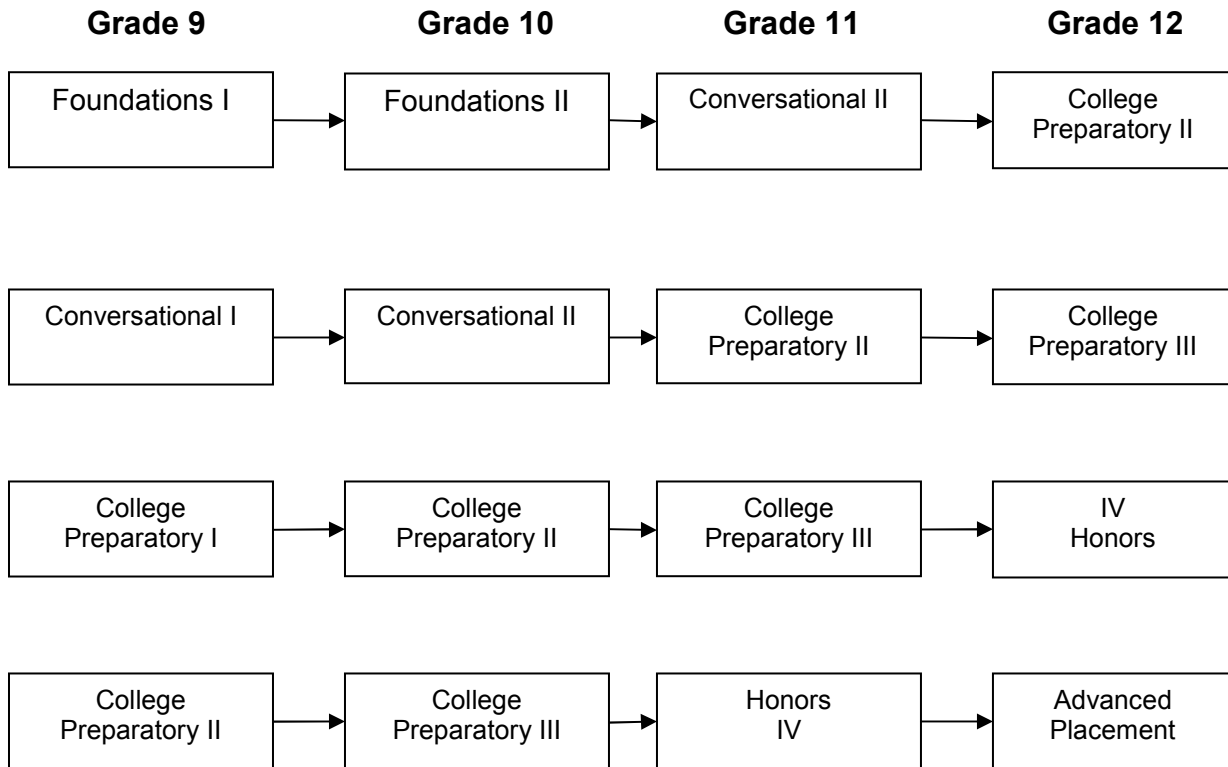
This course is offered to those who successfully complete Pre-Calculus and are recommended for further study. This course concerns itself with the material of the calculus of functions of one independent variable and with plane analytic geometry. The program is, in fact, a college level course. **Students enrolled in this class are expected to take the Advanced Placement Exam.**

**Calculus Honors** (Grade: 12)  
Course Weight: Honors  
Prerequisite: Successful completion of Pre-Calculus Honors or Pre-Calculus with a "C" or better.

Full Year  
5 Credits

This course is an advanced mathematics course for the college bound student. Topics covered will include function theory, differential and integral calculus and applications of these procedures. This course is an excellent preparation for Calculus in college and in many future careers without the pressure of preparing for the Advanced Placement Exam.

## MODERN LANGUAGE DEPARTMENT COURSE SEQUENCE



## MODERN LANGUAGES

Lenape Valley Regional High School offers sequential study in three modern languages: French, German, and Spanish. All courses concentrate on the development of listening, speaking, reading, and writing skills in order to develop functional communication in the target language. Using a variety of techniques, the Modern Language Department helps students enrolled in these classes achieve the following proficiencies:

- The development of listening comprehension and oral fluency in the selected language.
- The mastery of the grammatical foundation and syntax of the language studied.
- The heightened awareness of the culture and history of the nation or nations in which the selected language is spoken.

**Two years of study in a particular language are required for graduation;** students who anticipate attending college should pursue a minimum of three years of continuous study of the same language. More competitive colleges may require a four or five year sequence in one language.

**Level I** (Grades: 9 -12) Full Year  
Course Weight: College Prep 5 Credits

Learning a language for the first time should be a rewarding experience. Geared for those students who plan to attend college, the Level I class is the first part of a four-year program which encompasses all the elements necessary to master a second language. Students have various opportunities to speak as often as possible. The course has been planned to develop all the basic fluencies: speaking, writing, reading, and comprehension of the spoken word. An important theme throughout first year studies is the exposure to the basic culture of the countries speaking the respective languages. Also, regular practice in the language laboratory enables students to use the latest technology in the learning of a second language.

**Level I Conversational** (Grades: 9 - 12) Full Year  
Course Weight: Academic 5 Credits

As part of a two-year course of study that fulfills the minimum requirements for graduation, Level I Conversational is designed for students who are looking to acquire practical language skills that can be applied to day-to-day situations in the workplace. As part of this class, regular practice in the language laboratory enables students to use the latest technology in the learning of a second language. **(Language offerings at this level are determined by course enrollment).**

**Level II** (Grades: 9 - 12) Full Year  
Course Weight: College Prep 5 Credits  
Prerequisite: Successful completion of Level I.

Level II College Prep has been designed for those students who desire to build a strong background in order to earn entrance into a college undergraduate program. Students in this course are offered the opportunity to extend their learning of the target language. After a review of the basic structures acquired during the Level I CP studies, students will: expand their learning of the spoken word, refine their pronunciation, be challenged with selected readings designed to expand working vocabulary, hone writing skills, and increase their knowledge of the culture of their respective language.

**Level II Conversational** (Grades: 9 - 12)  
Course Weight: Academic  
Prerequisite: Successful completion of Level I.

Full Year  
5 Credits

The second part of a two-year course of study that fulfills the minimum requirements for graduation, Level II Conversational continues to develop the student's practical language skills, focusing on useful applications from situations that can arise in the public arena. As part of this class, regular practice in the language laboratory enables students to use the latest technology in the learning of a second language.

**Level III** (Grades: 10-12)  
Course Weight: College Prep  
Prerequisite: Successful completion of Level II College Preparatory.

Full Year  
5 Credits

This course continues to develop students' fluencies and creative expressions learned in the first two years of language study. In this year, students have a chance to polish their pronunciation in an intensive atmosphere where classes will progressively begin to be taught almost exclusively in the target language. Regular work sessions in the language laboratory will give students the opportunity to listen to CD's and audiocassettes as well as record their own voices. As an integral part of the third year, students are introduced to some of the short readings and works of famous literary figures. Third year studies stress continued exposure to cultural elements through movies, videos, class trips, songs, guest speakers, etc.

**Level IV Honors** (Grades: 11 - 12)  
Course Weight: Honors  
Prerequisite: Successful completion of Level III.

Full Year  
5 Credits

The object of this class is to polish the pronunciation and spoken fluency of the students and is achieved through class discussions on up-to-date issues, debates, guest speakers, newspaper reading, and by exploring the ideas of the country's foremost writers. The language students at this level have an excellent opportunity to perfect their command of the language through phonetics and work in the language laboratory. The lab allows the students to progress at their own pace by listening to comprehensive tapes, records, and by recording their own voice. The students have continued cultural exposure through movies, videos, class excursions, etc.

