

The seal of Lenape Valley Regional High School is a circular emblem. It features a central figure of a Native American man in traditional dress, holding a bow and arrow. The figure is set against a background of stars and stripes, reminiscent of the American flag. The words "Lenape Valley Regional High School" are written around the top inner edge of the seal, and "Patriotism" is on the right. The words "Est. 1974" are on the left. The text "PROGRAM OF STUDIES 2023-2024" is overlaid on the seal in large, bold, black letters.

LENAPE VALLEY REGIONAL HIGH SCHOOL PROGRAM OF STUDIES 2023-2024

28 SPARTA ROAD

STANHOPE, NEW JERSEY 07874

973-347-7600

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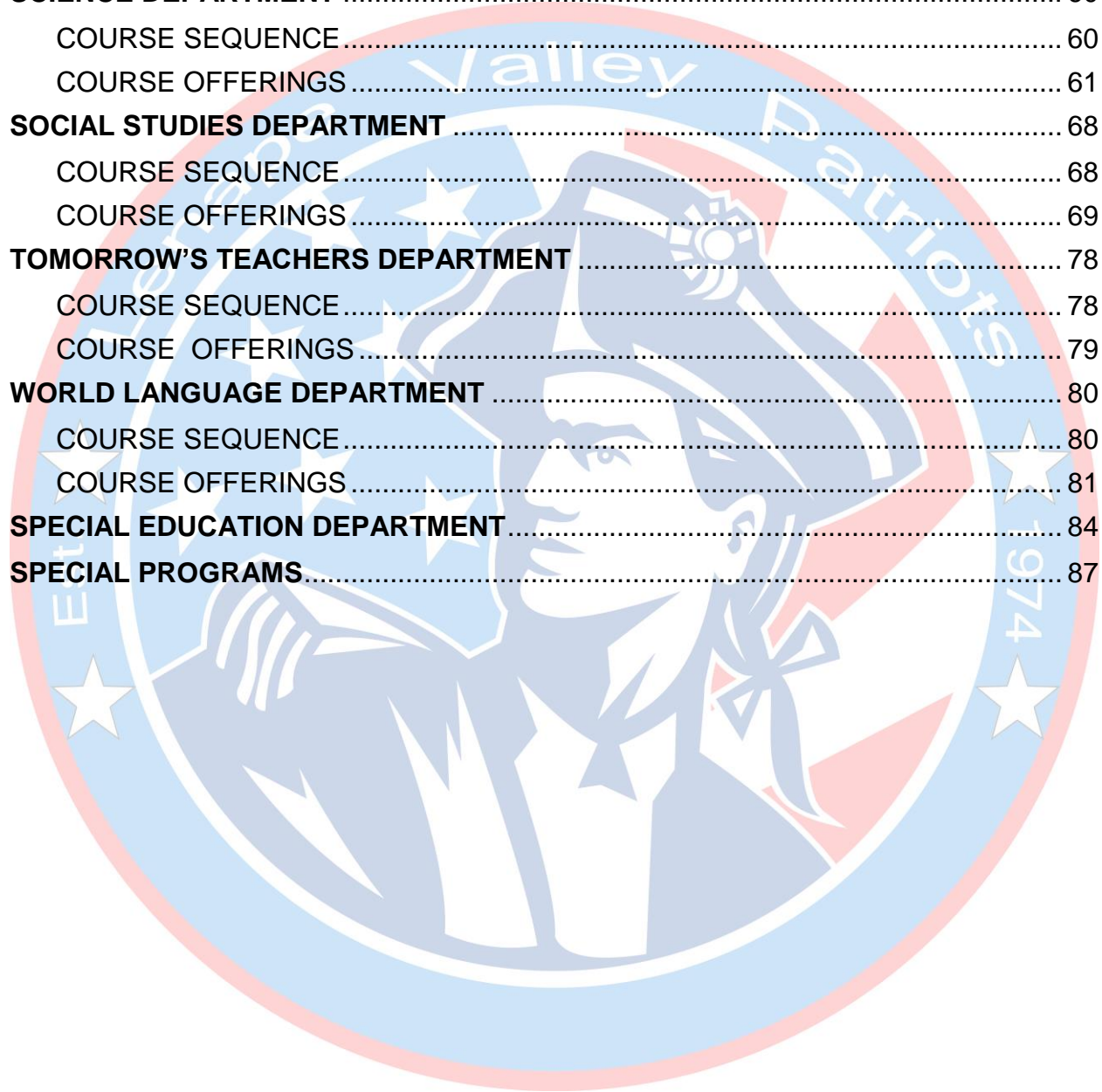
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GUIDANCE DEPARTMENT

The Department of Student Personnel Services 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.

The Office of Student Personnel Services is a resource center which houses and disseminates information and provides informational sessions for all students on the following:

Academic services include:

- Graduation requirements
- Academic planning
- Schedule planning and course selections
- Maintenance of report cards and progress reports available through Genesis
- Transcript and record keeping maintenance
- Parent and teacher conferences
- Referrals to special services and outside agencies
- State standardized test and limited English proficiency test administration and results
- Student and parent programs

Post-secondary college and career readiness services include:

- Host and post information about post-secondary options
- Available through Naviance, electronic career and college information
- SAT and ACT preparatory course information provided
- PSAT, SAT I, and ACT registration materials
- PSAT, SAT, AP, ASVAB and State Standardized Test Administration
- Assistance with applications to post-secondary options
- Financial aid
- Monthly scholarships bulletin
- Military, Apprenticeship, and Vocational training information
- Mini College Fair Program

General resources and services include:

- Working papers
- Special programs, including enrichment opportunities (Boys' State/ Girls' State, Governor's School Programs, HOBY, etc.)
- Personal concerns- identify and refer to appropriate resources
- Crisis issues
- Interpersonal relationships

Students are encouraged to visit the Office of Student Personnel Services to meet with their counselors. 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. 5120/5121.

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STATE AND LOCAL GRADUATION MINIMUMS

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

Language Arts Literacy (English)	20 credits
Mathematics *Additional mathematics courses taken prior to Grade 12 will receive elective credit, but will NOT COUNT towards fulfilling the five credit Grade 12 requirement.	20 credits
Social Studies World History U.S. History Grade 12 Social Studies* *Social studies electives taken prior to Grade 12 will receive elective credit, but will NOT COUNT towards fulfilling the five credit Grade 12 requirement.	20 credits 5 credits 10 credits 5 credits
Physical Education and Health* (lab dependent)	16-20* credits
Science* * Five science credits must be taken in a laboratory biology course. *Students are to successfully complete a minimum of three full years of science to meet district graduation requirements.	15 credits
World Languages	5 credits
Visual and Performing Arts Courses fulfilling this requirement are listed on the following page.	5 credits
Technological Literacy This requirement is integrated through the curriculum.	5 credits
21 st Century Life and Careers Courses fulfilling this requirement are listed on the following page.	5 credits
Personal Finance	2.5 credits
Service Learning Optional for the Class of 2021 and Beyond	2.5 credits
State testing requirements	

As established by Lenape Valley Regional High School Board of Education policy, students must:

- Enroll in a minimum of 35 credits per year.
- Not exceed 41 credits per year.
- Earn at least 140 credits in order to be a candidate for graduation.

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ELECTIVE OFFERINGS THAT MEET GRADUATION REQUIREMENT CATEGORIES

Courses that meet the **Visual and Performing Arts** requirement include:

- New Media Art
- Exploring Art
- Introduction to Computer Design
- Advanced Computer Design
- Fashion and Interior Design I & II
- 2D and 3D Design
- Drawing and Painting Workshop
- Introduction to Digital Photography
- Intro to Graphic and Communication Design
- Studio Art
- Art Portfolio Honors
- Ceramics 1, 2, and Advanced Ceramics 3
- Art for the School and Beyond
- Practical Arts
- Communications
- Film Studies
- Screenwriting
- Dramatics I
- Dramatics II
- Creative Writing: Fiction and Poetry
- Symphonic Band 1, 2, 3, 4H
- Mixed Chorus 1, 2, 3, 4H
- Wind Ensemble
- Introduction to Piano
- Introduction to Guitar
- Music Theory 1 and 2
- AP Music Theory
- History of Rock and Roll
- Musical Theater 1 and 2
- Electronic Music Technology

Courses that meet the **21st Century Life and Careers** include:

- Communications
- Writing for the Media
- Freshman Seminar
- Personal Finance
- Web Page Design
- Advanced Web Page Design
- E-Commerce
- Python Coding
- Video Game Design and Development
- Accounting 1 and 2H
- Marketing Strategies 1 and 2H
- Fashion Marketing and Design Management
- Sports and Recreation Marketing
- Business Law
- Introduction to Business
- International Business
- Lenape Valley Entrepreneur
- Marketing and Advertising Communications
- Social Media Marketing
- Cooperative Education
- Video Editing
- TV Production I and II
- Broadcast Journalism
- STEM Academy
- Industrial Concepts
- Engineering
- Robotics
- Architecture 101, 102, 103
- Inventors' Studio Workshop
- Honors Inventors' Studio Workshop

Courses that meet the **Technological Literacy** include:

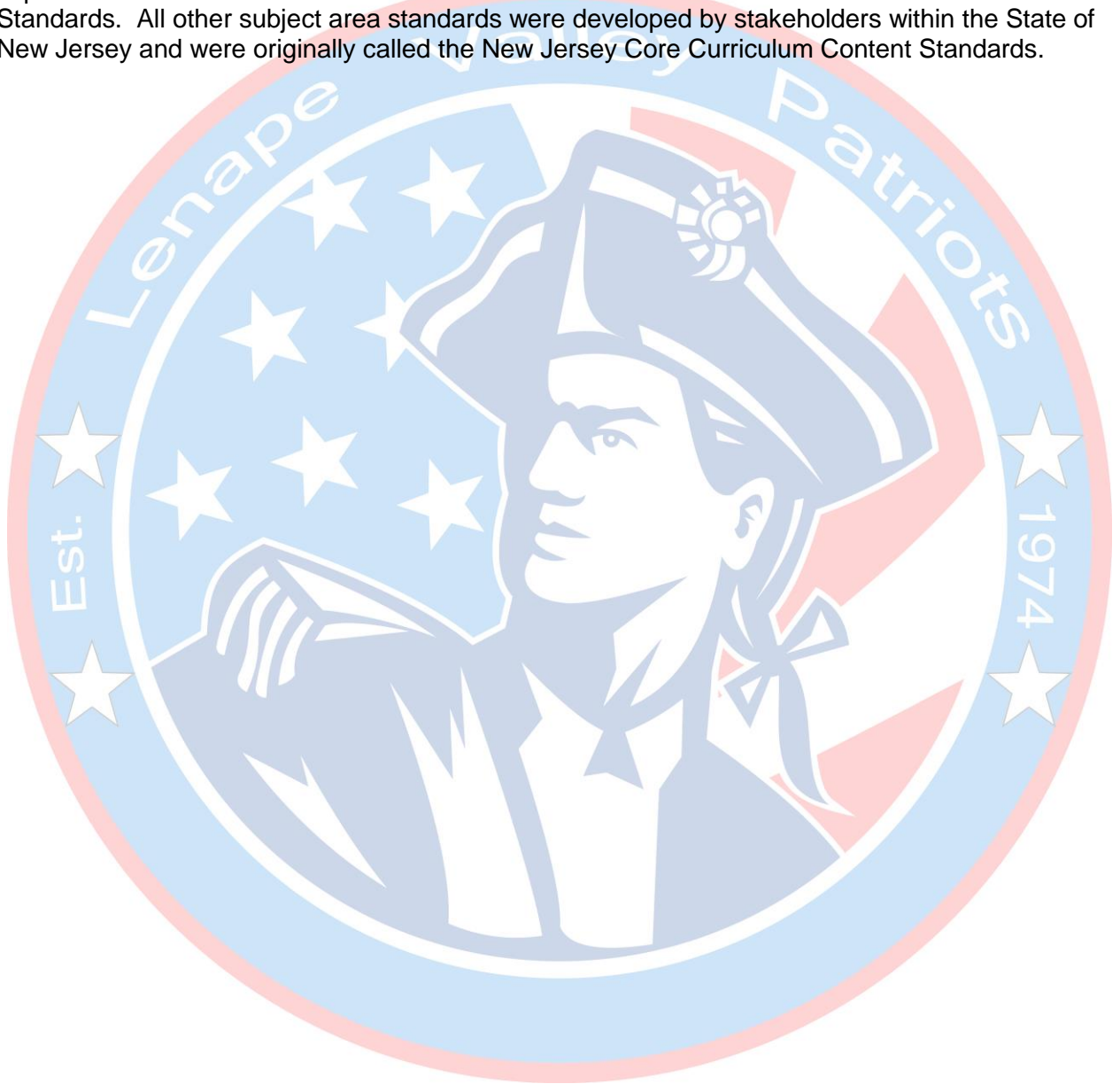
Integrated throughout the curriculum.

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THE NEW JERSEY STUDENT LEARNING STANDARDS

The State of New Jersey adopted the New Jersey Student Learning Standards in the Spring of 2020. The English Language Arts/Literacy and Mathematics standards are based on the Common Core State Standards; however, they have been revised to meet New Jersey-specific expectations and focus. The science standards are based on the Next Generation Science Standards. All other subject area standards were developed by stakeholders within the State of New Jersey and were originally called the New Jersey Core Curriculum Content Standards.



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CURRICULUM PLANNING

Lenape Valley Regional High School creates an educational environment where every student will be college and career ready when they graduate. All faculty and staff at Lenape Valley Regional believe that data informed and student-centered systemic change is both possible and necessary to achieve our vision of preparing a curriculum and whole school program that empowers every student to be successful in his or her life.

To that end, LVR offers a rigorous, differentiated, and diverse curriculum in all subjects for all learners. With our curriculum, all students will be able to enter college or to start a career/career training program prepared to manage the demands of the 21st Century and global marketplace. In alignment with the newly adopted Common Core Content Standards and federal and state curricular mandates, Lenape Valley Regional High School will meet the needs of every student learning style and learning goals. Our program of studies ensures all learners have the opportunity to grow socially, physically, and cognitively in the least restrictive and the most supportive school environment.

ACADEMIC REQUIREMENTS FOR COLLEGE ENTRANCE

In order to be college and career ready, students are advised to pattern course selections on the general requirements set by many colleges and 21st century career expectations. These include the following:

English	4 years
Mathematics	4 years
World Languages	3 or more years of study of the same language
Science	4 years
Social Studies	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 as they develop their course of studies over their four years at LVR. Generally, more competitive colleges have more rigorous admission requirements. Most colleges consider the following important factors in making admission decisions:

1. The four-year scholastic record (grade point average).
2. The rigor of courses and quality of performance.
3. The scores earned in the examination of The College Board or the American College Test (SAT or ACT).
4. Advanced coursework that may include concurrent, Advanced Placement, Capstone, or other independent enrichment.
5. The range and extent of extracurricular participation.
6. 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.

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SCHEDULING GUIDELINES

MASTER SCHEDULE

The high school master schedule and staffing are determined by the course selections of the students. Every effort will be made to accommodate your course requests but consideration is not made for teacher preference. There are times that courses will not be offered due to an insufficient enrollment requiring you to select an alternative. In addition, some courses in the Program of Studies are offered every other year. Board of Education policy indicates that each course must have a minimum student enrollment to be offered with only a few exceptions. Additionally, due to availability of staff and facilities, your schedule may be in “conflict” and can only be resolved by selecting an alternate course.

DROPPING AND ADDING COURSES

During the summer, students may add and drop classes based on their interest in a prospective course. Students may never request a schedule change based on preference for a teacher, preference for a study hall at a specific time, desire to have class with a friend, desire for a specific lunch period, etc. Students must also meet pre-requisite requirements and have the proper teacher recommendations to enroll in a course.

During the school year, schedule changes are more selective and may only occur if a student is in the wrong course, missing a required course, attended summer school and passed a scheduled course, or already took and passed a scheduled course. Lenape Valley understands that the addition of students to an existing course can be a disruption to the course that is already in progress. Therefore, Lenape Valley generally does not permit students to enroll in a new course that is already in progress. During the school year, students may only drop a course to add a study hall if they do not already have one. If a student already has a study hall and a course is in progress, it will not be possible to drop a course. Students must carry a minimum of 35 credits each school year.