**Advanced Placement** (Grade 12)  
Weight: Advanced Placement  
Prerequisite: Successful completion of Level IV.

Full Year  
5 Credits

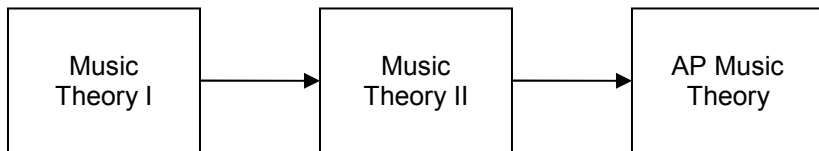
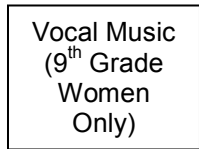
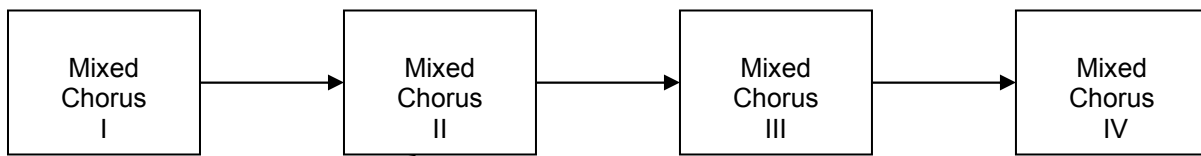
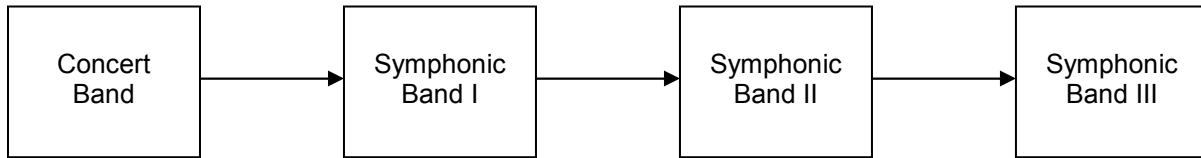
This class is open to students who desire a serious and challenging study of language; this course is designed to prepare participants for the Advanced Placement Examination in the target language. Following the syllabus provided by the Advanced Placement testing service, students refine their reading, writing, speaking and listening skills; they are expected to use the target language to discuss and analyze contemporary issues and literature. **Students enrolled in the course are expected to take the Advanced Placement Examination.**

## FOUNDATIONS STUDIES

The Foundations of Language Sequence provides students with the opportunity to study the regular first level of a language over a two-year period. *Students will be admitted to this sequence only with the approval of the Child Study Team.* Students must successfully complete Foundations of Language I and II to satisfy the graduation requirement in World Languages.

Students who successfully complete the two-year Foundations sequence will be prepared to continue their study of that language by enrolling in the regular second year of their language or by beginning another language at the first level.

# MUSIC DEPARTMENT COURSE SEQUENCE



**OTHER ELECTIVES**

Popular Music  
Musical Theater I  
Music in Film

## MUSIC

The study of music at the secondary level is designed to develop students' musical perception, performance skills, and aesthetic awareness. Through classes in applied musical performance, music theory and composition, and music appreciation, the Humanities Department seeks to develop the following proficiencies for all students enrolled in music courses:

- The development of appropriate techniques necessary for successful musical performance (both instrument and vocal).
- The continued development of musical knowledge with regard to the elements of music (pitch, rhythm, harmony, melody, dynamics, etc.).
- The development of both an intellectual and an aesthetic awareness that should lead to a greater appreciation of music as an art form.

All students are reminded that five credits of Visual and Performing Arts classes are required for graduation. Students who are considering music as a major or minor in college should plan to include, if possible, both instrumental and vocal performance classes as well as the study of music theory and composition in their high school programs.

**Popular Music** (Grades: 9-12)  
Course Weight: College Prep

Semester  
2 ½ Credits

This music appreciation course is designed to survey the influence of music on American culture and the world from the 1950's to the present day and is designed for a wide range of students from the music enthusiast to the practicing musician. With this in mind, students will explore the wide variety of music and musicians from their classical roots to present day rock and its relatives. Students will also explore the relationship between music and culture, including significant historical events and conflicts. Through the viewing of and participation in concert events of varied styles, students will further understand the contributions of bands and artists to the culture. Students will engage in the analysis, performance, practice and critique of groups, artists and musical pieces through the use of research, critical thinking, objective opinions, and discussion. **This course counts towards the graduation requirement for Visual and Performing Arts.**

**Concert Band** (Grade: 9)  
Course Weight: College Prep

Full Year  
5 Credits

This course is only open to 9<sup>th</sup> graders who wish to continue the study of a musical instrument in a traditional Symphonic and Marching Band setting. A traditional Symphonic Band setting includes woodwind, brass, and percussion instruments only (no stringed instruments). All 9<sup>th</sup> grade students must also participate in at least one year of Marching Band. Students must have at least one year of prior instrumental study. Students receive instruction in the psychomotor and interpretive skills necessary to play a musical instrument. Small group lessons, sectional rehearsals and full ensemble instruction are all included in this course. Course requirements include attendance at lessons, rehearsals, and band performances throughout the year. **This course counts towards the graduation requirement for Visual and Performing Arts.**

**Symphonic Band I, II, III** (Grades: 10 – 12)  
Course Weight: College Prep\*

Full Year  
5 Credits

This course is open to all students who wish to continue the study of a musical instrument in a traditional Symphonic Band ensemble setting. A traditional Symphonic Band ensemble setting includes woodwind, brass, and percussion instruments only (no stringed instruments). Students must have at least two years of prior instrumental study. Students receive instruction in the psychomotor and interpretative skills necessary to play a musical instrument. Small group lessons, sectional rehearsals, and full ensemble instruction are all included in this course. Course requirements include attendance at lessons, rehearsals and band performances throughout the year. **This course counts toward the graduation requirement for Visual and Performing Arts. \*Students who participate for 4 years will receive Honors weight for the 4<sup>th</sup> year of participation only. Honors Band students are required to either: 1) audition and participate in an after school ensemble or honors band; 2) study band conducting with the teacher and act as a student conductor during class time; Or 3) complete a written assignment mutually agreed upon by the teacher and student. These requirements must be fulfilled all four marking periods to receive Honors weight for the course.**

**Mixed Chorus I, II, III, IV** (Grades: 9 – 12)  
Course Weight: College Prep\*

Full Year  
5 Credits

Students who join this course are taught how to sing. They learn how to produce a good tone, sing in accurate pitch, hold a harmony part and read music. Good musicianship is developed through exposure to many different styles of vocal music. Course requirements include participation in both the winter and spring concerts. Grade is primarily based on daily participation. **This course counts towards the graduation requirement for Visual and Performing Arts. \*Students who participate for 4 years will receive Honors weight for the 4<sup>th</sup> year of participation only. Honors Chorus students are required to either: 1) audition and participate in an after school choir; 2) study choral conducting with the teacher and act as a student conductor during class time; or 3) complete a written assignment mutually agreed upon by the teacher and student. These requirements must be fulfilled all four marking periods to receive Honors weight for the course.**

**Women's Vocal Workshop** (Grade: 9 - Women Only)  
Course Weight: College Prep

Full Year  
5 Credits

Students who join this course are taught how to sing as well as read music. They learn how to produce a good tone, sing in accurate pitch, hold a harmony part and sight read using solfege. Good musicianship is developed through exposure to many different styles of vocal music. Course requirements include attendance at lessons, rehearsals, and participation in the Winter, All-Schools, and Spring concerts. Grade is based on daily participation as well as written and singing tests. **This course counts towards the graduation requirement for Visual and Performing Arts.**

**Mixed Chorus I, II, III, IV**  
Course Weight: College Prep

Full Year  
5 Credits

Students who take this course are taught how to sing as well as read music. They learn how to produce a good tone, sing with accurate pitch, and hold a harmony part. Good musicianship is developed through exposure to many different styles vocal music. Course requirements include attendance at lessons, rehearsals, and participation in both the winter and spring concerts. Grades are based on daily participation and written music theory and/or singing tests. **This course counts towards the graduation requirement for Visual and Performing Arts. \*Students who participate for 4 years will receive Honors Weight for the 4<sup>th</sup> year of participation only.**

**Music Theory I: Introduction to Tonal Harmony** (Grades: 9-12) Semester  
Course Weight: College Prep 2.5 Credits  
Prerequisite: One year of musical instruction.

Students in this course study the basic principles of harmonic analysis as evidenced in the Western Art ("Classical") Music of the Tonal period (1600 - 1900). Instruction focuses on composition and listening skills. **This course meets the requirements for Computer Literacy and Visual and Performing Arts.**

**Music Theory II: Harmony and Composition** (Grades: 10-12) Semester  
Course Weight: College Prep 2.5 Credits  
Prerequisite: Successful completion of Music Theory I

This course builds upon the material covered in Music Theory I and delves more deeply into the study of Western Art ("Classical") Music. More advanced composition, listening and analytic skills form the center of instruction. Students who complete this level of music theory will have the equivalent skills of one year of college music theory training. **This course counts towards the graduation requirement for Visual and Performing Arts.**

**Advanced Placement Music Theory:** Full Year  
**Advanced Harmony and Composition** (Grades: 11-12) 5 Credits  
Course Weight: Advanced Placement

This course is an advanced placement course as offered by the College Board. This class focuses on the analysis of compositional techniques used in the late nineteenth and early twentieth centuries. It builds upon the material learned in Music Theory II. Each student is required to complete a major composition using the music notation software. **Students enrolled in this course are expected to take the Advanced Placement Examination. This course meets the requirements for both Computer Literacy and Visual and Performing Arts.**

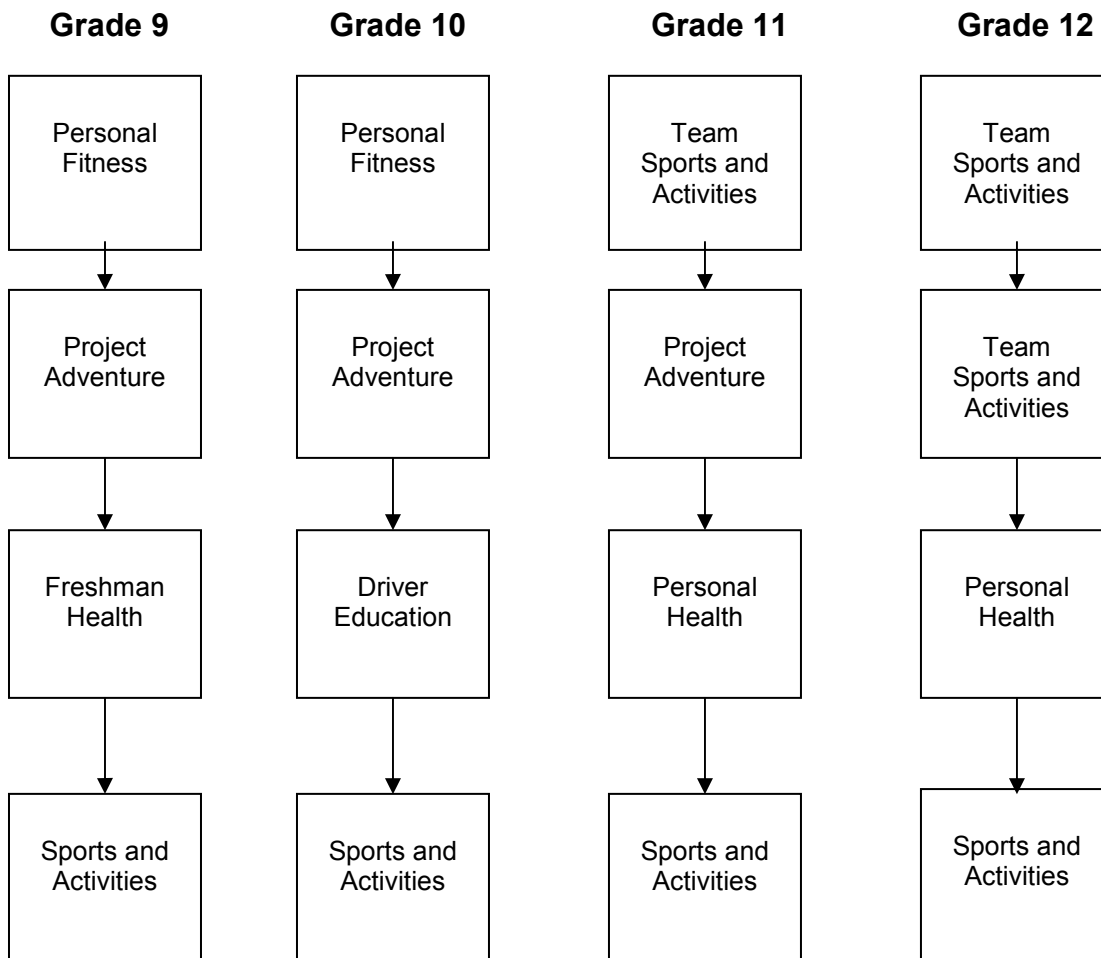
**Musical Theater I** (Grade: 9-12) Semester  
Course Weight: College Prep 2.5 Credits

This course is a broad overview of the history, styles, works, and artists of the musical theater genre. Students will begin to develop their skills as a triple threat through singing, acting and dancing. Through their study of this genre, students will rehearse and perform portions for musicals as solos, duets, and ensemble pieces. Students are required to have appropriate footwear for dance. **This course counts towards the graduation requirement for Visual and Performing Arts.**

**Music in Film** (Grade: 9-12) Semester  
Course Weight: Academic 2.5 Credits

Students who join this class will learn about music in motion pictures. It is hoped that students will gain an appreciation for the music found in film as well as the composers who write the music. In addition to studying the film music process and history, much time is spent listening to film scores as well as watching motion pictures. **This course counts towards the graduation requirement for Visual and Performing Arts.**

# PHYSICAL EDUCATION DEPARTMENT COURSE SEQUENCE



**ELECTIVE**  
Principles of Athletic Coaching

## PHYSICAL EDUCATION AND HEALTH

Instruction in Physical Education and Health and Safety Education focuses upon personal wellness as its organizing theme. The Physical Education instruction includes knowledge of the principles and practices of physical fitness, skill development in individual and team sports, planning of lifetime leisure and recreational participation, and development of kinesthetic problem solving strategies. The primary goal of the Health and Safety Education classes is to allow students to gain knowledge and develop positive attitudes and habits of sound decision making about matters related to personal or community health needs. Accordingly, the Physical Education Department has established the following proficiencies to be developed for all students:

- To acquire knowledge of rules and strategies of various team and individual sports that can be used in present and future leisure time pursuits.
- To develop and practice positive habits and attitudes that contribute to one's social competency in the areas of cooperation, competition, and recognition of the fundamental worth of each individual including self.
- Through the study of Health, to gain and apply knowledge of good health practices, principles of first aid and nutrition, and enhanced awareness of adult responsibilities as an individual, within relationships, and as a member of a family.
- Through the study of Driver's Education, to demonstrate mastery of motor vehicle laws and proper driving attitudes and procedures.
- Through completion of the Fitness Program, to learn and apply the basic principles of fitness, to appreciate the role of fitness activities within a commitment to personal wellness, and to identify personal fitness goals and to implement routines for their attainment.

By state and local regulations, students are required to complete successfully one year of Physical Education and Health and Safety Education for each year of enrollment in high school. The required sequence of classes will also meet all state requirements for drug and alcohol education.

**Physical Education/Health I, II, III, IV** (Grades: 9 – 12)  
Course Weight: Academic

Full Year  
5 Credits

The Physical Education program blends core learning experiences in Project Adventure, fitness instruction for freshmen and sophomores, and aerobic and anaerobic exercise with a variety of elective choices in competitive, recreational, individual and group sports.

Project Adventure features various challenge courses designed to encourage personal growth, enhance cooperative problem solving and interpersonal communication skills, and foster self-esteem. With classroom and lab instruction in fitness, exercise, and weight training, Project Adventure completes the core program in wellness.

For a quarter of each year, students receive Health Education as part of the required department program. In ninth grade, health instruction trains students in first aid and cardiopulmonary resuscitation. As sophomores, students complete the theory portion of Driver's Education. In their junior and senior years, students examine topics in a two-year rotation related to family life issues, human reproduction and sexuality, care and healthful practices for the reproductive system, addictive patterns and behaviors, domestic and date violence, and death and dying.