Provided a student meets the above criteria, it may be possible to drop and add a course during the school year. Changing scheduled classes is a serious decision; therefore, the request to change a schedule is not to be taken lightly. A conference involving the student, teacher, counselor and parent may be necessary before a student is permitted to change their schedule. If the course is dropped within the first ten school days of the course, the course will no longer appear on the student's transcript and a study hall will be added to the schedule. If the course is dropped after the initial ten school days of the course, the student will receive a “WP” (Withdraw Passing) or a “WF” (Withdraw Failing). This grade will appear on school transcripts. Therefore, full year and semester 1 course change requests must be initiated prior to the start of the school year and semester 2 course change requests must be initiated prior to the start of the second semester. Students enrolled in concurrent courses must adhere to the guidelines of the college offering the course.

LEVEL CHANGES

During the school year, a student may find the pace of a course to be too demanding and may initiate a move to a lower-level course. For example, a student in Algebra 2 Honors may find themselves struggling and initiate a move to Algebra 2 CP-Advanced. Course level changes may only be considered if a student has demonstrated adequate effort to be successful in a current course, the teacher supports the student's request, and the requested course has available seats and does not cause a major disruption to the student's schedule. Conflicts in the master schedule and lack of an open seat may prevent a level change from being considered. Level changes may only occur with the support and recommendation of the current teacher. A conference involving the student, teacher, counselor and parent may be necessary before a student is permitted to drop a subject. Marking period grades from the sending course will carry to the receiving course and it is the discretion of the receiving teacher as to how to integrate the grades from a

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marking period in progress. Level changes must be initiated before a course has progressed beyond one-fourth of the class meetings. For example, a level change in a full year course must be initiated by the end of the first marking period. A level change in a semester course must be initiated by the middle of the first marking period.

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 may not make up that course in the second semester. This applies even to seniors who fail a semester course required for graduation. Students who fail courses have the option to remediate up to two courses each summer and, in some extenuating circumstances, may repeat the course in the subsequent school year. Seniors are extended an additional opportunity to remediate credits in up to one full year course during their senior year through the credit retrieval process.

ADVANCED PLACEMENT COURSES

Students who enroll in Advanced Placement courses are encouraged to take the Advanced Placement Examination in the spring in order to receive Advanced Placement weight for the course.

PROGRAM ACCELERATION

Students are invited to pursue additional coursework through approved college or virtual offerings in order to accelerate their program of study. For example, students who were unable to accommodate French 3 in their schedule may enroll in this course in another approved setting. Courses taken in other settings will NOT be included on students' Lenape Valley transcript, but will serve as meeting a pre-requisite so students may accelerate their program of study. For example, the above student must submit proof of completing French 3 in another setting in order to enroll in French 4 at Lenape Valley Regional High School. To determine if alternative settings are considered approved, please speak with your child's Guidance Counselor in advance of registration.



ADVANCED PLACEMENT CAPSTONE

Advanced Placement Capstone is a diploma program from the College Board. It's based on two year-long AP courses: AP Seminar and AP Research.

Rather than teaching subject-specific content, these courses develop students' skills in research, analysis, evidence-based arguments, collaboration, writing, and presenting. Students who complete the two-year program can earn one of two different AP Capstone awards, which are valued by colleges across the United States and around the world.

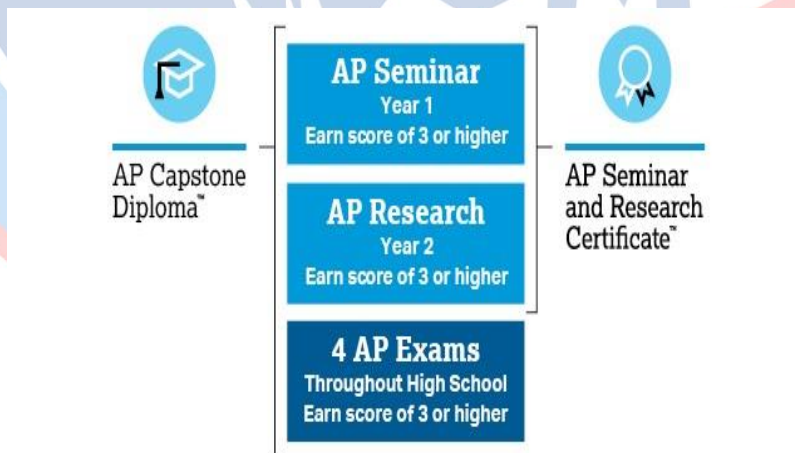
Students can earn the AP Capstone Diploma OR the AP Seminar and Research Certificate.

Students who earn scores of 3 or higher in AP Seminar and AP Research and on **four additional** AP Exams of their choosing receive the AP Capstone Diploma.

Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate.

AP Research: There is no end-of-course written exam for AP Research. Instead, you'll be assessed on performance tasks you complete that are based on your yearlong research project: an academic paper, a presentation, and an oral defense of your research. These components all contribute to your final AP score on a scale of 1–5.

While weighted as advanced placement courses, neither AP United States History 1 nor the Syracuse University Project Advance courses will count towards the four required Advanced Placement courses needed to earn an AP Capstone Diploma.



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CAREER AND TECHNICAL EDUCATION PATHWAYS

Pathways to the Future

Career and Technical Education [CTE] are programs designed to connect students with business and industry level experiences. These engagements canvass a wide spectrum of professional endeavors, and are structured such that individuals gain familiarity and understanding with specific work-related content. As early freshman year, pupils can begin a journey through a “coherent sequence” of coursework, from an introductory level to capstone experiences, usually during junior or senior year.

Fundamentally, the conceptual framework surrounding CTE is that successful completion of a certain pathway will prepare students for entry into a higher education program of studies and or a career within that field. Gaining practical, hands-on contact before high school graduation enables individuals to determine their own future. It is our goal to make strong connections between the classroom and life outside it.

Lenape Valley Regional School District is pleased to offer CTE Pathways in the below areas. Click the name for more information.

[Architecture](#) (pending approval by the State of New Jersey)

[Marketing](#) (pending approval by the State of New Jersey)

Tomorrow's Teachers (pending approval by the State of New Jersey)

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CONCURRENT COURSES

Courses Offered for College Credit

Lenape Valley Regional High School has articulated with colleges and universities to allow for certain high school courses to be offered in a concurrent format. In reviewing Lenape Valley's curricula and instructors, the college or university has certified that the course work and rigor of the high school courses match those of college level courses. Students enrolled in courses identified as concurrent have the option to earn college credit by simultaneously enrolling through the college or university for the course being taught at the high school.

While enrollment in the college-level course is optional, there are several potential benefits to consider, including:

- **Being more competitive for college admissions-** Students enrolled in concurrent classes are engaging in extended learning experiences that may enhance their admissions profile and give them a competitive edge for admission!
- **Saving money-** Students enrolled in concurrent courses can earn college credits at a tuition rate significantly lower than they would if they were to take the courses as college students on college campuses.
- **Saving time in college-** By earning college credits through concurrent programs, students have the potential to begin college with advanced credits and potentially graduate early, which then also saves money!
- **Providing more options for their future-** Students have the potential to double major, minor, or even study abroad.
- **Gaining experience-** Concurrent enrollment will provide students with a better understanding of the demands of college to help them be better prepared and have greater success.

To enroll in a concurrent course at Lenape Valley, students must be otherwise qualified for the course. Students must meet the Lenape Valley course prerequisite and have a teacher recommendation to enroll in order to offer the greatest potential for success! Courses offered concurrently are identified as such in the course descriptions.

In concurrent courses, Lenape Valley students will physically attend courses located at Lenape Valley that follow our curriculum and are taught by our teachers. Students will register for the course simultaneously at the college, but will only attend the college course on paper. Students will pay a reduced tuition cost directly to the cooperating college or university. The final course grade will transfer from Lenape Valley to a college transcript where the students will also earn college credit. A final grade of a "C" or better is required in a concurrent course. Courses taken concurrently are indicated as DCC on student's Lenape Valley Regional High School transcript. More information and registration documents are available on the Lenape Valley Regional High School Guidance Department Website. Students are also encouraged to speak to their teachers of concurrent courses and their guidance counselors.

Upon graduating from Lenape Valley, students will submit their transcript from the cooperating college or university to the post-secondary institution of attendance. Although it is impossible to predict which colleges will accept which credits for what value as this can vary from university to university, department to department and year to year, Lenape Valley is committed to giving its students this opportunity!

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CLASS RANK

Class rank is a statistic that compares each student's overall academic performance with the performance of his or her classmates. 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 or college preparatory in the determination of a weighted grade point average for class rank. In observance of Lenape Valley Regional High School Board Policy 5430, Lenape Valley Regional High School will not provide rank in class on any school record. **Rank in class is not officially calculated and will not be provided to students and colleges.** For administrative purposes, rank is calculated at the end of each school year, but will only be provided directly to limited programs such as service academies, certain college honors programs, specific scholarship, and graduation honors.

In observance of Lenape Valley Regional High School Board Policy 5430, ranking for valedictorian and salutatorian of the graduating class are determined at the end of the 2nd marking period of senior year or seventh semester. "In each high school graduating class, the pupil who has earned the highest grade point average at the end of the seventh semester shall be named valedictorian and the pupil who has earned the next highest grade point average shall be named salutatorian provided that any pupil so named shall have been enrolled in this district for at least two complete school years immediately prior to high school graduation."

GRADE REPORTING SYSTEM

GRADING SCALE	ADVANCED PLACEMENT (AP)	HONORS	COLLEGE PREP-ADVANCED (CP-ADV)	COLLEGE PREP (CP)	STANDARD GPA (NON-WEIGHTED)
98-100 = A+	5.3	4.8	4.6	4.4	4.0
94-97 = A	4.9	4.5	4.3	4.1	3.7
90-93 = A-	4.6	4.2	4.0	3.8	3.4
87-89 = B+	4.3	3.9	3.7	3.5	3.1
83-86 = B	4.0	3.6	3.4	3.2	2.8
80-82 = B-	3.7	3.3	3.1	2.9	2.5
77-79 = C+	3.4	3.0	2.8	2.6	2.2
73-76 = C	3.1	2.7	2.5	2.3	1.9
70-72 = C-	2.8	2.4	2.2	2.0	1.6
0-69 = F	--	--	--	--	--

HONOR ROLL

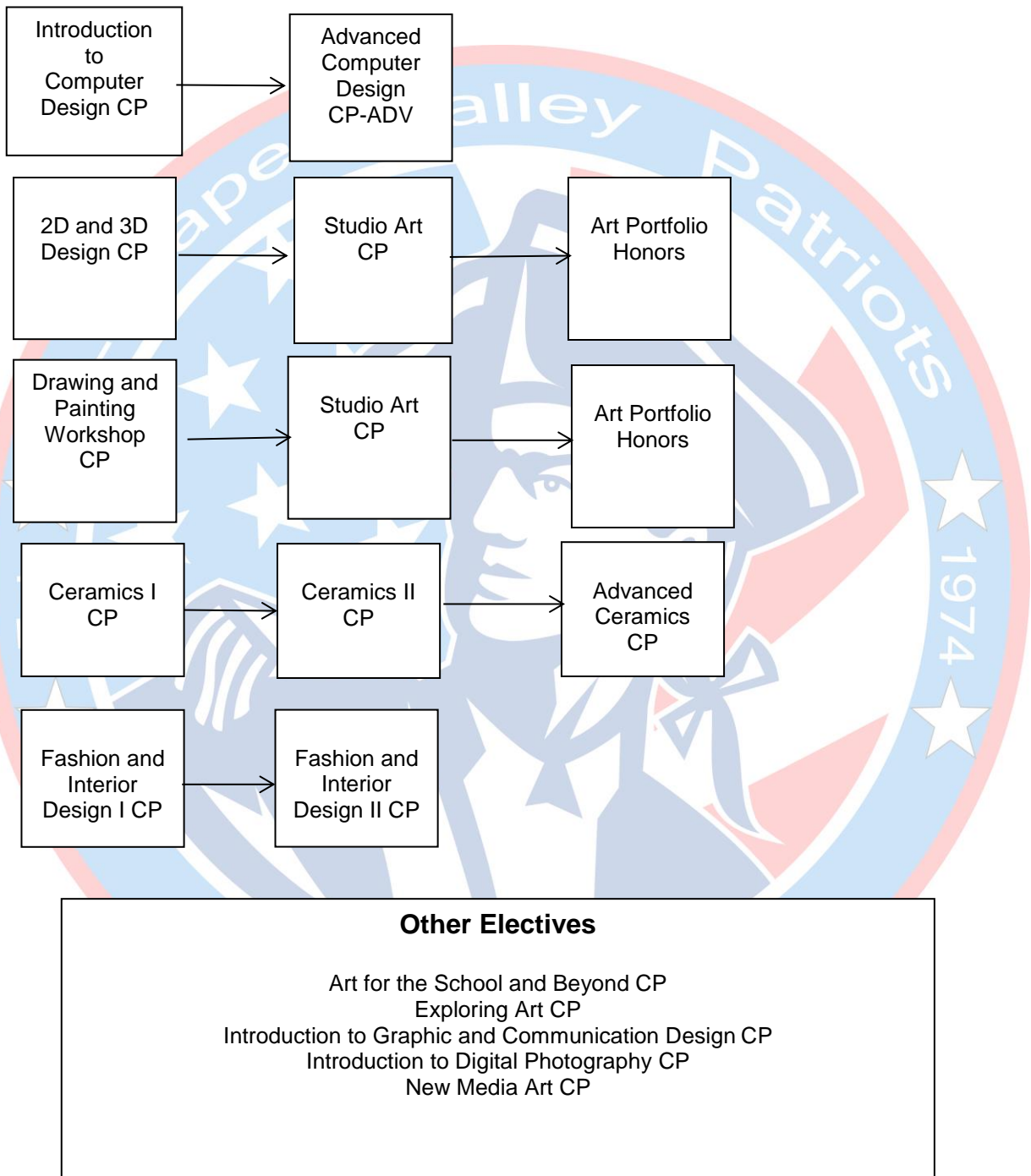
Distinguished Scholar.....A's & 1 B
 High Honors.....A's & 2 B's
 Honors.....A's, B's & 1 C

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ART DEPARTMENT

COURSE SEQUENCE



ART DEPARTMENT

COURSE OFFERINGS

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: College Preparatory

Semester
2.5 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.**

Fashion and Interior Design I (Grade: 9-12)
Course Weight: College Preparatory

Semester
2.5Credits

This course offers students an opportunity to explore the art of Fashion and Interior Design. Students will work on building a portfolio of 2 and 3 dimensional designs using basic elements and principles of art and design. Students will become familiar with garment and clothing details, basic figure and technical drawings, symbols used by interior designers, fabric and color choices, and terminology used by designers in the fashion and interior design industries. Students will be introduced to color theory and creating color schemes to be used when developing their own designs and collections. They will experiment with a variety of mediums including pencils, colored pencils, pens, studio markers, watercolors, patterns and fabric, paint, polytab fabric, basic sewing materials, and more. Students will also be studying and critiquing current fashion and interior design trends, the history of these designs, as well as careers in these fields. **This course counts toward the graduation requirement for Visual and Performing Arts.**

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Fashion and Interior Design II (Grade: 9-12)

Course Weight: College Preparatory

Prerequisite: Successful completion of Fashion and Interior Design I

Semester

2.5Credits

This course is a continuation of Fashion & Interior Design I. In this course students will continue to learn Fashion and Interior Design concepts through Career based projects that reflect real world Fashion and Interior Design industry creations. Students will further their drawing skills, create digital fashion and Interior Designs, and learn how to run a fashion show. They will also create accessories, work on set and costume design as well as constructing 3D Interior Design structures. They will end the course by learning how to work with textiles and further their sewing skills while keeping a portfolio of their work for college and career readiness. **This course counts toward the graduation requirement for Visual and Performing Arts and 21st Century Life and Careers.**

Ceramics I (Grade: 10–12)