As required by State law, drug and alcohol education is part of the program at all four grade levels. Similarly, Family Life Education is a comprehensive and sequential aspect of the Health program in grades 9, 11, and 12. Family Life Education includes:

- Instruction in the development and understanding of the implications of personal relationships in a physical, mental, social, economic, emotional, and psychological environment.
- Knowledge of the psychological and cultural foundations of human development, sexuality, and reproduction, and of the stages of human growth.
- Encouragement to develop responsible personal behavior, to strengthen their own family life now, and to establish strong family lives for themselves in the future.

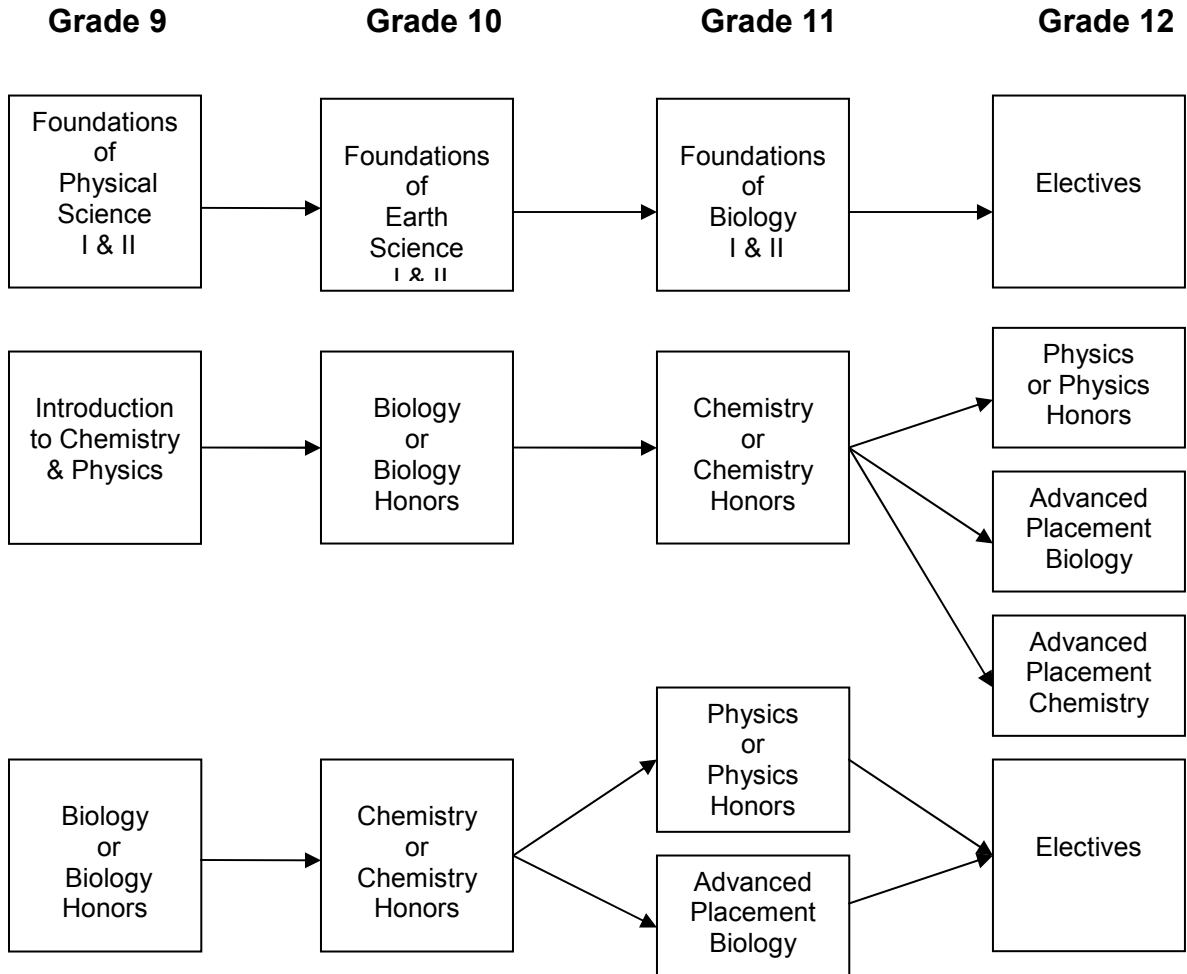
### **ELECTIVE**

**Principles of Athletic Coaching** (Grade: 12)  
Course Weight: Academic

Semester  
2 ½ Credits

This course is offered to those students with an interest in the area of coaching. Emphasis is on the role of the coach and the various responsibilities of coaching such as: practice organization, coach-player relationship, overall philosophy and various other areas essential for becoming a successful coach.

# SCIENCE DEPARTMENT COURSE SEQUENCE



- ELECTIVES**

  - Anatomy and Physiology
  - Bioethics
  - Earth Science
  - Environmental Science
  - Forensic Science
  - Introduction to Planetarium
  - Planets and Moons
  - Stellar Astronomy

## SCIENCE

The Science Department offers a core four-year sequence of study that includes Introduction to Chemistry and Physics, as well as college preparatory and honors level courses in Biology, Chemistry, and Physics. This program is supplemented by courses in Advanced Placement Biology, Advanced Placement Chemistry, Anatomy and Physiology, and a variety of additional electives. Courses are provided at various levels to address the differences in student ability, interest, and preparation. Instruction aims to help students develop an understanding of the nature of science, analyze the implications of scientific knowledge for the citizen as well as for the researcher, and refine the skills of hypothesis stating and testing that are central to scientific methods. The department includes the following proficiencies for all students enrolled in science courses:

- To develop the skills of textbook and laboratory problem solving and the skills of working cooperatively with others toward the solving of these problems.
- To acquire knowledge of current theories and scientific research as well as comprehension of the language of the sciences.
- To demonstrate an understanding of the complex interdependence of all aspects of the physical and biological world and the relationship of humans to those systems.

While graduation requirements specify that students must successfully complete three years (15 credits) of science, college admissions standards often include additional study and specific laboratory requirements. Students planning to major in one of the sciences or engineering are urged to pursue a rigorous four-year sequence that includes courses which offer extensive laboratory experiences.

**Foundations of Physical Science I** (Grade: 9)  
Course Weight: Academic

Semester  
2 ½ Credits

In this course, students receive an introduction to the nature of matter, which makes up everything in the universe. General properties of matter, such as mass, weight, volume, and density are explored. In addition, students receive an introduction to the physical forces that affect animate and inanimate matter. Students will also consider such topics as gravity, air resistance, and the difference between weight and mass.

**Foundations of Physical Science II** (Grade: 9)  
Course Weight: Academic

Semester  
2 ½ Credits

In this course, students are introduced to the forces that affect matter. They explore the phenomena of electricity and magnetism, defining each force and identifying its physical properties. Through the study of sound and light, students gain an understanding of the characteristics of sound and light waves, as well as the electromagnetic spectrum.

**Foundations of Earth Science I** (Grade: 10)  
Course Weight: Academic

Semester  
2 ½ Credits

This course offers students the chance to discover the magnificent forces that cause the earth to be in a constant state of change. Topics to be covered include faulting and folding, volcanoes, and earthquakes. The study of ecology focuses on energy options for today and tomorrow, including combustion and fossil fuels, solar, wind and water energy, and nuclear fission and fusion.

**Foundations of Earth Science II** (Grade: 10)  
Course Weight: Academic

Semester  
2 ½ Credits

In this course, students are introduced to the formation of the universe and the galaxies and stars it contains. Closer to home, they study our solar system and the relationship among Earth, the sun, and the moon. Students gain an understanding of the natural forces of our atmosphere through the examination of weather and climate. Topics to be covered include the atmosphere, weather factors and patterns, climate and climate change.

**Foundations of Biology I** (Grade: 11)  
Course Weight: Academic

Semester  
2 ½ Credits

This course takes students through the five-kingdom biological system of classification and its evolutionary basis. Some of the topics addressed are virus, fungi, plants, the characteristics of the animal phyla, and the evolutionary relationships among the phyla. Students examine such organisms as sponges, corals, worms, and the vertebrates.

**Foundations of Biology II** (Grade: 11)  
Course Weight: Academic

Semester  
2 ½ Credits

Students begin their exploration of the incredible human machine by discovering how the body's activities work together to maintain a stable internal environment. After gaining an understanding of the levels of organization in living organisms, students explore individual systems in more depth. In the heredity unit, students trace the history of genetics to its modern understanding of genes and chromosomes. Some topics covered include genetic crosses, Punnett Squares, mutations, sex-linked traits, and human genetic disorders.