Course Weight: College Preparatory

Semester

2.5 Credits

Methods and processes of forming clay are presented with direct experiences in hand building and modeling clay. 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: 10–12)

Course Weight: College Preparatory

Prerequisite: Successful completion of Ceramics I

Semester

2.5 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.**

Advanced Ceramics (Grade: 11–12)

Course Weight: College Prep-Advance (CP-ADV)

Prerequisite: Successful completion of Ceramics I & II

Full Year

5 Credits

This course is designed for students who would like to further develop their ceramic skills through hand building and wheel throwing. Students will review the principles learned in Ceramics 1 & 2 and build upon the techniques and skills already learned along with a new skill of wheel throwing on the pottery wheel. Students will establish their own interests and develop a personal style as a ceramicist. Students will build a more advanced understanding of 3D form, advanced ceramic techniques, hand building skills, the pottery wheel, new sculpture tools & techniques, and advanced glazing techniques. They will be able to design and construct advanced work suitable for exhibits and competitions. **This course counts toward the graduation requirement for Visual and Performing Arts.**

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Introduction to Graphic and Communication Design (Grades: 9-12)
Course Weight: College Preparatory

Semester
2.5 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.**

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

Semester
2.5 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.**

Advanced Computer Design (Grade: 9 -12)
Course Weight: College Prep-Advance (CP-ADV)
Prerequisite: Successful completion of Introduction to Computer Design

Semester
2.5Credits

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.**

New Media Art (Grade 10 - 12)
Course Weight: College Preparatory

Semester
2.5Credits

This course is designed to give students the opportunity to explore using 3D printers and additional emerging technologies as a new medium of art. Students taking this course will create original and exciting artworks utilizing a combination of various technology related equipment, 3D printed objects, as well as traditional art materials and techniques. As part of this course, students will also discover how 3D printing and other new developments in technology have impacted the artist's production process and collections of art museums all over the world. **This course counts toward the graduation requirement for Visual and Performing Arts.**

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Introduction to Digital Photography (Grade: 10-12)
Course Weight: College Preparatory

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.**

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

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, outdoor chalk art, 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.**

2D and 3D Design (Grade: 10–12)
Course Weight: College Preparatory

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, acrylics, sculpture, clay, metal, fibers, 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 Preparatory

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.**



Studio Art (Grade: 11-12)

Course Weight: College Prep-Advance (CP-ADV)

Prerequisite: 2D and 3D Design or Drawing and Painting Workshop, and a teacher recommendation

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: 12)

Course Weight: Honors

Prerequisite: Studio Art and a teacher recommendation

Full Year

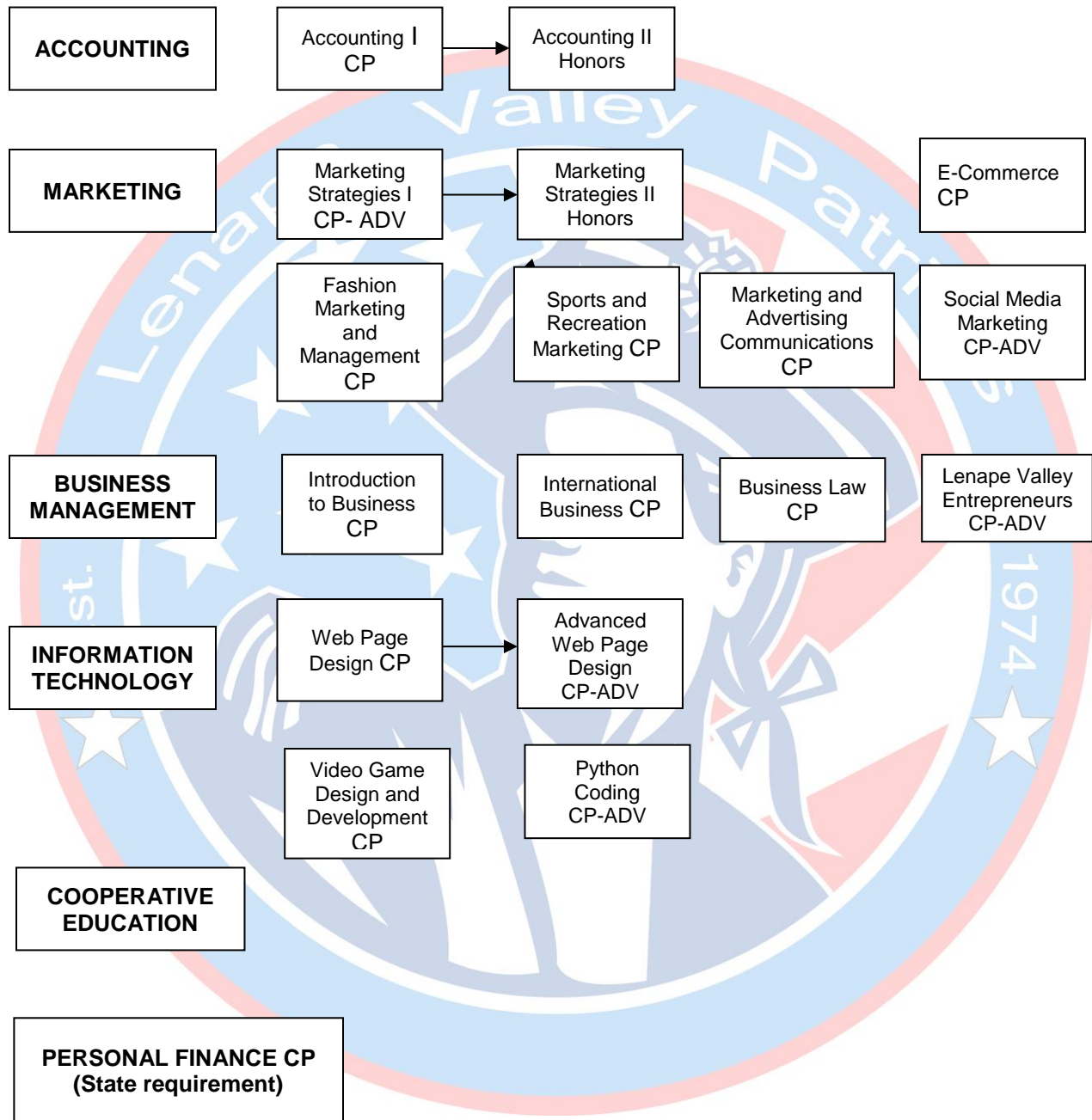
5 Credits

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.**



BUSINESS AND INFORMATION TECHNOLOGY DEPARTMENT

COURSE SEQUENCE



BUSINESS AND INFORMATION TECHNOLOGY DEPARTMENT

COURSE OFFERINGS

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.
- Opportunity to apply business and information technology from classroom learning to practical applications such as DECA and FBLA regional, state and national competitive events.

Freshmen Seminar (Grade: 9)
Course Weight: College Prep

Semester
2.5 Credits

This course is designed to help freshmen transition into high school life successfully. It provides them with new opportunities for academic enrichment and assistance, as well as the chance to improve on already learned skills. The following units of study will be covered: strategies that empower students to be more organized, more confident, and more successful in school; public speaking and communication; Google Apps for Education and the Media Center databases. **This course counts towards the graduation requirement for 21st Century Life and Careers.**

Personal Finance (Grade: 10-12)
Course Weight: College Preparatory

Semester
2.5 Credits

This course will inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and saving accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence. **This course satisfies the graduation requirement for 21st Century Life and Careers and Financial Literacy.**



Personal Finance Option 2 (Grade: 10-12)

Course Weight: This course will not be weighted into the GPA

Prerequisite: Enrollment contingent upon administrative approval.

Semester

2.5Credits

Students who desire to do so may enroll in Personal Finance through the on-line provider Educere at their own expense. Students who successfully complete this course will be awarded 2.5credits towards graduation on their transcript, but like other on-line courses it will not be factored into the GPA. **This course satisfies the graduation requirement for 21st Century Life and Careers and Financial Literacy.**

Web Page Design (Grades: 9-12)

Course Weight: College Preparatory

Semester

2.5 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 Dreamweaver, in the Adobe CS6 suite. Course content is sufficiently flexible to accommodate the rapid changes in technology. **This course counts towards the graduation requirement for 21st Century Life and Careers.**

Advanced Web Page Design (Grades: 9-12)

Weight: College Prep-Advance (CP-ADV)

Prerequisite: Successful completion of Web Page Design

Semester

2.5 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 Dreamweaver, within the Adobe CS6 software package. **This course counts towards the graduation requirement for 21st Century Life and Careers.**

Video Game Design and Development (Grades: 9-12)

Course Weight: College Preparatory

Semester

2.5 Credits

This course is designed to give students a sense of design and art, plus the technical know-how to build an exciting video game. It is an appropriate starting point for students who seek a professional career as a game developer. It is also well-suited for enthusiastic amateurs and gamers looking to explore this exciting field. No prior game or graphics programming experience is necessary. Students work with a game engine software framework to design and implement several kinds of games. Additional topics include animation techniques, physics simulation, user controls, graphical methods, and intelligent behaviors. The course includes a final project. **This course counts towards the graduation requirement for 21st Century Life and Careers.**

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Python Coding (Grades: 10-12)
Course Weight: College Prep-Advance (CP-ADV)

Full Year
5 Credits

This course is designed to offer a computer language within the computer science realm. Students will learn aspects of computer programming along with computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems. This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science. The course allows students to work independently in text-based Python. The course also includes a career focus, where at the end of units, students meet (via videos) individuals from different industries who work in coding (medicine, music, etc.). This course counts towards the graduation requirement for 21st Century Life and Careers.

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

Semester
2.5 Credits

Students are provided with an introduction to business, including supply and 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 21st Century Life and Careers. This course may also be taken as a concurrent course with Sussex County Community College. The Sussex County Community College concurrent course equivalent is BUSA101 Introduction to Business.**

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

Semester
2.5 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 21st Century Life and Careers.**

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

Semester
2.5 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 21st Century Life and Careers.**

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

Semester
2.5 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 and mobile marketing sales applications. 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 and applications are managed, and explore how they can complement an existing business infrastructure. **This course counts towards the graduation requirement for 21st Century Life and Careers.**

Lenape Valley Entrepreneurs (Grades: 11-12)
Course Weight: College Prep-Advance (CP-ADV)

Semester
2.5 Credits

Prerequisite: Successful completion of at least one of the following courses: Accounting 1, Sports and Recreation Marketing, Marketing Strategies 1, Intro. to Business, International Business, Web Page Design, Marketing and Advertising Communications, Video Editing and Multimedia, Business Law, E-Commerce, or Social Media Marketing.

This course is designed to simulate a business that imitates the real world. The business is created by students and functions like a real company. Students interact with other high school and college classes that have their own established businesses to exchange products and services. Money transactions are simulated through a bank run by the International Business Firm at Mercer County Community College. Students in this class will incorporate their business, write mission and vision statements, conduct market and product research, analyze financial needs, and make financial projections. They will develop organizational procedures and processes and develop advertising and promotional materials for their company. **This course counts towards the graduation requirement for 21st Century Life and Careers.**

Accounting I (Grades: 9-12)
Course Weight: College Preparatory

Full Year
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 21st Century Life and Careers.**

Accounting II Honors (Grades: 10-12)

Full Year
5 Credits

Course Weight: Honors

Prerequisite: Successful completion of Accounting I.

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. **This course counts towards the graduation requirement for 21st Century Life and Careers.**

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Fashion Marketing and Management (Grades: 9-12)
Course Weight: College Preparatory

Semester
2.5 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 21st Century Life and Careers.**

Sports and Recreation Marketing (Grades: 9-12)
Course Weight: College Preparatory

Semester
2.5 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) and/or FBLA (Future Business Leaders of America) is suggested in this course. **This course counts towards the graduation requirement for 21st Century Life and Careers.**

Marketing and Advertising Communications (Grades: 9-12)
Course Weight: College Preparatory

Semester
2.5 Credits

Marketing & Advertising Communications provides a look at what marketing is, how it is carried out successfully, and what factors continue to shape how it influences businesses and consumers. This digital courseware deals with the core elements of marketing--the 4 Ps of product, promotion, place, and price--as well as ethics, identifying target audiences, and understanding consumer behavior. Additional topics covered include positioning, branding, personal branding, digital marketing, social media marketing, components of a marketing plan, and how to create one. In addition, expert session video lectures bring industry perspective into the classroom. The recorded sessions, each from a business professional, connect to course concepts. Mimic Social is a marketing simulation used in this course that engages students in real-world decisions and outcomes based on social media marketing decisions. Mimic social provides two rounds of digital marketing experience allowing the students to broaden their understanding of how digital marketing works. **This course counts towards the graduation requirement for 21st Century Life and Careers.**

Social Media Marketing (Grades: 11-12)
Course Weight: College Prep-Advance (CP-ADV)

Semester
2.5 Credits

The importance of social media for businesses and organizations is no longer questioned, it has become a worldwide trend allowing for businesses and organizations to connect and engage with customers. The Social Media Marketing course will cover the concepts and applications of social media marketing and will equip students with the necessary skills to plan and implement a successful social media marketing strategy. **This course counts towards the graduation requirement for 21st Century Life and Careers. This course may also be taken as a concurrent course with Sussex County Community College. The Sussex County Community College concurrent course equivalent is GRAD109 Introduction to Digital Marketing.**

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Marketing Strategies I (Grades: 10-12)

Weight: College Prep-Adv (CP-ADV)

Full Year

5 Credits

Prerequisites: The Class of 2027 and beyond, must demonstrate successful completion of Intro to Business to enroll. Older classes may enroll with no prerequisite.

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 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 21st Century Life and Careers.**

Marketing Strategies II Honors (Grades: 11-12)

Course Weight: Honors

Full Year

5 Credits

Prerequisite: Prerequisites: The Class of 2027 and beyond, must demonstrate successful completion of Marketing Strategies I to enroll. Older classes may enroll with no prerequisite, but they will not be eligible for concurrent enrollment if they do not complete Intro to Business concurrent prior to enrolling in this course.

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. **This course counts towards the graduation requirement for 21st Century Life and Careers. This course may also be taken as a concurrent course with Sussex County Community College. The Sussex County Community College concurrent course equivalent is BUSA220 Principles of Marketing; Introduction to Business concurrent is a prerequisite to this concurrent course.**



Deadline for applications is March 15th.

Cooperative education is a structured method of combining classroom-based education with practical work experience. A cooperative education experience, commonly known as “co-op”, provides academic credit for structured job experience. Cooperative education is taking on new importance in helping young people to make the school-to-work, service, and experiential learning initiatives. By combining classroom experience with work experience, students are able to make informed career decisions and interact with professionals in their field.

Included in the career preparation area are job searching, resumes, understanding paychecks, dealing with different bosses and co-workers, how to work as part of a team, workplace communications, worker accountability and productivity, safety in the workplace, and ethics in the workplace.

The 20 total credits that compose the Cooperative Education experience consists of one 5-credit Cooperative Education Course and one 15-credit work experience.

Program requirements:

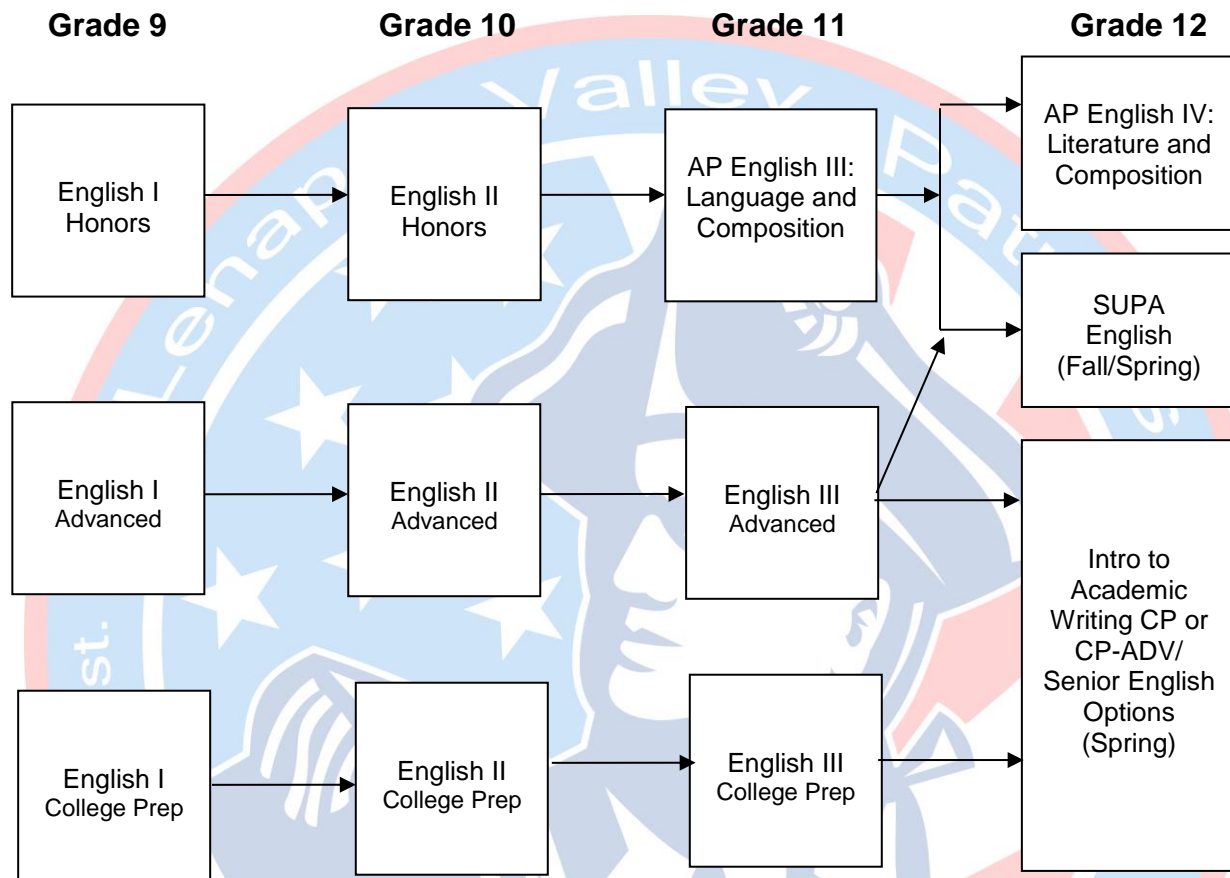
- Students must be seniors who are at least 16 years of age.
- Students must obtain a signed permission form from the parents/guardians to participate.
- Students must work a minimum of 15-18 hours per week to satisfy release from school for cooperative education
- Students selected for this course shall have exhibited traits of good grades, good citizenship, and attendance and are subject to the approval of the coordinator and administration
- Employment must be secured within two weeks after the start of school
- Students would be required to provide their own transportation
- The following jobs are prohibited:
 - Pumping gas
 - Delivery jobs
 - Out of state employment
 - Serving alcohol
- Participation in DECA (Distributive Education Clubs of America) is suggested in this course.

Successful completion of the course provides the student with 15 credits for the year. Loss of employment that results in unemployment for a cumulative period that totals more than five weeks will result in a loss of credit for the program. **This course counts towards the graduation requirement for 21st Century Life and Careers.**



ENGLISH DEPARTMENT

COURSE SEQUENCE



*** Each year, students may move between levels based on teacher recommendations, student academic performance history, and student/parent request.

Electives

Dramatics I CP
Dramatics II CP-ADV
Film Studies CP
Screen Writing CP-ADV
Writing for the Media CP
Communications CP

Senior English Options (Spring)

Modern Fiction CP
Short Story Adapted to Film CP
Myth in the Modern World CP- ADV
Creative Writing: Fiction and Poetry CP-ADV



ENGLISH DEPARTMENT

COURSE OFFERINGS

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 NJGPA 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 three 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
Prerequisite: Teacher recommendation.

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 Advanced (Grade: 9)
Course Weight: College Prep-Advance (CP-ADV)
Prerequisite: Teacher recommendation.

Full Year
5 Credits

English I Advanced 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), composition (the writing process), and public speaking.

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

Full Year
5 Credits

English I CP is a year-long required survey course that provides the necessary supports and appropriate pacing/depth for its students as they explore the different types of literature (short story, novels, drama, poetry), the study of language (grammar, usage and mechanics), composition (the writing process), and public speaking.

English II Honors (Grade: 10)

Course Weight: Honors

Full Year
5 Credits

Prerequisite: Successful completion of English I Honors or CP-ADV and teacher 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 Advanced (Grade: 10)

Course Weight: College Prep-Advance (CP-ADV)

Full Year
5 Credits

Prerequisite: Successful completion of English I and teacher recommendation.

English II College Prep Advanced is organized around a chronological study of American Literature. In each period of development, students read and respond to literature, read corresponding non-fiction texts such as essays, journals, speeches, political cartoons, and memoirs, and study historical background. Using the writing process, students write for a variety of purposes and audiences, complete research/writing assignments, and participate in oral presentations.

English II College Prep (Grade: 10)

Course Weight: College Preparatory

Full Year
5 Credits

Prerequisite: Successful completion of English I CP and teacher recommendation.

English II College Prep is a year-long required survey course that provides the necessary supports and appropriate pacing/depth for its students. Students will complete a chronological study of American Literature by reading and responding to literature, reading corresponding non-fiction texts such as essays, journals, speeches, political cartoons, and memoirs, and studying historical background. Using the writing process, students write for a variety of purposes and audiences, complete research/writing assignments, and participate in oral presentations.

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English III AP ENGLISH LANGUAGE AND COMPOSITION (Grade: 11)

Course Weight: Advanced Placement

Full year

5 Credits

Prerequisite: Successful completion of English II Honors or English II CP-ADV and teacher recommendation.

Advanced Placement English Language and Composition is a college-level non-fiction writing course open to juniors. Students are required to analyze a variety of classic and contemporary non-fiction texts, including memoirs, essays, editorials, letters, speeches, and visual texts such as editorial cartoons, with the goal of understanding the writer's craft. Some imaginative literature is used, but the emphasis remains on the writer's craft rather than on literary analysis. Students develop sophistication in their writing of non-fiction, beginning with memoir and personal essay and moving to argument, including argument that requires synthesizing sources. The structure of the course follows two threads simultaneously: students read texts related to a theme, while at the same time, they thoroughly explore the craft of writing as they develop their own pieces, many of which emerge from self-generated topics. **Students enrolled in this course are expected to take the Advanced Placement English Language and Composition Examination. This course may also be taken as a concurrent course with Sussex County Community College. The Sussex County Community College concurrent course equivalent is ENG101 English Composition 1.**

English III Advanced (Grade: 11)

Course Weight: College Prep-Advanced (CP-ADV)

Full year

5 Credits

Prerequisite: Successful completion of English II and teacher recommendation.

World Literature is a college-prep level course in which students will explore, through various mediums, the shared experiences of the human condition amid a diverse landscape of authors, perspectives, locations and time periods. As the units' titles suggest, this exploration will invite students to identify their own place in the world, the values and motives that define them, and the domestic, local, and global challenges that they face growing up. Students will develop reading, writing, speaking, listening and language skills specific to the academic world and more broadly to the world at large. Additionally, the readings will be used to motivate discussion, written and oral expression, and critical understanding of ideas. Successful completion of this course will earn the student five credits towards the English requirement for graduation.

English III College Prep (Grade: 11)

Course Weight: College Preparatory

Full year

5 Credits

Prerequisite: Successful completion of English II and teacher recommendation

World Literature is a year-long required survey course that provides the necessary supports and appropriate pacing/depth for students to explore, through various mediums, the shared experiences of the human condition amid a diverse landscape of authors, perspectives, locations and time periods. As the units' titles suggest, this exploration will invite students to identify their own place in the world, the values and motives that define them, and the domestic, local, and global challenges that they face growing up. Students will develop reading, writing, speaking, listening and language skills specific to the academic world and more broadly to the world at large. Additionally, the readings will be used to motivate discussion, written and oral expression, and critical understanding of ideas. Successful completion of this course will earn the student five credits towards the English requirement for graduation.

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Senior Year English IV (Option 1): Advanced Placement English

Advanced Placement English Literature and Composition (Grade: 12)

Course Weight: Advanced Placement

Full Year

5 Credits

Prerequisite: Successful completion of AP English Language and Composition or English III College Prep-Advanced and teacher recommendation.

Advanced Placement English Literature and gives students the opportunity to read, analyze and criticize literature as art. Genre, archetype, theme and style are explored through diverse literature representing a variety of cultures, ethnicities, time periods, and sub-genres. In this rigorous course, students are expected to complete college-level readings, create analytical writing assignments, and engage in academic discussions. **Students enrolled in this course are expected to take the Advanced Placement English Literature and Composition Examination.**

Senior Year English IV (Option 2): Syracuse University Project Advance (SUPA) English

Two Semester Courses:

Prerequisite: Successful completion of AP English Language and Composition or English III College Prep-Advanced and teacher recommendation.

Syracuse University Project Advance is a cooperative program with Syracuse University that allows high school students to enroll in Syracuse University courses. The Project Advance program enables high school students to gauge their ability to do college work prior to full-time college enrollment. Students who enroll in a SUPA course pay a fee which allows them, upon successful completion of the course, (a grade of "c" or better), to earn a maximum of 3 college credits for each course from Syracuse University. Upon successful completion of a Syracuse University course, students are awarded SU transcripts that record credits earned. Courses should not be taken independently; Students should enroll in both of these courses to satisfy their senior English graduation requirement. Students enrolled in these courses **MUST** participate in the concurrent program through Syracuse University.

Practices of Academic Writing (Grade 12)

Course Weight: Advanced Placement

Semester Year

2.5 Credits

3 College Credits

This course teaches students strategies of critical academic writing in various genres, including analysis, argument, and researched writing. The course challenges students to understand that effective communication requires people to be aware of the complex factors that shape every rhetorical context, including issues of power, history, difference, and community; and that writing as a process involves reflection and revision. This writing course is a site of active learning where students have responsibility for their own progress and for that of their peers. Students write formal papers for each major unit, in addition to various informal writing assignments and a culminating portfolio. **This course MUST be taken as a concurrent course through Syracuse University.**

Writing Culture: Introduction to Creative Nonfiction (Grade 12)

Course Weight: Advanced Placement

Semester

2.5 Credits

Prerequisite: Successful completion of Practices of Academic Writing

3 College Credits

This course allows students to experiment with creative writing in a nonfiction context. Students will read and critically reflect on varieties of creative nonfiction, such as memoir; biography; the personal essay; travel, science, and food writing; and "new journalism." Creative nonfiction borrows elements from fiction and poetry yet still aims to tell the truth. Students will have the opportunity to experiment with style, genre, and subject in a writing studio environment where they will write frequently and engage in researched writing projects of their own. **This course MUST be taken as a concurrent course through Syracuse University.**

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Senior Year English IV (Option 3):

Taken in the fall of senior year, all seniors not enrolled in Practices of Academic Writing or AP English Literature and Composition must take either level of the following semester course.

Introduction to Academic Writing Advanced (Grade: 12)

Course Weight: College Prep-Advanced (CP-ADV)

Prerequisite: Successful completion of English III and teacher recommendation.

Semester

2.5 Credits

This course introduces students to various strategies of academic writing in multiple genres, including analysis, argument, and researched writing. The course requires students to investigate specific topics of inquiry and understand that effective writing is a process that involves reflection and revision. This writing course will use a workshop format where students have responsibility for their own progress as well as the progress of their peers. Students write formal papers for each major unit, in addition to various informal writing assignments and a culminating portfolio.

Introduction to Academic Writing (Grade: 12)

Course Weight: College Prep

Prerequisite: Successful completion of English III

Semester

2.5 Credits

This is a semester-long required survey course that provides the necessary supports and appropriate pacing/depth while students explore various strategies of academic writing in multiple genres, including analysis, argument, and researched writing. The course requires students to investigate specific topics of inquiry and understand that effective writing is a process that involves reflection and revision. This writing course will use a workshop format where students have responsibility for their own progress as well as the progress of their peers. Students write formal papers for each major unit, in addition to various informal writing assignments and a culminating portfolio.

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

Myth in the Modern World College Prep (Grade: 12)

Course Weight: College Preparatory-Advanced (CP-ADV)

Semester

2.5 Credits

Myth in the Modern World 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.

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Modern Fiction College Prep (Grade: 12)
Course Weight: College Prep

Semester
2.5 Credits

Plays and short stories 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.

The Short Story Adapted to Film College Prep (Grade: 12)
Course Weight: College Preparatory (CP)

Semester
2.5 Credits

Many of film's finest achievements have their origins in the genre of the short story. The Short Story Adapted to Film 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 genres. 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.

Creative Writing: Fiction and Poetry (Grades: 11-12)
Course Weight: College Preparatory-Advanced (CP-ADV)

Semester
2.5 Credits

Creative Writing: Fiction and Poetry only satisfies an English graduation requirement when taken in the senior year. This course counts as an elective when taken in the junior year and satisfies a Visual and Performing Arts requirement. This course introduces students to the essential elements of writing fiction and poetry. Students will read and study the works of classic and contemporary masters in order to craft their own original creations. Students will participate in collegiate-style writing workshops and learn the business of creative writing, including the world of literary magazine publishing. This course will ultimately enable students to publish their work in the school's literary magazine *Mind Carpenter*, as well as professional publications and contests. **This course counts toward the graduation requirement for Visual and Performing Arts. This course may be taken as a concurrent course with Sussex County Community College. The Sussex County Community College concurrent course equivalent is ENGL220 Creative Writing; English III AP English Language and Composition concurrent is a prerequisite to this concurrent course.**



ELECTIVES

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

Communications (Grades: 10-12)
Course Weight: College Preparatory

Semester
2.5 Credits

Communications will help students understand basic communication principles and improve their oral communication skills. Students will prepare, select, organize, and deliver oral messages, as well as analyze and evaluate the speaking-listening process in a variety of settings. **This course counts toward the graduation requirement for Visual and Performing Arts and 21st Century Life and Careers. This course may also be taken as a concurrent course with Sussex County Community College. The Sussex County Community College concurrent course equivalent is ENGL201 Effective Speaking.**

Dramatics I (Grades: 9-12)
Course Weight: College Preparatory

Semester
2.5 Credits

Dramatics 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 Visual and Performing Arts.**

Dramatics II (Grades: 9-12)
Course Weight: College Preparatory – Advanced (CP-ADV)
Prerequisite: Successful completion of Dramatics I.