**Introduction to Chemistry and Physics** (Grade: 9)  
Course Weight: College Prep

Full Year  
5 Credits

This course is the initial offering for students enrolling in the college prep science program and is designed to build on the concepts that guide inquiry in the practice of science begun in earlier grades. It will provide the rich knowledge base to provide the foundation for the continued study of science. Investigations will be approached in a qualitative manner in keeping with the mathematical skills of the students. The following topics from both chemistry and physics will be integrated into the curriculum: structure of atoms; properties of matter; motion and forces; conservation of energy, matter and charge.

**Biology** (Grade: 9-10)  
Course Weight: College Prep

Full Year  
6 Credits

Prerequisite: Successful completion of Introduction to Chemistry and Physics with a grade of "C" or higher. Students may also enroll who have completed Foundations of Physical Science with a grade of "A-" or higher

Biology is the study of life. The basic concepts of life will be followed through the several levels of organization from cell structure to organism, community and biosphere. An important aspect of the course will deal with how the organism maintains itself within the environment. Laboratory experiences are designed to develop scientific attitudes toward problem solving.

**Biology Honors** (Grade: 9-10)

Course Weight: Honors

Prerequisite: Algebra I and Recommendation of 8<sup>th</sup> grade science teacher for 9<sup>th</sup> graders or successful completion of Introduction to Chemistry and Physics with a “B+” average or higher.

Full Year

6 Credits

Biology Honors is an in-depth study of cells, biochemistry and metabolism, molecular and classical genetics, the human systems, evolution, and ecology. It is designed for high-ability, highly motivated students. Students will study a variety of topics including: scientific method, structures and functions of cell types and viruses, growth and development of organisms, cells, tissues and organs, nucleic acids and genetics, biological evolution, taxonomy, metabolism and energy transfers in living organisms, living systems, homeostasis, ecosystems and plants. Honors Biology closely parallels the biology course but covers the various topics with greater depth and levels of understanding. Laboratory experiences examine topics in greater depth and require extensive independent planning on the part of the student.

**Advanced Placement Biology** (Grades: 11 – 12)

Course Weight: Advanced Placement

Prerequisites: Successful completion of Biology Honors and Chemistry Honors with a combined average of “B” or higher or a combined “A” average in any other combination of Biology or Biology Honors and Chemistry, Chemistry Honors, or AP Chemistry.

Full Year

6 Credits

This class is designed to be an equivalent of a college introductory biology course taken by science majors and offers intensive study of the following areas encompassing the seven themes of biology identified by The College Board: evolution, cellular basis of life, matter and energy flow, molecular biology, genetic basis of life, population genetics, behavior, homeostasis and negative feedback controls and the variables that shape populations in ecological and evolutionary time. This course is significantly more rigorous than the first school course in biology with respect to textbook use, range and depth of topics covered, laboratory experiences required, and the time and effort expected of students. **All students enrolled in this course are expected to take the Advanced Placement Examination.**

**Chemistry** (Grades: 10 – 12)

Course Weight: College Prep

Prerequisite: Grade of “C” or Higher in Biology or a Grade of A- or higher in Foundations of Biology. Students must be enrolled in or have successfully completed Algebra 2.

Full Year

6 Credits

Students develop a firm understanding of chemical principles with preparation for further scientific work. Concepts concerning matter and its changes are covered through extensive laboratory investigations. Mathematics serves as a tool to examine changes in the laboratory and to explore topics in class work.

**Chemistry Honors** (Grades: 10 – 11)

Course Weight: Honors

Prerequisite: Successful completion of Biology Honors with a “B” or higher or Biology with a grade of “B+” or higher. Students must be enrolled in or have successfully completed Algebra 2.

Full Year

6 Credits

The general topic areas are similar to those found within the chemistry course, but they are covered in far greater depth. Students will apply mathematics to chemical problem solving at a higher level than in regular chemistry. Chemistry Honors students will be expected to perform “open-ended” labs where they discover their own procedures and develop their ability to design experiments to reach specific scientific goals. The use of graphing calculators will be incorporated into class work and lab work. Formal laboratory report writing will be emphasized and technical writing and communication skills will be a major focus of laboratory assessment. Students who are planning a career in science should take this course to enhance their creative problem solving skills and their higher order thinking skills.

**Advanced Placement Chemistry** (Grades: 11-12) Full Year  
Course Weight: Advanced Placement 7 Credits  
Prerequisite: Successful completion of Chemistry Honors, Algebra 2 Honors, and Biology CP, Biology Honors or AP Biology with a combined average of "B" or higher and recommendations of the Subject Area Supervisor

Advanced Placement Chemistry meets the objectives, and is designed to be the equivalent of, the general chemistry course usually taken during the first year of college. This course is recommended for highly motivated students who have demonstrated exceptional ability in both math and science. Emphasis is on concept development and the extensive utilization of the laboratory for experimentation, knowledge acquisition, and development of critical thinking skills. **All students enrolled in this course are expected to take the Advanced Placement Examination.**

**Physics** (Grades: 11 – 12) Full Year  
Course Weight: College Prep 6 Credits  
Prerequisite: Successful completion of Biology and Chemistry. Students must be concurrently enrolled in Trigonometry or have the approval of the Subject Area Supervisor.

Physics deals with matter and energy and their transformations. This course develops the principles which govern our physical world, including classical mechanics, conservation laws, electricity and magnetism, light and waves. Mathematics is involved in making full use of these principles. This course should be taken by any student interested in pursuing a career in the sciences, mathematics or the allied health fields.

**Physics Honors** (Grades: 11 – 12) Full Year  
Course Weight: Honors 6 Credits  
Prerequisite: Successful completion of AP Chemistry or Chemistry Honors with a grade of "B" or higher, or Chemistry CP with a grade of "A" or higher. Students must be concurrently enrollment in Precalculus or Precalculus Honors or have the approval of the Subject Area Supervisor.

The topics in Physics Honors are similar to those in regular Physics; however, this course examines them in greater depth. Laboratory activities are designed to assist students in developing the concepts and skills required to study topics such as mechanics, optics, and acoustics. This course is recommended for students who are interested in pursuing a career in the sciences, mathematics, engineering, or medicine.

**Anatomy and Physiology Honors** (Grades: 11 – 12) Full Year  
Course Weight: Honors 5 Credits  
Prerequisite: Successful completion of a course in biology, chemistry **AND** Algebra I.

This course deals with the anatomy and physiology of the human organ systems. Study will concentrate on the functioning at the cellular and tissue levels, but occasionally at the molecular level involving biochemical mechanisms and interactions. Laboratory experiences involve fetal pig or cat dissection with emphasis on the correlation with human structures. This is a recommended elective for students interested in careers in biology, medicine and nursing.

**Introduction to the Planetarium** (Grades: 10 – 12) Semester  
Course Weight: Academic 2 ½ Credits  
Prerequisite: Successful completion of at least one year of science.

This course is designed to familiarize the student with the planetarium facility and with events occurring in the sky which can be observed with the unaided eye. Topics to be studied include constellations, the motions and positions of the sun, moon, planets, and stars, phases of the moon, solar and lunar eclipses, and changes in the sky which occur over long periods of time. The Spitz planetarium instrument will be used extensively in this course.

**Stellar Astronomy** (Grades: 10 – 12) Semester  
Course Weight: College prep 2 ½ Credits  
Prerequisites: Successful completion of Introduction to Chemistry and Physics with a grade of “C” or higher and Algebra I.

The purpose of this course is to provide students with the opportunity to understand better the complex interrelationships within the universe. The origin and evolution of the universe as a whole will be discussed as well as its individual galaxies. Considerable time will be spent studying the stellar populations of our own Milky Way Galaxy and will include the investigation of stellar and galactic evolution, classification, magnitude, and distance. An examination of the possibility of interstellar travel and the existence of extraterrestrial life forms will be included.

**Planets and Moons** (Grades: 11-12) Semester  
Course Weight: Academic 2 ½ Credits  
Prerequisite: Successful completion of at least one year of science.