Semester
2.5 Credits

Dramatics II 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.**

Film Studies (Grades: 10-12)
Course Weight: College Preparatory

Semester
2.5 Credits

Film Studies 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. **This course counts toward the graduation requirement for Visual and Performing Arts.**



Screenwriting (Grades: 11-12)
Course Weight: College Preparatory – Advanced (CP-ADV)
Prerequisite: Successful completion of Film Studies

Semester
2.5 Credits

The purpose of this course is to study the major elements of film that play a significant role in writing a screenplay. After studying the basic elements of film genre in Film Studies, students will analyze the plot structure of dramatic and comedic screenplays, evaluate the importance of dialogue in character development, and examine the significance of expressive visual elements like set location, costuming, and lighting in Screenwriting. In this writing-intensive course, students will participate in all stages of the creative writing process of developing memorable characters and dramatic/comedic moments in a storyline while composing their own original screenplays. Students will be encouraged to submit their original screenplays to various writing contests. **This course counts toward the graduation requirement for Visual and Performing Arts.**

Writing for the Media (Grades: 9-12)
Course Weight: College Preparatory

Semester
2.5 Credits

Writing for the Media is intended to introduce students to contemporary journalistic practices when writing for mass media, including but not limited to print news, news media/broadcasting, blogging, and social media content creation. Students will learn about the function and operation of print and on-line news media with a focus on accuracy, clarity, precision, and efficiency. Issues and concepts such as media ethics, the importance of practicing responsible journalism, and the impact of global communications will be explored through research projects and films like *The Social Dilemma* (2020) and *Shattered Glass* (2003). Students will engage in all facets of the writing process, including writing, critiquing, editing and revising, with the ultimate goal of becoming more effective writers and readers of media messages. **This course counts towards the graduation requirement for 21st Century Life and Careers.**

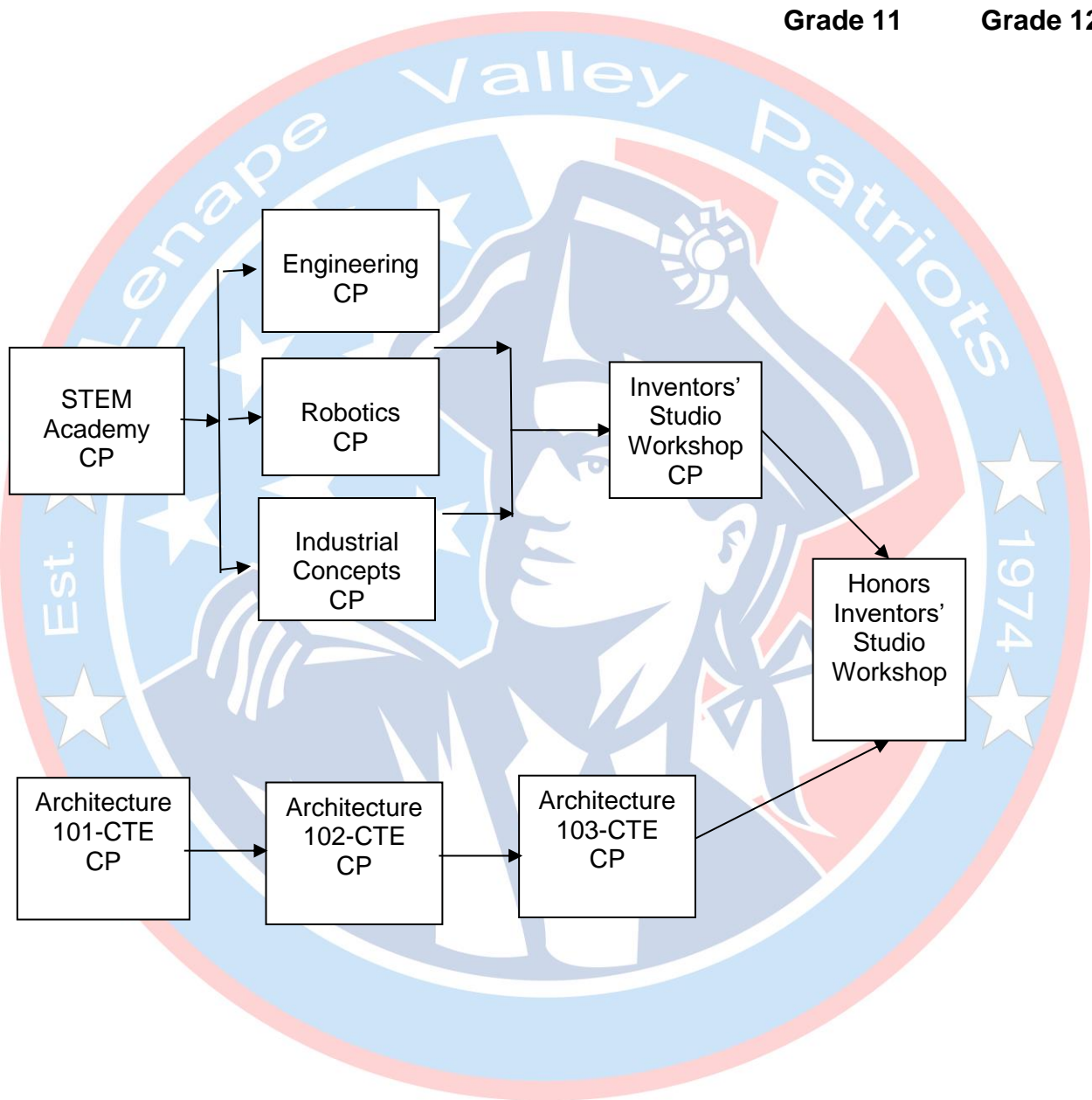


INDUSTRIAL TECHNOLOGY DEPARTMENT

COURSE SEQUENCE

Grade 11

Grade 12



INDUSTRIAL TECHNOLOGY DEPARTMENT

COURSE OFFERINGS

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.

STEM Academy (Grades: 9-12)
Course Weight: College Prep

Semester
2.5 Credits

STEM Academy is a course that is designed to expose students to a variety of concepts and skills. This course will provide students with an opportunity to discover and explore their own interests. **This course counts toward the graduation requirement for 21st Century Life and Careers.**

Engineering (Grades: 10-12)
Course Weight: College Preparatory
Prerequisite: Successful completion of STEM Academy

Semester
2.5 Credits

This class is dedicated to problem solving and learning through hands-on activities. In this course you learn about how engineers design, plan and build projects using the foundation gained in STEM Academy. Students will be exposed to new software, machinery, and equipment that they will use for conceptualization, analysis, synthesis, testing, and documentation of their projects. This class is a great way to decide whether the engineering path is right for you. **This counts toward the graduation requirement for Technical Literacy and 21st Century Life and Careers.**

Robotics (Grades: 10-12)
Course Weight: College Preparatory
Prerequisite: Successful completion of STEM Academy

Semester
2.5 Credits

Robotics is a lab-based course that uses a hands-on approach to introduce the basic concepts engineering, mechanics, physics, electronics, and programming. Teams of students will be responsible for the design and construction of virtual robots as well as physical robots based on the EV3 Mindstorms System and VEX RobotC systems. Career opportunities in science, technology, engineering and math (STEM) will be investigated. Robotics can foster problem-solving skills, communication skills, teamwork skills, independence, imagination, and creativity. **This counts toward the graduation requirement for Technical Literacy and 21st Century Life and Careers.**

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Industrial Concepts (Grade: 9-12)
Course Weight: College Preparatory
Prerequisite: Successful completion of STEM Academy

Semester
2½ Credits

Industrial Concepts is a unit-based course that will expose students to 9 different manufacturing skills specifically designed by Festo Industries to provide real world experiences. **This course counts toward the graduation requirement for 21st Century Life and Careers.**

Architecture 101 CTE (Grades: 9-12)
Course Weight: College Preparatory

Semester
2.5 Credits

This course will serve as a foundation for architectural design and is the first class in the Architecture CTE path. Students will be taken through the entire design process, from conceptual sketching, to diagramming, to creating models. They will be introduced to basic design principles that determine form and function and will apply these principles using industry standard professional software, such as Autodesk Design Suite. Projects will culminate in conceptual intent presentations in which students will enhance their communication skills and professional knowledge. **This course counts toward the graduation requirement for 21st Century Life and Careers. This course may also be taken as a concurrent course with Sussex County Community College. The Sussex County Community College concurrent course equivalent is BCST112 Print Reading and Sketching.**

Architecture 102 CTE (Grades: 9-12)
Course Weight: College Preparatory
Prerequisite: Successful completion of Architecture 101 CTE.

Semester
2.5 Credits

In this second course of the Architecture CTE path, students will expand upon the techniques and methodologies gained in Arch101. The site is the potential physical generator of architectural form, and methods of site survey, analysis, and research will be introduced to demonstrate this concept. Students will use full Building Information Modeling (BIM) software to generate comprehensive architectural design projects and will learn to work and present collaboratively in design teams. In addition, the relationship between architecture and the environment will be examined, with an emphasis on site considerations, construction implications, and sustainability. **This course counts toward the graduation requirement for 21st Century Life and Careers.**

Architecture 103 CTE (Grades:10-12)
Course Weight: College Preparatory
Prerequisite: Successful completion of Architecture 101CTE and 102 CTE.

Semester
2.5 Credits

In this final course of the Architecture CTE path, significant structures from around the world will be analyzed and studied, offering a global perspective and appreciation for diversity in architectural design. Students will learn about the legal, social, and cultural implications of the historic and contemporary structures studied and will also extend upon their design knowledge to incorporate an understanding of the building process. Their software capabilities will continue to grow through the use of the Adobe Creative Suite. In culmination, students will design a comprehensive professional portfolio containing the work completed throughout the CTE Architecture Program. **This course counts toward the graduation requirement for 21st Century Life and Careers.**

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Inventors' Studio Workshop (Grade: 11-12)

Course Weight: College Preparatory

Prerequisite: Students must complete all four STEM, Engineering, Robotics, and Industrial Concepts courses in any sequence.

Full Year

5 Credits

This is the precursor course to our Inventors Studio Workshop Honors students. This course is the introduction to a college level design studio. While directed and guided by the instructor, Students will be exposed to state level competitions and the beginning of college level problem solving. Students will begin to focus on areas of interest, but still have the freedom to explore other STEM disciplines. By the end of this course, students will present a comprehensive solution that will include sketches, working drawings, presentation diagrams, and a physical model. Students will also be welcome to use the equipment in our STEM Lab. This will give them the opportunity to try equipment that they may have not tried before. Students in this class will be encouraged to compete at a state level in a STEM event. Software will include AutoCAD, Inventor, Solidworks, Photoshop, and Illustrator. **This course counts toward the graduation requirement for 21st Century Life and Careers.**

Honors Inventors' Studio Workshop (Grade: 11-12)

Course Weight: Honors

Prerequisite: Inventors' Studio Workshop or Architecture CTE 1-3 in sequence

Full Year

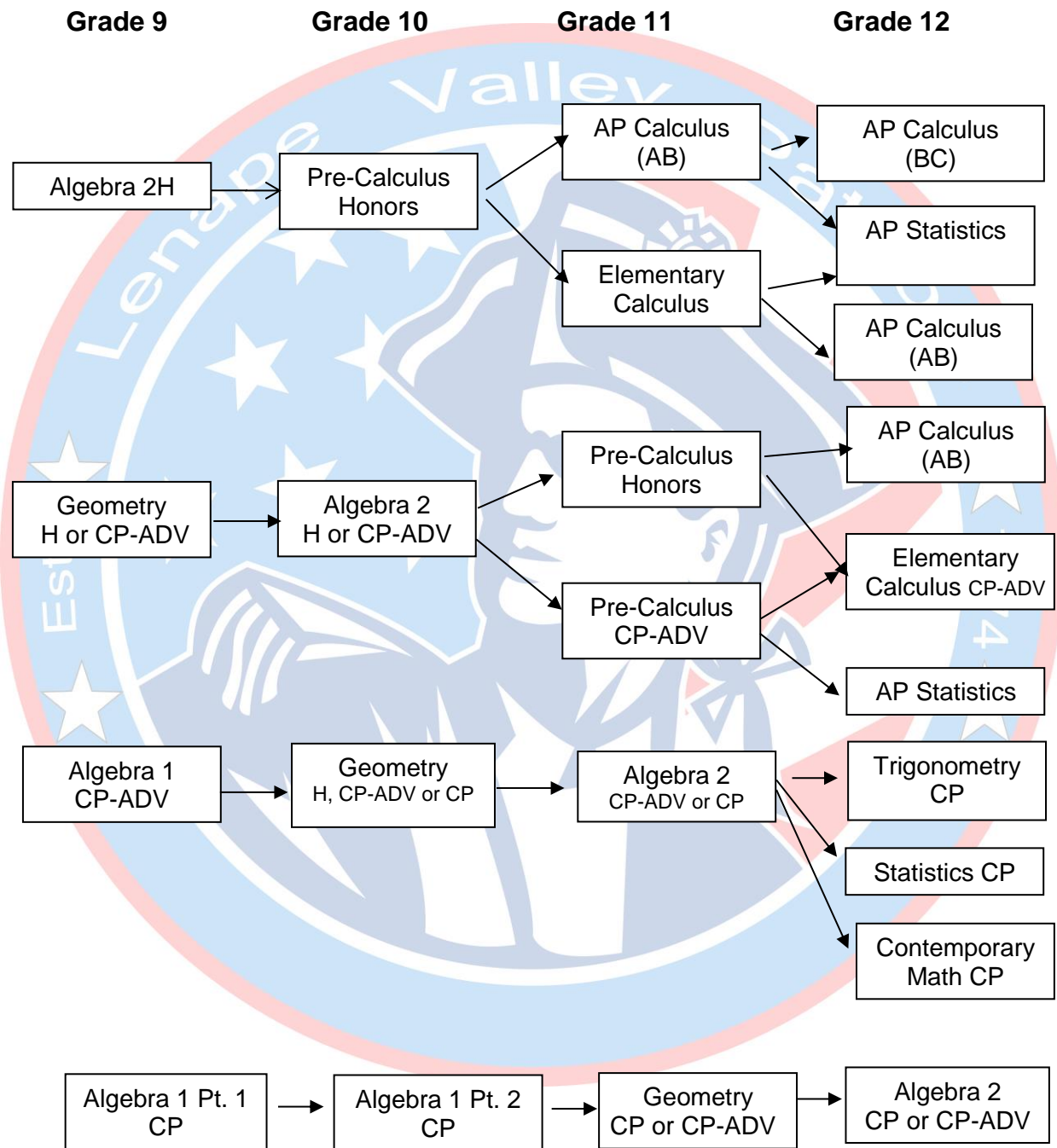
5 Credits

This is the honors capstone course for our Inventors Studio students. This course is structured as a college level studio in order to prepare and ease our students into their future. Students will be challenged with design problems that relate to their area of focus. They will also have the freedom to explore a problem of their choosing and present a comprehensive solution that will include sketches, working drawings, presentation diagrams, and a physical model. Students will also be welcome to use all of the equipment in our STEM Lab to create and innovate solutions, projects, and models. Students in this class will be encouraged to compete at the state level in a STEM event. Software will include AutoCAD Inventor Solidworks Photoshop, and Illustrator. **This course counts toward the graduation requirement for 21st Century Life and Careers.**



MATHEMATICS DEPARTMENT

COURSE SEQUENCE



MATHEMATICS DEPARTMENT

COURSE OFFERINGS

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. If a student fails a mathematics course they must attend summer school in order to graduate on time with their class. The department recommends that students planning to major in mathematics, the sciences or engineering in college complete a rigorous four-year sequence.

Algebra 1 Advanced (Grade: 9)

Course Weight: College Preparatory - Advanced (CP-ADV)

Prerequisite: Teacher recommendation.

Full Year

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: variables, the real number system, functions, linear equations, linear inequalities, graphs in the coordinate plane, systems of equations and inequalities in two variables, exponents, quadratic equations, polynomials, special products and factoring.

Algebra 1 Part 1 CP (Grade: 9 or first-year)

Course Weight: College Preparatory

Full Year

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 in depth and at a slower pace than Algebra 1 Advanced: variables, the real number system, functions, solving and graphing linear equations, solving linear inequalities, graphs of linear functions in the coordinate plane, systems of equations and inequalities in two variables, exponential functions and sequences will be introduced.

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Algebra 1 Part 2 CP (Grade: 10 or second-year)
Course Weight: College Preparatory
Prerequisite: Successful completion of Algebra I Part 1 CP.

Full Year
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 begin the year by reviewing the following topics from Algebra 1 CP Part 1: variables, the real number system, functions, solving and graphing linear equations, solving linear inequalities, graphs of linear functions in the coordinate plane, systems of equations and inequalities in two variables, exponential functions and sequences. After this review, the topics will be expanded to polynomial equations and factoring, graphing quadratic functions, solving quadratic equations and radical functions and equations.

Geometry Honors (Grades: 9–10)

Course Weight: Honors

Prerequisite: Successful completion of Algebra I CP-ADV and teacher recommendation.

Full Year
5 Credits

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 Advanced (Grades: 9-11)

Course Weight: College Preparatory-Advanced

Prerequisite: Successful completion of Algebra I (Part 1 & 2 CP or CP-ADV, and teacher recommendation.

Full Year
5 Credits

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 develop 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.

Geometry CP (Grades: 10-11)

Course Weight: College Preparatory

Prerequisite: Successful completion of Algebra I.

Full Year
5 Credits

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 develop 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. This course will have a decreased emphasis on formal proofs.



Algebra 2 Honors (Grades: 9–10)

Course Weight: Honors

Full Year

5 Credits

Prerequisite: Successful completion of Algebra I, and Geometry Honors or Geometry, and teacher recommendation.