The fastest growing body of knowledge in modern astronomy deals with the Solar System. Robotic explorers have been roving the surface of Mars since 2004, while orbiting spacecraft have been probing its surface from high above. Robotic explorers of the “planet” Pluto, asteroids, and comets are currently making their way out to these objects. This course will lead students through the physical nature of the planets, the moons which orbit them, and the new planets being discovered which orbit other stars. The course will follow the history of space exploration in terms of robotic missions, past, current, and future. Students will have an extensive opportunity to explore the features of our school planetarium.

**Earth Science** (Grades: 10-12) Full Year  
Course Weight: College Prep 5 Credits

Earth Science is an elective which uses physical and chemical concepts as a basis for the study of the earth's structure and its place in the universe. Major concepts are drawn from the fields of astronomy, geology, meteorology, and oceanography.

**Forensic Science** (Grades: 11-12) Full Year  
Course Weight: College Prep 5 Credits  
Prerequisite: Successful completion of two years of science

Forensic Science is a college preparatory course that emphasizes in depth study with problem solving, critical thinking, and extensive laboratory activities. The basic concepts and practices of biology and chemistry as applied to criminal investigation, examining and preserving forensic evidence, conducting crime-scene investigations, and science in the courts will be examined.

**Environmental Science** (Grades: 10-12) Semester  
Course Weight: College Prep 2 ½ Credits

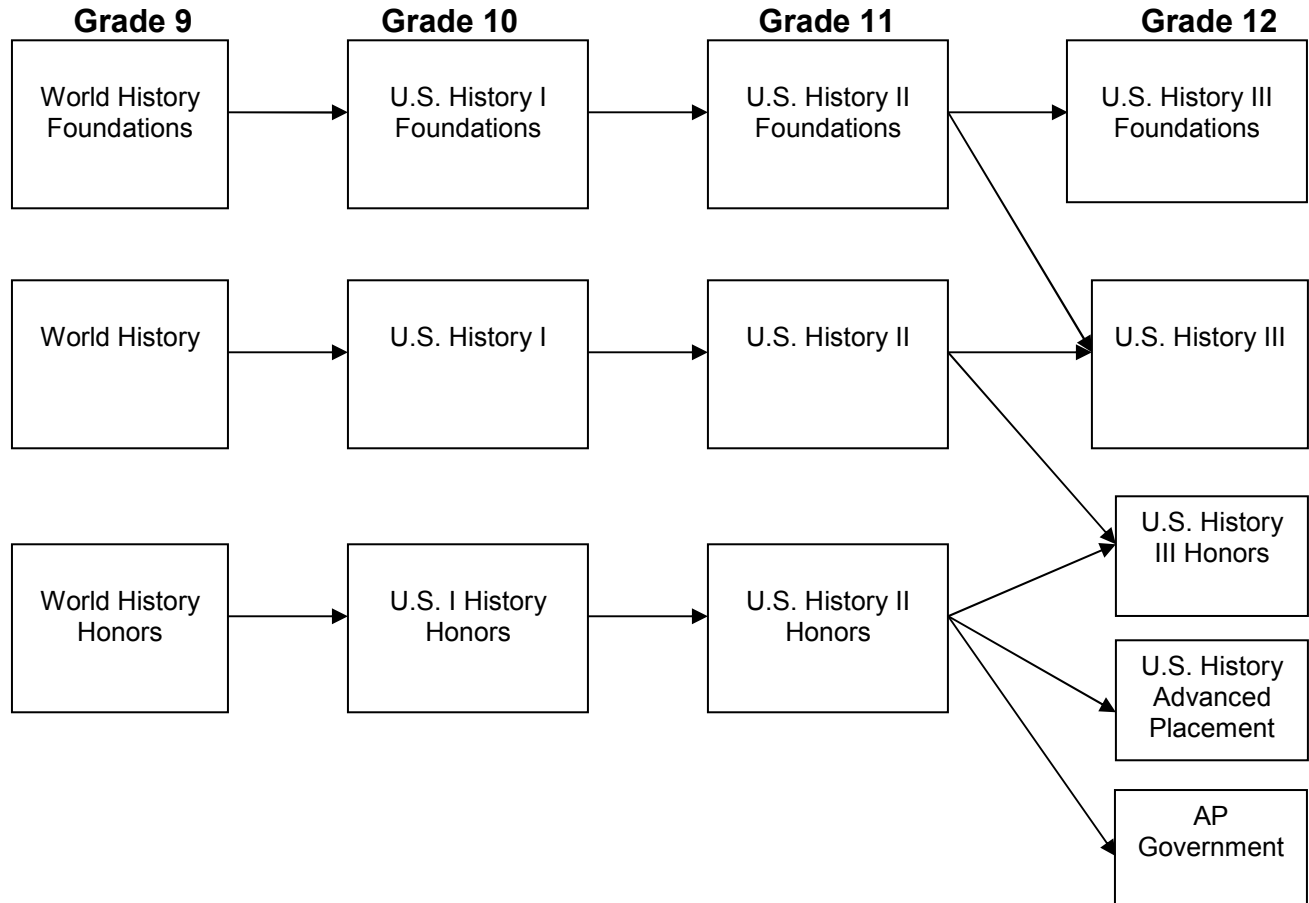
This course is designed to provide students with an introduction to the specialized field of biology known as Environmental Science. The students will study the ecology, economics and politics of various environmental issues. Laboratory activities which help provide insight into the topics covered will be included in the course of study.

**Bioethics Honors** (Grades: 11-12)  
Course Weight: Honors

Semester  
2 ½ Credits

Bioethics provides students with an opportunity to examine and discuss the social, ethical and legal dilemmas that arise from advances in medicine and biotechnology. This course is concerned with problems which may arise when the facts and technology of scientific advances and medical-genetic research conflict with norms and needs of society. Focus will be placed on understanding and appreciating relevant biological facts as they confront the principles and practice of ethical decision making at the level of the individual, the community, and nations. Potential topics include organ donation and transplantation, stem cells, assisted reproduction, euthanasia and assisted suicide, death and dying, environmental ethics, medical ethics, animal research and genetic technologies. Research-based projects and assignments and oral presentations are part of the curriculum.

# SOCIAL STUDIES DEPARTMENT COURSE SEQUENCE



- Electives**

  - Bias, Discrimination and Prejudice
  - Constitutional Law & the Supreme Court
  - Film & History
  - Global Issues
  - Psychology
  - Advanced Placement Psychology
  - Sociology

## SOCIAL STUDIES

The Social Studies Department has designed its program to help students acquire the skills of informed and reasoned decision making, to increase their awareness of political and civic systems, and to develop their knowledge of their culturally diverse society and increasingly interdependent world. History forms the core of the program, but that central discipline is expanded by the introduction of concepts and methods drawn from geography, political science, economics, and sociology. The department addresses the following proficiencies for all students:

- To develop an interest in and respect for the study of history.
- To refine written and spoken expression, and persuasive argument and debate using the strategies of social sciences.
- To acquire an awareness of and sensitivity to various cultures, including their traditions, achievements, and noteworthy personalities.

To meet State and local graduation requirements, students must successfully complete World History and three years of U.S. History. Students, particularly those interested in pursuing humanities or the social sciences, are strongly encouraged to take additional electives in social studies.

**World History Foundations** (Grade: 9)  
Course Weight: Academic

Full Year  
5 Credits

World History Foundations is for the student who needs to strengthen his ability to acquire and apply essential foundational historical skills, including reading and various forms of writing, research and critical thinking. This course begins with the overview of the civilizations of antiquity, focusing on the characteristics of their respective Golden Ages. From this point, it progresses to the chronological study of mankind's historical eras and contributions to the modern world, highlighting a number of political and cultural movements in both Eastern and Western civilizations. Topics include: dynastic China, the emergence of Islam, the Middle Ages, the Renaissance and Enlightenment, and the Age of Revolution.

**World History** (Grade: 9)  
Course Weight: College Prep

Full Year  
5 Credits

The study of World History begins with an overview of the civilizations of antiquity, focusing on the characteristics of their respective Golden Ages. From this point, the course progresses to the chronological study of mankind's historical eras and contributions to the modern world, highlighting a number of political and cultural movements in both Eastern and Western civilizations. Topics include: dynastic China, the emergence of Islam, the Middle Ages, the Renaissance and Enlightenment, and the Age of Revolution.