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 2 Advanced (Grades: 10–11)

Course Weight: College Preparatory - Advanced (CP-ADV)

Full Year

5 Credits

Prerequisite: Successful completion of Algebra I, Geometry, and teacher recommendation. Students may not enroll in Algebra 2 Advanced until they have successfully completed Algebra 1 Advanced or Algebra 1 Part 1 and Algebra 1 Part 2 CP.

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, radical functions, rational equations 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 2 CP (Grades: 11-12)

Course Weight: College Preparatory

Full Year

5 Credits

Prerequisite: Successful completion of Algebra I and Geometry. Students may not enroll in Algebra 2 CP until they have successfully completed Algebra 1 Advanced or Algebra 1 Part 1 and Algebra 1 Part 2 CP.

Topics included in this course are: equations and inequalities, systems of linear equations, polynomials and factoring, relations and functions, irrational numbers and quadratic equations, quadratic relations and systems, radical functions, rational equations and complex numbers, 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 as reflections of this structure. Most of the same topics are covered in Algebra 2 Advanced and Algebra 2 CP. Algebra 2 CP allows more time for students to practice the concepts so sequences and series, trig functions and rational functions may be omitted.

Trigonometry CP (Grade: 11-12)

Course Weight: College Preparatory

Full Year

5 Credits

Prerequisite: Successful completion of Algebra 2.

This course is designed for seniors who have completed Algebra 2 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 unit circle. Use of a scientific calculator is an essential feature of this course.

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Pre-Calculus Honors (Grades: 10–11)

Course Weight: Honors

Prerequisite: Successful completion of Algebra 2 Honors and teacher recommendation.

Full Year

5 Credits

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, and 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. **This course may also be taken as a concurrent course through Sussex County Community College. The Sussex County Community College concurrent course equivalents are MATH110 Pre-Calculus I and MATH112 Pre-Calculus II.**

Pre-Calculus Advanced (Grades: 11–12)

Course Weight: College Preparatory - Advanced (CP-ADV)

Prerequisite: Successful completion of Algebra 2 Honors or Advanced and teacher recommendation.

Full Year

5 Credits

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. **This course may also be taken as a concurrent course through Sussex County Community College. The Sussex County Community College concurrent course equivalent is MATH110 Pre-Calculus I.**

Contemporary Math (Grade: 12)

Course Weight: College Preparatory

Prerequisite: Successful completion of Algebra 2.

Full Year

5 Credits

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

Statistics CP (Grade: 11-12)

Course Weight: College Preparatory

Prerequisite: Successful completion of Algebra 2

Full Year

5 Credits

This course will introduce data classifications, experimental designs, and descriptive statistics techniques. Basic and discrete problems probabilities will be explored. Students will encounter continuous random variables dealing with normal probability distributions and confidence intervals. Students will work with hypothesis testing with both one and two samples.

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Elementary Calculus Advanced (Grade: 11 - 12)

Course Weight: College Preparatory-Advanced (CP-ADV)

Full Year

5 Credits

Prerequisite: Successful completion of Pre-Calculus Honors or Pre-Calculus CP, and teacher recommendation.

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.

AP Calculus (AB) (Grade: 11 - 12)

Course Weight: Advanced Placement

Full Year

5 Credits

Prerequisite: Successful completion of Pre-Calculus Honors or Elementary Calculus and the recommendation of the teacher.

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 Calculus AB Exam.**

AP Calculus (BC) (Grade: 12)

Course Weight: Advanced Placement

Full Year

5 Credits

Prerequisite: Successful completion of AP Calculus AB and the recommendation of the teacher.

This course is offered to those who successfully complete AP Calculus AB and are recommended for further study. This course concerns itself with all of the topics of study in AP Calculus AB, as well as functions, graphs, and limits, derivatives, integrals, and polynomial approximations and series. The program is a rigorous, advanced math course. **Students enrolled in this class are expected to take the Advanced Placement Calculus BC Exam.**

AP Statistics (Grade: 10 -12)

Course Weight: Advanced Placement

Full Year

5 Credits

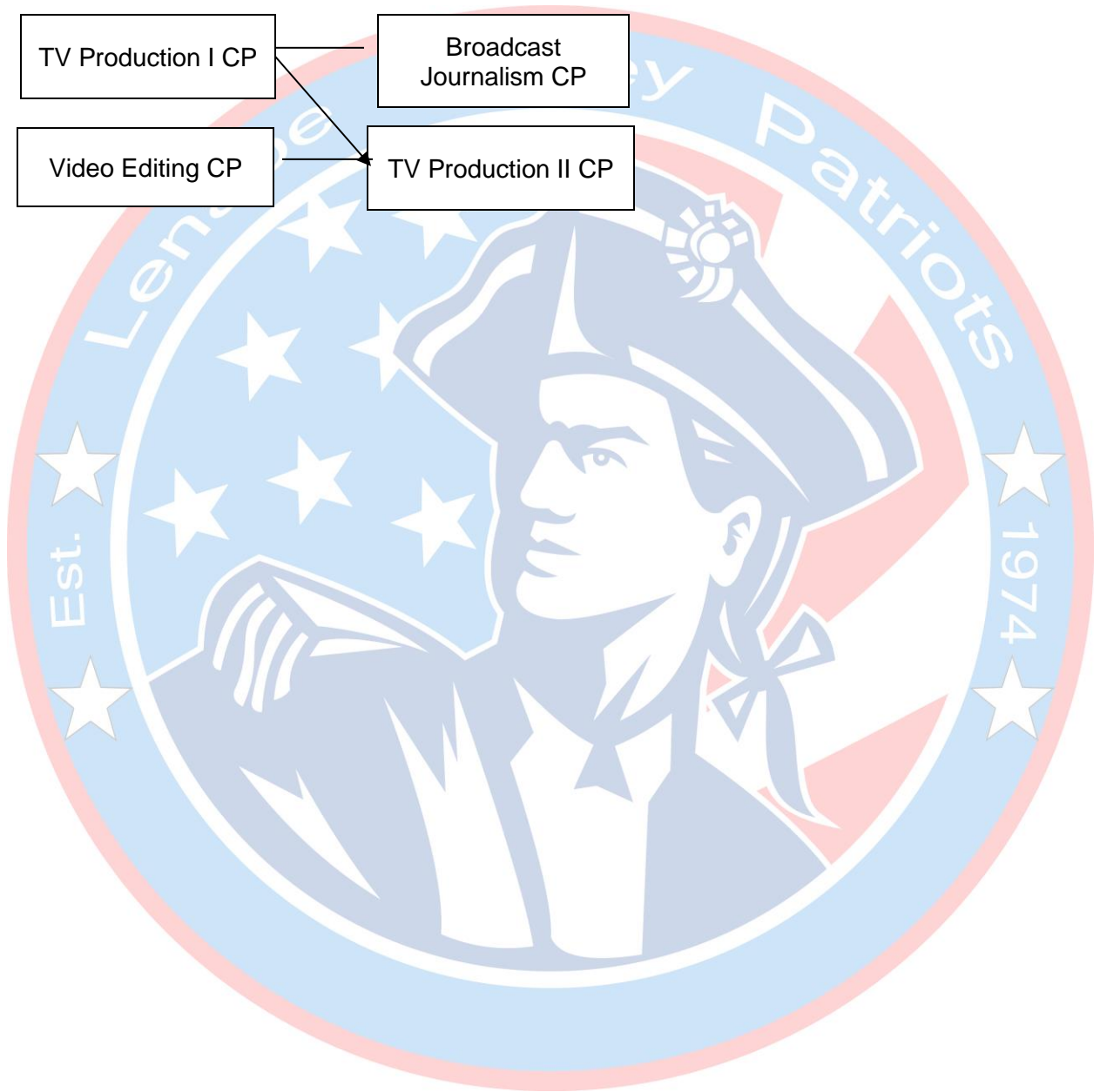
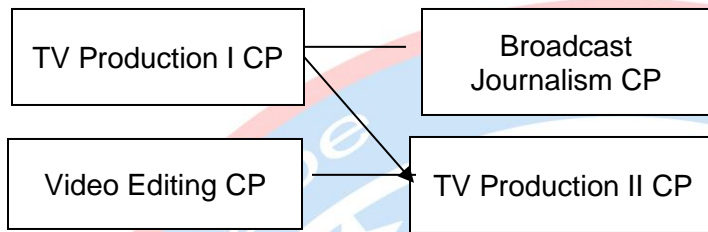
Prerequisite: Successful completion of Pre-Calculus, Pre-Calculus Honors, or Algebra 2 Honors with the recommendation of the teacher.

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. **Students enrolled in this class are expected to take the Advanced Placement Exam. This course may also be taken as a concurrent course through Sussex County Community College. The Sussex County Community College concurrent course equivalent is MATH108 Statistics.**



MEDIA COMMUNICATIONS DEPARTMENT

COURSE SEQUENCE



MEDIA COMMUNICATIONS DEPARTMENT

COURSE OFFERINGS

The Lenape Valley Television Production Program offers students access to a state-of-the-art production studio, professional equipment and the latest editing software. Students will learn production and journalism techniques from an instructor who has real world television production experience. The focus of the program will be the development of skills in production processes and systems, production and post-production. These skills will be applied to practical applications such as broadcasting school events, producing a news program and promoting school events and activities.

Video Editing (Grades: 9-12)
Course Weight: College Preparatory

Full Year
5 Credits

In Video Editing, students will learn to use Adobe Premiere Pro to create video projects by editing video, combining clips, adding music, and more. They will create videos with animations, special effects, and more to make their designs come to life. Students will gain familiarity with all the key Adobe tools used by video editors in this course. **This course counts towards the graduation requirement for 21st Century Life and Careers.**

Video Editing Course for High School Students Topics Covered:

- Learn to edit video & audio.
- Learn about various video formats, video codecs, and frame rates.
- Learn how to process and conform media coming from different sources and in different formats for integration into existing works.
- Learn how to distribute finished works to the Internet, social media, and broadcast platforms.
- Learn to create motion effects in Premiere Pro including zooming, rotating, scaling, and more.
- Learn how to use greenscreen technology and how to “key out” components of the video frame.
- Learn how to use software platforms, outside of Premiere Pro, to support existing works.
- Students will be exposed to Adobe Photoshop, Adobe Audition, Adobe After Effects, Adobe Illustrator, and Adobe Media Encoder on an as needed basis.
- Add subtitles, effects, and transitions to enhance your videos.
- Learn key video terminology.
- Create basic animations with graphics such as logos and photos.
- Add transitions such as fade-ins & fade-outs.
- Learn how to add music, voiceovers, and sound effects to existing works in Premiere Pro.
- Learn how to research, acquire, and integrate stock footage.

TV Production 1 (Grades: 9-12)
Course Weight: College Preparatory

Semester
2.5 Credits

Students enrolled in TV Production will review the history of broadcasting and discover a world of emerging technologies, as well as time tested storytelling and script writing assignments. The ability to create video-based projects will allow students to enter the world of visual media as it stands highly prevalent in society today. This creativity will hopefully spark an interest in video journalism, comedy, public service, school initiatives, community activities, and much more. In addition, the mastery of skills used in this class will be broken down into four units and can be used in other cross-curricula initiatives and/or projects. **This course counts toward the graduation requirement for 21st Century Life and Careers.**

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Broadcast Journalism (Grade: 10-12)
Course Weight: College Preparatory
Prerequisite: TV Production 1

Full Year
5.0 Credits

In Broadcast Journalism, students will learn about the broadcast news business and the various elements that go into producing newscasts including in-studio production, field reports, editing, and news writing. They will actively participate in the production of pre-recorded and live productions originating from LVR Studios. **This course counts toward the graduation requirement for 21st Century Life and Careers.**

Broadcast Journalism Course for High School Students Topics Covered:

- Learn and debate about what news is.
- Learn about the ethics of journalism.
- Watch and analyze news reports and news programs from around the world.
- Learn about the vocabulary related to broadcast news.
- Learn about the various jobs related to broadcast news.
- Learn how to plan an in-studio news broadcast and field report.
- Learn to shoot video and record audio for field news reports.
- Learn how to properly appear on camera.
- Learn about interviewing techniques.
- Learn how to research and write scripts for field reports and in-studio newscasts.
- Learn how to operate studio cameras, lighting, video switchers, and the lighting board.
- Learn how to do a "live shot."
- Learn how to use a teleprompter.
- Learn how to use the NewTek Tricaster ("Studio in a Box") hardware and software.
- Produce a weekly news program originating from LVR Studios.
- Create news reports (news packages) that focus on timely topics and social issues.

TV Production 2 (Grades: 10-12)

Course Weight: College Preparatory

Prerequisite: TV Production 1 AND Video Editing. Students must also have demonstrated maturity, responsibility, and self-motivation.

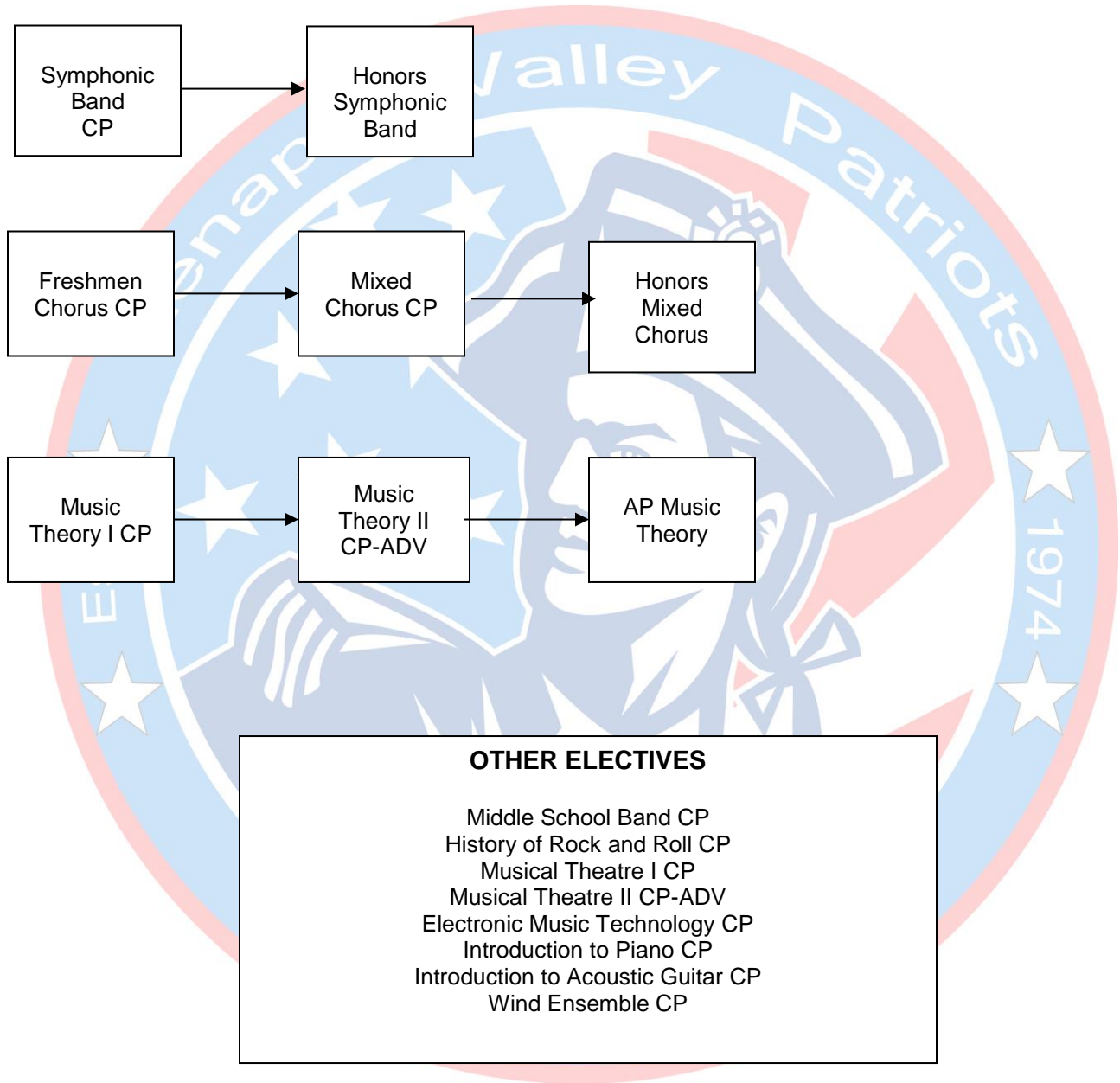
Semester
2.5 Credits

TV Production 2 allows students to further their knowledge of the tv industry through the advanced application of video techniques to create challenging video projects. The focus will be on advanced video editing, videography, lighting, and audio. Students will apply their knowledge to create and run several aired tv productions. **This course counts toward the graduation requirement for 21st Century Life and Careers.**



MUSIC DEPARTMENT

COURSE SEQUENCE



MUSIC DEPARTMENT

COURSE OFFERINGS

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 Music 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.