**World History Honors** (Grade: 9)  
Course Weight: Honors

Full Year  
5 Credits

This course is for the competitive student who wishes to undertake the challenge of in-depth studies. Emphasized in this course are the various interpretations and historiography of intellectual, social, political, and economic developments. Extensive class discussion, analytical writing, formal research and demanding scholarly readings are required. The course of study progresses as follows: the civilizations of antiquity, focusing on the characteristics of their respective Golden Ages; from this point, the course progresses to the chronological study of mankind's historical eras and contributions to the modern world, highlighting a number of political and cultural movements in both Eastern and Western civilizations; dynastic China, the emergence of Islam, the Middle Ages, the Renaissance and Enlightenment, and the Age of Revolution.

**U.S. History I Foundations** (Grade: 10) Full Year  
Course Weight: Academic 5 Credits  
Prerequisite: Successful completion of World History

U.S. History I Foundations surveys the basic themes in American history from the period of colonization to the conclusion of the Civil War for students who need assistance in their writing, research, and oral communication skills. The key areas of focus include the formation of the American democracy, fundamental workings of the government, and the responsibilities of citizenship.

**U.S. History I** (Grade: 10) Full Year  
Course Weight: College Prep 5 Credits  
Prerequisite: Successful completion of World History

U.S. History I surveys American history from the period of colonization to the conclusion of the Civil War. The course concentrates on domestic issues and themes, and relates them to the development of the United States in a global context. The students consider the influence of various cultural groups and the impact of economics on historical events.

**U.S. History I Honors** (Grade: 10) Full Year  
Course Weight: Honors 5 Credits  
Prerequisite: Successful completion of World History College Prep with an “A” or World History Honors with a “B”.

This course is for history students who have distinguished themselves as highly competitive and desiring an advanced level course in American history, with admission by recommendation and screening. The scope of this class covers the history of the United States from the colonial period to the conclusion of the Civil War. Emphasized in this course are the various interpretations and historiography of intellectual, social, political, and economic developments. Extensive class discussion, analytical writing, formal research and demanding scholarly readings are required.

**U.S. History II Foundations** (Grade: 11) Full Year  
Course Weight: Academic 5 Credits  
Prerequisite: Successful completion of U.S. History I

This U.S. History II Foundations class surveys the basic themes in American history from the period of Reconstruction to the conclusion of World War II, and was designed for students who need assistance in their writing, research, and oral communication skills. The course emphasizes those persons, events, ideas, and trends which have influenced American life and our nation’s place as a leader in the world community.

**U.S. History II** (Grade: 11) Full Year  
Course Weight: College Prep 5 Credits  
Prerequisite: Successful completion of U.S. History I.

This course continues the study of American history and culture begun in U.S. History I. It focuses on both domestic and foreign affairs issues as America emerged as a world power from the period of Reconstruction until the conclusion of World War II. The course emphasizes those persons, events, ideas, and trends which have influenced American life. Additionally, students examine a wide variety of political, social, and economic issues pertinent to the modern era of American history. Reading, writing, and analytical skills are an important aspect of this course.

**U.S. History II Honors** (Grade: 11) Full Year  
Course Weight: Honors 5 Credits  
Prerequisite: Successful completion of U.S. History I with an “A” average or U.S. I Honors with a “B+” average.

This course is for students who have distinguished themselves as highly competitive and desiring a college-level course in American history and are considering Advanced Placement studies (which requires recommendation and screening). The scope of this class covers the history of the United States from the Reconstruction era to the conclusion of World War II. Emphasized in this course are the various interpretations and historiography of intellectual, social, political and economic developments. Extensive class discussion, analytical writing, formal research and demanding scholarly readings are required.

**U.S. History III Foundations** (Grades: 12) Full Year  
Course Weight: Academic 5 Credits  
Prerequisite: Successful completion of U.S. History II.

This U.S. History III Foundations class surveys the basic themes in American history from the period of the Cold War to contemporary society, and was designed for students who need assistance in their writing, research, and oral communication skills. Such topics as civil rights, basic economic theory, America’s increasing dependence on foreign oil, and understanding the role of the president in contrast to its constitutional definition are but a few of significant topics covered in this class.

**U.S. History III** (Grades: 12) Full Year  
Course Weight: College Prep 5 Credits  
Prerequisite: Successful completion of U.S. History II.

With a strong emphasis on economics, as well as diplomatic, social and political history, this course continues the study of American history from the Truman administration and the onset of the Cold War through the most contemporary issues. Such topics as civil rights, the turbulent economic swings of the post-war era, America’s increasing dependence on foreign oil, and the role of the president in contrast to its constitutional definition are but a few of significant topics covered in this class.

**U.S. History III Honors** (Grades: 12) Full Year  
Course Weight: Honors 5 Credits  
Prerequisite: Successful completion of U.S. History II with an “A” average or U.S. II Honors with a “B+” average.

This course is for exceptional history students desiring the challenge of study on an academically competitive level. Beginning with the Truman administration and the onset of the Cold War and proceeding to current times, this class emphasizes many interpretations of historiography, including the extensive study of social, intellectual, political, and economic developments and the emergence of modern institutions.

**Advanced Placement U.S. History** (Grade: 12) Full Year  
Course Weight: Advanced Placement 5 Credits  
Prerequisite: Successful completion of U. S. History III with an “A” or U. S. III History Honors with a “B+”.

Following the syllabus of the College Board Advanced Placement Program, this course is for history students who have distinguished themselves as highly competitive and desiring a college-level course in American history. The scope of this class covers the entire history of the United States in order to prepare for the Advanced Placement Examination. Emphasized in this course are the various interpretations and historiography of intellectual, social, political and economic developments. Extensive class discussion, analytical writing, formal research and demanding scholarly readings are required. **Students enrolled in this course are expected to take the Advanced Placement Examination.**

**Advanced Placement American Government** (Grade: 11-12) Full Year  
Course Weight: Advanced Placement 5 Credits  
Prerequisite: Successful completion of United States History I and recommendation from the Subject Area Supervisor.

Advanced Placement American Government is a college-level course that exposes students to an in-depth study of the national level of government, civil rights and liberties, and the domestic politics of the United States, accomplished via placing American political systems, their development over the past two centuries, and how they continue to function in the twenty-first century, under close scrutiny. Completion of this course will increase the student's understanding of the mechanics of the Constitution, including the role of states within the federal system, as well as the nature of contemporary national politics and our values as a democratic society. **This course can be taken in place of United States History III to fulfill the requirements for graduation. Students enrolled in this course are expected to take the Advanced Placement Examination.**

### ELECTIVES

*These courses do not fulfill the Social Studies requirement for graduation.*

**Bias, Discrimination and Prejudice** (Grades: 10 – 12) Semester  
Course Weight: College Prep 2 ½ Credits

This course guides students in the development of decision making and problem solving skills as they relate to bias and prejudice in the world. Conflict resolution strategies and peer refusal skills provide students with ways of developing value systems that emphasize freedom and fairness. Students explore the nature of prejudice and the manifestations of discrimination and examine the lives of individuals who have been in the forefront of creating an awareness of bias and its effects. Units of study culminate in the writing of a position paper or in the completion of an equivalent project.

**Film and History** (Grades: 9 – 12) Semester  
Course Weight: Academic 2 ½ Credits

Beginning in the early twentieth century, this course explores how films depict events in history and how films reflect the society and values contemporary to their production. Students will develop critical skills as they discern how filmmakers take ideas from history, edit them and often recreate history. Students will also discuss how films can reflect the values of an era and how films may help shape an era. Students will use and analyze information from U.S. history texts, individual research, critical essays, and other sources. By the end of the semester students will be able to identify changing views of key events in U.S. history, and how Hollywood influences the perception of historical events.

**Global Issues** (Grades: 10 – 12) Semester  
Course Weight: College Prep 2 ½ Credits

This course focuses students on the dramatic changes taking place in the world. Students are engaged in activities designed to foster a reasoned understanding of the "New World Order." The course addresses a full range of contemporary issues, ranging from rain forests to revolution. Using a case study approach, students investigate current worldwide issues, tracing the development of each issue from its origin to possible solutions. Units of study average approximately two weeks in length and culminate in the writing of a position paper or in the completion of an equivalent project.