Middle School Band (Grade: 7-8)
Course Weight: College Preparatory

Semester
5 Credits

This course is open to any student who has had no previous or limited experience and wishes to study a musical instrument in high school. Students receive instruction in the psychomotor and interpretive skills necessary to play a musical instrument (no stringed instruments). Small group lessons, sectional rehearsals, and after school rehearsals are all included in this course. Course requirements include attendance at lessons, rehearsals, and band performances throughout the year.

Symphonic Band (Grades: 9–12)
Course Weight: College Preparatory*

Semester or Full Year
2.5 or 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 one year 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 after school rehearsals 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 4th 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.**

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Wind Ensemble (Grades: 10 – 12)
Course Weight: College Preparatory
Co-requisite: Enrollment in Symphonic Band.

Full Year
5 Credits

This course will allow students with prior musical knowledge on an instrument to participate in a small ensemble. It is open to any instrument (except strings) and would involve more advanced musical works. Students will have solo opportunities during class time and performances. Wind Ensemble will focus on musical interpretation, musical theory, musical blends, and individual tone production. Prior musical knowledge is a prerequisite of this course. **This course counts towards the graduation requirement for Visual and Performing Arts.**

Freshmen Chorus (Grade: 9)
Course Weight: College Preparatory

Semester or Full Year
2.5 or 5 Credits

This course is open to 9th grade students. No previous musical experience is necessary. Concepts covered will include proper vocal technique, reading music, and performance skills. Students will learn proper concert etiquette and good rehearsal practices and techniques: including posture, breathing, and diction. Emphasis will be placed on good vowel production and teamwork to create a beautiful choral sound. Course requirement include attendance at lessons, rehearsals, and participation in both the winter and spring concerts. Grade is primarily based on daily participation, written music theory, and/or singing tests, and attendance at the choral concerts. **This course counts towards the graduation requirement for Visual and Performing Arts.**

Mixed Chorus (Grades: 9–12)
Course Weight: College Preparatory*

Semester or Full Year
2.5 or 5 Credits

Students who elect 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 of vocal music. Course requirements include attendance at lessons, rehearsals, and participation in both the winter and spring concerts. Grade is primarily based on daily participation, written music theory, and/or singing tests, and attendance at choral concerts. **This course counts towards the graduation requirement for Visual and Performing Arts. *Students who participate for 4 years will receive Honors weight for the 4th 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.**



History of Rock and Roll (Grades: 9-12)
Course Weight: College Preparatory

Semester
2.5 Credits

This course was previously named Appreciation of Popular Music. This semester music appreciation course is designed to survey the influence of music on American culture and the world from the 1950's through the present day and into the future. This course is geared towards the music enthusiast through the practicing musician. With this in mind, students will explore the broad variety of music and musicians who have brought music from its classical roots to present day rock and its relatives. Students will also explore the relationship between music and culture, including significant events and conflicts. Connections between protests and musical development will be drawn through examination of lyrics and musical styles. Through viewing of and participation in concert events of varied styles, students will further understand the contributions of bands and artists. Students will engage in the analysis, performance, practice, and critique of groups, artists, and musical pieces that relate to the style being studied. This course also will look into important contemporary issues in rock and roll that requires research, critical thinking, the formation of objective opinions, and discussion. **This course counts towards the graduation requirement for Visual and Performing Arts.**

Introduction to Piano (Grades: 9-12)
Course Weight: College Preparatory

Semester
2.5 Credits

Students in this course do not need any previous musical experience. Concepts covered will include beginner piano lessons, reading music, and proper hand and arm techniques. Students will learn practice habits, note reading, scales, and fingerings. Students will learn solo and duet repertoires from a multitude of styles and sources. Students will also learn to play together as an ensemble. **This course meets the requirement for Visual and Performing Arts.**

Introduction to Acoustic Guitar (Grades: 9-12)
Course Weight: College Preparatory

Semester
2.5 Credits

Although students in this course do not need any previous musical experience, having taken Introduction to Piano is highly suggested as knowledge of piano transfers well to the guitar. Students are required to bring their own acoustic guitars to class. Concepts covered will include beginner guitar lessons, reading music, and proper finger positions for pitches, chords, and strumming. Students will learn solo and group repertoire, and learn to play together as an ensemble. **This course meets the requirements for Visual and Performing Arts.**

Electronic Music Technology (9-12)
Course Weight: College Preparatory

Semester
2.5 Credits

This semester course is designed to introduce students to the features and interfaces of Garage Band, Finale-2011, Secret Composer, and Avid Recording Studio. Students will learn to compose and produce their own music. With the use of Apple computers outfitted with recording and composition software and MIDI keyboards, students will be able to arrange and compose songs, edit and mix tracks, add effects, create a virtual backing band, and create a podcast of performance complete with narration, music, sound effects and artwork. This course is appropriate for the music enthusiast through practicing musicians who wish to create their own music without having formal music composition training. Students will explore different musical styles from popular music genres and examine contributions of bands and artists on recording and composition techniques. By the end of this course, students will have a portfolio of music selections composed and arranged by themselves and recordings of finished pieces. **This course counts towards the graduation requirement for Visual and Performing Arts.**



Music Theory I: Introduction to Tonal Harmony (Grades: 9-12)

Course Weight: College Preparatory

Prerequisite: One year of musical instruction.

Semester
2.5 Credits

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 Visual and Performing Arts.**

Music Theory II: Harmony and Composition (Grades: 9-12)

Course Weight: College Prep – Advanced (CP-ADV)

Prerequisite: Successful completion of Music Theory I

Semester
2.5 Credits

This course builds upon the material covered in Music Theory I and delves more deeply into the study of Western Art 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:**Advanced Harmony and Composition** (Grades: 10-12)

Course Weight: Advanced Placement

Prerequisite: Successful completion of Music Theory II CP-ADV

Full Year
5 Credits

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 Visual and Performing Arts.**

Musical Theatre I (Grade: 9-12)

Course Weight: College Preparatory

Semester
2.5 Credits

This course is a broad overview of the history, styles, works, and artists of the musical theatre genre. Students will learn about the history and the process of theatrical production and each of the creative disciplines involved in the creation of a musical (set design, costume design, lighting & sound design, etc.) Throughout their study of this genre, students will explore and analyze works from musicals and dramas throughout the history of the Broadway musical. **This course counts towards the graduation requirement for Visual and Performing Arts.**

Musical Theatre II (Grade: 9-12)

Course Weight: College Preparatory – Advanced (CP-ADV)

Prerequisite: Successful completion of Musical Theatre I.

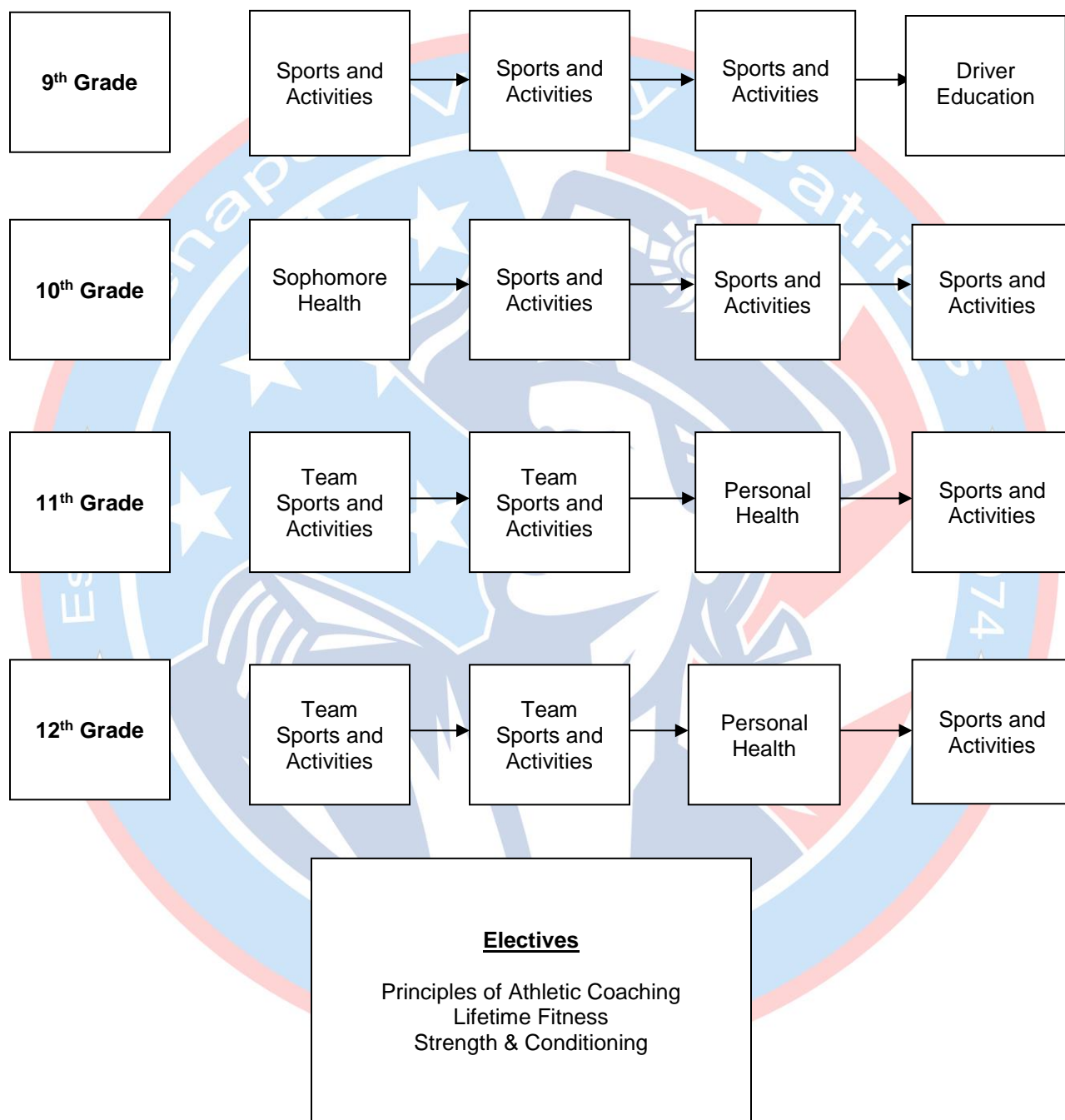
Semester
2.5 Credits

This course continues the study of the history, styles, works, and artists of the musical theatre genre but at a more advanced level. Students will develop their own repertoire. The styles and periods of musical theatre development are examined through listening/singing and presentation of the material. Audition material and singing are incorporated into the course. Students are also given opportunities to develop their own choreography. In-depth examinations of all aspects of mounting a musical theatre production are studied. **Students are required to have appropriate footwear for dance. This course counts towards the graduation requirement for Visual and Performing Arts.**



PHYSICAL EDUCATION AND HEALTH DEPARTMENT

COURSE SEQUENCE



PHYSICAL EDUCATION AND HEALTH DEPARTMENT

COURSE OFFERINGS

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, 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 and nutrition, 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/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; HIV; harassment, intimidation, and bullying; and dating violence education.

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

Full Year
4-5 Credits**

The credit offering for physical education is lab-dependent. Students who attend Physical Education five days per week will receive 5 credits upon the successful completion of the course. Students who attend Physical Education 4 days per week and attend lab one day per week will receive 4 credits for the successful completion of the Physical Education course and their science course will receive one additional credit for a total of a 6-credit lab science course.

Physical Education focuses upon personal wellness as its organizing theme. The Physical Education program 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 Physical Education program seeks to provide each student with the tools and experiences necessary for a lifetime commitment to physical fitness and health. It does this through the student's participation in a variety of health, sport, and physical activities.

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For a quarter of each year, students receive Health Education as part of the required department program. In ninth grade, health instruction teaches students about the male and female reproductive systems. 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.

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.

Strength & Conditioning (Grades: 11-12)
Course Weight: College Preparatory

Semester 1 (FALL)
2.5 Credits

This course is designed to educate students on the benefits of physical activity through various strength and power training, cardiovascular, change of direction runs, and endurance building activities. The successful performance of these activities will help students enhance their fitness, reduce risk of injury in sports due to added strength, muscle mass, flexibility and building density of bones. Throughout this course students will learn how to set reachable goals for their fitness and chart their progress toward their goals. The weight training section will be more geared toward teaching students the proper technique for a variety of weight training exercises. Students may enroll in this course multiple times, but only once per academic year. **This course does fulfill the Physical Education/Health requirement for graduation.**

Lifetime Fitness Education (Grades: 11-12)
Course Weight: College Preparatory

Semester 1 (FALL)
2.5 Credits

This course is a general Physical Education class. Low-Intensity Team sports such as volleyball, pickleball, and soccer. will emphasize team cooperation and competitive play. Individual sports such as ping-pong, badminton, and backyard games will encourage fair play and friendly competition. Individual wellness activities such as yoga, cardio conditioning, Pilates, social dance, and fitness walking. The overall goal of this course is to expose students to a variety of physical activities and the desire to continue them for a lifetime. Students may enroll in this course multiple times, but only once per academic year. **This course does fulfill the Physical Education/Health requirement for graduation.**



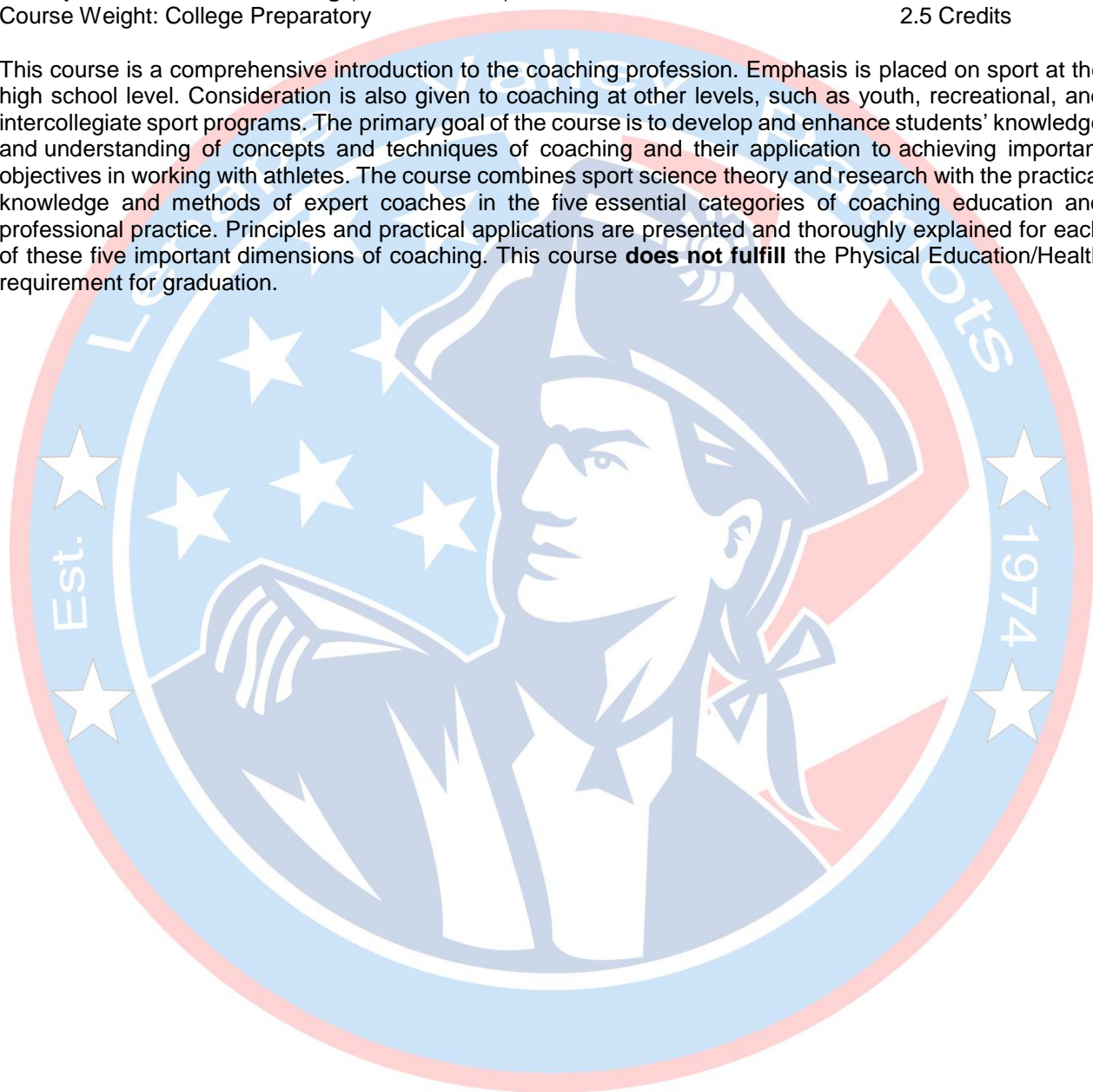
ELECTIVES

*These courses **do not fulfill** the Physical Education/Health requirement for graduation.*