**Psychology** (Grades: 11 - 12)  
Course Weight: College Prep

Semester  
2 ½ Credits

Psychology is the study of the mind, behavior, and the relationship that exists between these two concepts. This semester elective provides students with a brief overview of the major areas of psychology and encourages the student to develop personal insights as a result of this study. Course content surveys the five domains of psychology: methods, biopsychology, cognition, development, and social culture. Subtopics include considerations of questions such as the following: Are we a product of our environment or of genetics? How does the human brain remember? What roles do parents and friends play in how we see ourselves? How can a friend properly listen to and help a friend in need? To study this field and to pursue answers to these and other questions, students complete reading assignments and participate in class lectures, demonstrations, and role-playing exercises.

**Advanced Placement Psychology** (Grade: 11-12)  
Course Weight: Advanced Placement

Full Year  
5 Credits

Prerequisite: Recommendation of the instructor and the Subject Area Supervisor

Advanced Placement Psychology is a college-level course which is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and animals. Students are exposed to psychological facts, principles and phenomena associated with each of the major subfields of psychology. They also learn about the ethics and methods psychologists use in their science and practice. Students gain an understanding of behavior as they learn the knowledge and skills necessary to address critical problems of the individual and society. AP Psychology integrates social and natural sciences, examines scientific inquiry, analyzes research methods, statistics, and research designs, and teaches ethics involved in psychological science research and practice. Students learn to distinguish between science and pseudoscience, to speak and write effectively, to respect diversity, and to apply knowledge of psychology to independent reading. **Students enrolled in this course are expected to take the Advanced Placement Examination.**

**Sociology** (Grades: 10 – 12)  
Course Weight: College Prep

Semester  
2 ½ Credits

Sociology provides insights into and analyses of the functions of society and the development of societal norms. Course participants examine the cultural forces that impact childhood development, adolescence, marriage, divorce, families, and prejudice. The main focus of this course is to assist students in reaching new understandings about society through their consideration of the following fundamental questions: How is society organized and what are the relationships among groups? What changes take place throughout our lives from childhood to adulthood? How do the social, political, and economic conditions that people face shape our societal norms? Debate and discussion provide the primary means by which students acquire and measure their new understandings of individuals in society.

**Supreme Court and Constitutional Law Honors** (Grades: 11 – 12)

Semester  
2 ½ Credits

Course Weight: Honors

Prerequisite: Successful completion of U.S. History I

Examining the creation of the Constitution, the history of the federal judiciary and analysis of landmark cases, students learn how law is one of the most influential forces in American society. This course endeavors to help students reach new understandings about law through consideration of the following fundamental questions: What is the nature of law and what are its limits? How does the Court reach a decision? How have legal issues shaped domestic policy? To answer these questions, students examine real and hypothetical cases, the laws which apply to these cases, and relevant court decisions. Demonstrations and lectures by guest speakers enrich and enliven the course.

## DEPARTMENT OF SPECIAL EDUCATION

Students identified as in need of special education, as designated in the Individualized Education Plan, are served by a full continuum of services. Study Skills instruction and support are provided in the mainstream, as well as through a pull-out option. Students identified as needing replacement academics are served in a pull-out Resource Center Program. The courses of study parallel those in the mainstream program. The Resource Center curriculum has been modified in scope, pace, sequence, material, instructional strategies, and evaluative techniques. Students work from texts and materials that meet their instructional needs. This may include mainstreamed texts, Resource Center texts, or specialized materials as identified in their I.E.P.

### SPECIAL PROGRAMS

**Reading and Writing Development** (Grade: 9) Full Year  
Course Weight: Academic 5 Credits

Reading Development is a supplemental program for Grade 9 students who have been identified as at-risk for passing the HSPA in grade 11. The course provides students with additional help in word analysis, vocabulary building, and reading comprehension and writing skills. The program supplements, but does not replace, the required ninth grade English class.

**Verbal Skills** (Grade: 11) Semester  
Course Weight: Academic 2 ½ Credits

This program provides supplemental instruction in reading and writing for students whose performance indicates the need for additional skill reinforcement in these areas to pass the HSPA. Instruction focuses on reading comprehension, vocabulary development, word recognition, analysis, and study skills. The program supplements, but does not replace, the required eleventh grade English classes.

**Math Skills** (Grade: 11) Semester  
Course Weight: Academic 2 ½ Credits

The course is designed to meet the needs of juniors who, on a pretest administered in the spring of their sophomore year, have been deemed in danger of scoring partially proficient on the HSPA. Intensive reviews of the four HSPA clusters (as well as important test taking strategies) are reviewed prior to the March administration of the test. The program supplements, but does not replace, the required eleventh grade math class.

**SRA-Language Arts** (Grades: 12) Semester  
Course Weight: Academic 2 ½ Credits

This course is required for those seniors who scored "Partially Proficient" on the Language Arts/Literacy section of the High School Proficiency Assessment (HSPA). An intensive review of the HSPA clusters is done prior to the October administration of the test. After this administration, students work on the SRA (Special Review Assessment) process in order to be eligible for graduation as mandated by the NJ State Department of Education.

**SRA-Math** (Grades: 11-12)  
Course Weight: Academic

Semester  
2 ½ Credits

This course is required in the fall of the senior year to students who have scored “Partially Proficient” on the High School Proficiency Assessment (HSPA). An intensive review of the HSPA clusters is done prior to the October administration of the test. After this administration, students work on the SRA (Special Review Assessment) process in order to be eligible for graduation as mandated by the NJ State Department of Education.

### **Gifted/Talented Program**

The Gifted and Talented Program is open to students who possess and demonstrate higher levels of ability than their peers in one or more content areas. Lenape Valley offers Advanced Placement programs in almost all departmental areas and has an Independent Study available to students who wish to pursue studies that are not part of the regular curriculum. In addition, the Gifted and Talented Program features a series of seminars. These lectures presented by guest speakers are organized to enhance students’ problem solving, creative and analytical thinking skills, as well as their self-direction and interpersonal communication. The Gifted and Talented Program also organizes Lenape Valley’s involvement in the Teen Arts program at the district, county, and state levels.

### **Independent Study**

The Board of Education recognizes the need for an Independent Study Program. In the event that an individual student or group of students wants to enter into an independent agreement/contract with a teacher to earn credits in an area of study not provided in the regular curriculum, the agreement must be submitted to the Board of Education for approval. **Students must apply for Independent Study by March 15 of the year prior to the one in which they plan to pursue the special study.** No credit for Independent Study will be granted without prior approval of the Board of Education.

## **TECHNICAL SCHOOL OPTIONS**

Listed below are the programs of study offered at Morris and Sussex County Technical High Schools. Netcong residents may select the shared time options offered by Morris County School of Technology while Stanhope and Byram students may apply for either a shared-time or full day program at Sussex County Technical High School. However, fulfilling graduation requirements while attending a shared time program may be difficult in light of the 140 credit requirement.

Students who are interested in any of these programs may want to consider full time attendance at the appropriate technical high school. A meeting with the school counselor prior to entering Lenape Valley Regional High School or early in ninth grade year is strongly advised to properly plan for completion of all graduation requirements.

### **MORRIS COUNTY SCHOOL OF TECHNOLOGY**

Auto Body/Collision Repair	Diesel Technology
Auto Service Tech	Digital Design & Advertising
Building Construction	Electrical Trades
Building/Grounds Maintenance	Food Service
Business Information Technology Systems	Networking & Information Technology
Carpentry	Plumbing
Child Related Careers	Retail /Supermarket Careers
Computer Drafting & Graphics	Veterinary Science
Cosmetology	Welding Technology
Culinary Arts	

### **SUSSEX COUNTY TECHNICAL HIGH SCHOOL**

Automotive Services	Electronic Technology
Building Trades	Engineering Technology
Business Management & Administration	Environment Systems Technology
Carpentry	Graphic Arts
Clerical Skills	Landscape & Design Technology
Commercial Art	Manicuring
Computer Drafting/Design	Media Production
Computer Information Systems Technology	Medical Arts
Cosmetology/Barbering	Office & Business Technology
Culinary Arts/Baking	Transportation Technology
Electrical Trades	Welding