Principles of Athletic Coaching (Grades: 11-12)
Course Weight: College Preparatory

Semester
2.5 Credits

This course is a comprehensive introduction to the coaching profession. Emphasis is placed on sport at the high school level. Consideration is also given to coaching at other levels, such as youth, recreational, and intercollegiate sport programs. The primary goal of the course is to develop and enhance students' knowledge and understanding of concepts and techniques of coaching and their application to achieving important objectives in working with athletes. The course combines sport science theory and research with the practical knowledge and methods of expert coaches in the five essential categories of coaching education and professional practice. Principles and practical applications are presented and thoroughly explained for each of these five important dimensions of coaching. This course **does not fulfill** the Physical Education/Health requirement for graduation.



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SCIENCE DEPARTMENT

COURSE SEQUENCE

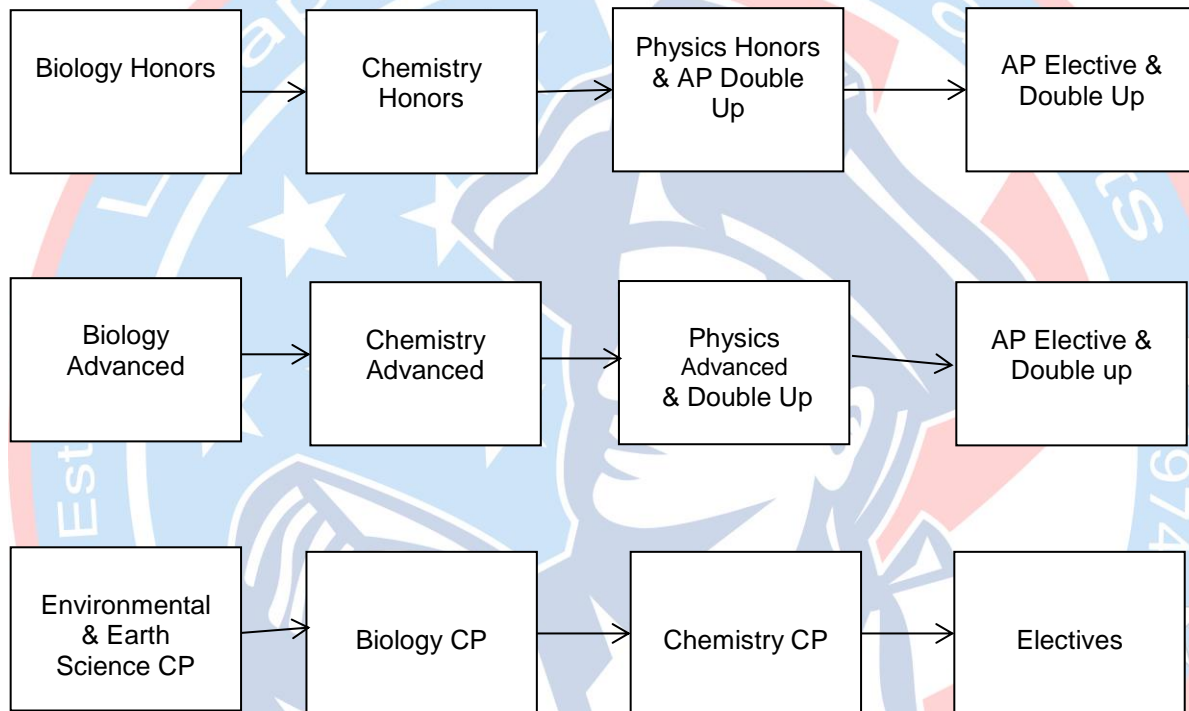
Grade 9

Grade 10

Grade 11

Grade 12

*** Each year, students may move between levels based on teacher recommendations, student academic performance history, and student/parent request.



ELECTIVES

Advanced Placement Environmental Science
 Advanced Placement Chemistry
 Advanced Placement Biology
 Anatomy and Physiology Honors
 Marine Biology Honors
 Zoology CP
 Bioethics Honors
 Forensic Science CP
 Science in Your World CP
 Environmental Science CP

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SCIENCE DEPARTMENT

COURSE OFFERINGS

The Science Department offers various content-rich courses of study. The college preparatory courses are sequenced with Biology, Chemistry and electives. The Honors level of study includes Honors Biology, Honors Chemistry, Honors Physics and electives. A variety of elective college preparatory courses are provided to further enhance students' abilities to be ready to do college-level work and to consider careers in the STEM subjects (Science-Technology-Engineering-Mathematics). All instruction aims to help 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 scientific investigation that are central to scientific methods. All courses include the following proficiencies:

- To develop problem solving skills (textbook and laboratory based) and to work 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.
- To meet the expectations as set forth by the Next Generation Science Standards (NGSS), adopted by New Jersey in 2014.

Graduation requirements adopted by the New Jersey State Board of Education in June 2009 require students to successfully complete 15 credits of science and also include:

- three years of lab science, including biology, effective with the 2008-2009 ninth grade class;
- a choice among chemistry, physics or environmental science, beginning with the incoming ninth grade class of 2010-2011;
- a third inquiry-based lab or technical science, beginning with the incoming ninth grade class of 2012-2013.

The laboratory experience in all science courses allows students to utilize tools, data-collection techniques, models and theories of science, and to:

- actively participate in scientific investigations;
- use cognitive and manipulative skills associated with the formulation of scientific explanations;
- use evidence, apply logic, and construct arguments for their proposed explanations;

College admissions standards often include additional study and specific laboratory requirements. Students planning to major in one of the STEM subjects (Science-Technology-Engineering-Mathematics) should pursue a rigorous four-year sequence that includes courses with varied laboratory experiences.

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Environmental & Earth Science (Grade: 9)
Course Weight: College Preparatory
Corequisite: Algebra 1 Part 1 or Algebra 1 Advanced

Full Year
5 Credits

This course is designed to address several aspects of Earth Systems and the Earth and Human Activity of the New Jersey Student Learning Standards for Science as well as the development of science practice skills. This course provides an in-depth study and analysis of Earth and Space Science concepts and is designed for students who excel in science and math and who enjoy a challenging learning environment. Concepts emphasized include the Earth Structure and Composition, Geologic Processes and Plate Tectonics, Weather, Climate and Global Climate Change, Natural Hazards, Natural Resources, and Human Impact on the Environment.

Biology Honors (Grade: 9)

Course Weight: Honors

Prerequisite: Algebra I and Recommendation of 8th grade science teacher for 9th graders.

Corequisite: Geometry any level

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.

Biology Advanced (Grade: 9)

Course Weight: College Preparatory - Advanced (CP-ADV)

Prerequisite: Recommendation of grade science teacher for 9th graders.

Corequisite: Geometry any level

Full Year
6 Credits

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 CP (Grade: 10)

Course Weight: College Preparatory

Prerequisite: Algebra 1 Part 1 or Math 9, Environmental & Earth Science CP

Corequisite: Algebra 1 Part 2 or Math 10, or Algebra 1 Advanced

Full Year
5 Credits

Biology is a year-long required survey course that provides the necessary supports and appropriate pacing/depth for students as they explore 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 take place within the regularly-scheduled class period and will develop scientific attitudes toward problem solving.

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Chemistry Honors (Grades: 10–12)

Course Weight: Honors

Full Year

6 Credits

Prerequisite: Successful completion of Algebra 1 and Biology Honors or CP-ADV, and teacher recommendation.

Corequisite: Students should be simultaneously enrolled in or have previously completed Geometry H.

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” inquiry-based labs where they design their own procedures and develop their ability to perform 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 or math should take this course to enhance their creative problem-solving skills and their higher order thinking skills. **This course may also be taken as a concurrent course through Sussex County Community College. The Sussex County Community College concurrent course equivalent is CHEM110 College Chemistry I.**

Chemistry Advanced (Grades: 10–12)

Course Weight: College Preparatory-Advanced (CP-ADV)

Full Year

6 Credits

Prerequisite: Successful completion of Algebra 1, Biology Honors or CP-ADV, or Biology CP and teacher recommendation.

Corequisite: Students should be simultaneously enrolled in or have previously completed Geometry any level.

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. Emphasis is given on the application of chemistry to every-day life.

Chemistry CP (Grades: 11–12)

Course Weight: College Preparatory

Full Year

5 Credits

Prerequisite: Successful completion of Biology CP.

This is a year-long required survey course that provides the necessary supports and appropriate pacing/depth as students develop a firm understanding of chemical principles with preparation for further scientific work. Concepts concerning matter and its changes are covered through laboratory investigations that will take place within the regularly-scheduled class period. Mathematics serves as a tool to examine changes in the laboratory and to explore topics in class work. Emphasis is given on the application of chemistry to every-day life

Physics Honors (Grades: 11-12)

Course Weight: Honors

Full Year

6 Credits

Prerequisite: Successful completion of Chemistry CP-ADV or Honors

Corequisite: Students should have completed or be simultaneously enrollment in Algebra 2 Honors or Advanced.

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. Offered in alternating years.

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Physics Advanced (Grades: 11-12)

Course Weight: College Preparatory – Advanced (CP-ADV)

Prerequisite: Successful completion of Biology or Chemistry H or CP-ADV, or Chemistry CP and teacher recommendation.

Corequisite: Students should have completed or be simultaneously enrollment Algebra 2 Honors or Advanced.

Full Year

6 Credits

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. Offered in alternating years.

Environmental Science CP (Grades: 10-12)

Course Weight: College Preparatory

Prerequisite: Successful completion of a course in biology.

Full Year

5 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. **Students who have previously enrolled in Environmental & Earth Science are not eligible for this course.**

Science in Your World (Grades: 11-12)

Course Weight: College Preparatory

Prerequisite: Successful completion of a course in biology.

Full Year

5 Credits

Science in Your World is a full year course that is designed as an inquiry-based science elective. The major areas of study will include: agriculture, botany, geology, zoology, bioethics, human diseases, and urban ecology. Throughout the course students will take the knowledge that they gained from their previous Biology class and apply it to real life scientific issues. Students will perform extensive research during each unit of study by completing inquiry-based labs, working on case studies, pertinent to each subject, and completing problem solving exercises that require them to work with each other in a professional manner. The program is very hands-on, as well as student-centered, which affords each individual the opportunity to fully immerse himself or herself in the learning process. At the conclusion of this course, student learning will be assessed through a capstone project. Science in Your World is structured to help students develop excitement and enthusiasm for learning science. This course is aligned with the New Jersey Student Learning Standards for Science (also known as Next Generation Science Standards or NGSS) and the New Jersey Standards for Technology 21st Century Career Ready Practices.

Forensic Science CP (Grades: 11-12)

Course Weight: College Prep

Prerequisite: Successful completion of two years of science, including Biology.

Full Year

5 Credits

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.

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Marine Biology Honors (Grades: 11-12)

Course Weight: Honors

Semester

2.5 Credits

Prerequisite: Successful completion of two years of science, one of which must be in Biology.

Marine Biology extends the study of Biology to the living and nonliving factors of the ocean realm, which are explored through various marine ecosystems such as coral reefs, sandy shores, deep sea, open ocean, and kelp forests. Exploration of these ecosystems includes investigating the successful adaptations of marine life (fish/sharks, mammals, reptiles, birds, invertebrates, and plants) to withstand the non-living elements (currents, tides, ocean seafloor, and seawater composition) that form each ecosystem. The impact of humans on marine ecosystems and the necessity for marine conservation are also examined. Laboratory investigations and other hands-on activities are used to enhance understanding of topics. Students may also have an opportunity to participate in an optional field trip to an aquarium.

Zoology CP (Grades: 11-12)

Course Weight: College Preparatory

Semester

2.5 Credits

Prerequisite: Successful completion of two years of science.

Zoology is a course that will survey the nine major phyla of the Kingdom Animalia. Zoology. Zoologists research everything they think to ask about animals, including their anatomy and interrelationships, their physiology and genetics, and their distributions and habitats. Zoology courses provide students with an understanding of animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. These courses should also help students develop an awareness and understanding of biotic communities. Students in the Zoology course continue to develop knowledge in the core disciplinary ideas described in the Next Generation Science Standards (NGSS) including science as inquiry. The objectives of this course are to apply the Next Generation Science Standards (NGSS) Crosscutting Concepts that bridge disciplinary boundaries, uniting core ideas throughout the fields of science and engineering.

Bioethics Honors (Grades: 11-12)

Course Weight: Honors

Semester

2.5 Credits

Prerequisite: Successful completion of two years of science, one of which must be in Biology.

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.

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Anatomy and Physiology Honors (Grades: 11–12)

Course Weight: Honors

Full Year

5 Credits

Prerequisite: Successful completion of Biology, Chemistry **AND** Algebra I, and teacher recommendation.

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. **This course may also be taken as a concurrent course through Sussex County Community College. The Sussex County Community College concurrent course equivalent is BIOS103 Anatomy and Physiology 1.**

AP Biology (Grades: 11–12)

Course Weight: Advanced Placement

Full Year

6 Credits

Prerequisites: Successful completion of Biology and Chemistry (Honors recommended) and Algebra 2.

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 Biology Examination. This course may also be taken as a concurrent course through Sussex County Community College. The Sussex County Community College concurrent course equivalents are BIOS110 Biology I and BIOS112 Biology II.**

AP Chemistry (Grades: 11-12)

Course Weight: Advanced Placement

Full Year

6 Credits

Prerequisite: Successful completion of Algebra 2, Biology, and Chemistry (Honors recommended).

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 (8 college credits). 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. It is expected that students will complete 5-10 hours a week of independent study outside of class. **All students enrolled in this course are expected to take the Advanced Placement Chemistry Examination. This course may also be taken as a concurrent course through Sussex County Community College. The Sussex County Community College concurrent course equivalents are CHEM110 College Chemistry I and CHEM112 College Chemistry II.**

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AP Physics (Grades: 11–12)

Course Weight: Advanced Placement

Prerequisite: Successful completion of Chemistry (Honors or AP recommended). Students must be concurrently enrolled in Pre-calculus Advanced or Honors.

Full Year

6 Credits

AP Physics is the equivalent to a first-semester course in algebra-based Physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power; and mechanical waves and sound and simple circuits. Through inquiry-based learning, students will develop scientific thinking and reasoning skills. It is expected that students will complete 5 - 10 hours a week of independent study outside of class. **All students enrolled in this course are expected to take the Advanced Placement Physics 1: Algebra-Based Examination.**

AP Environmental Science (Grades: 11-12)

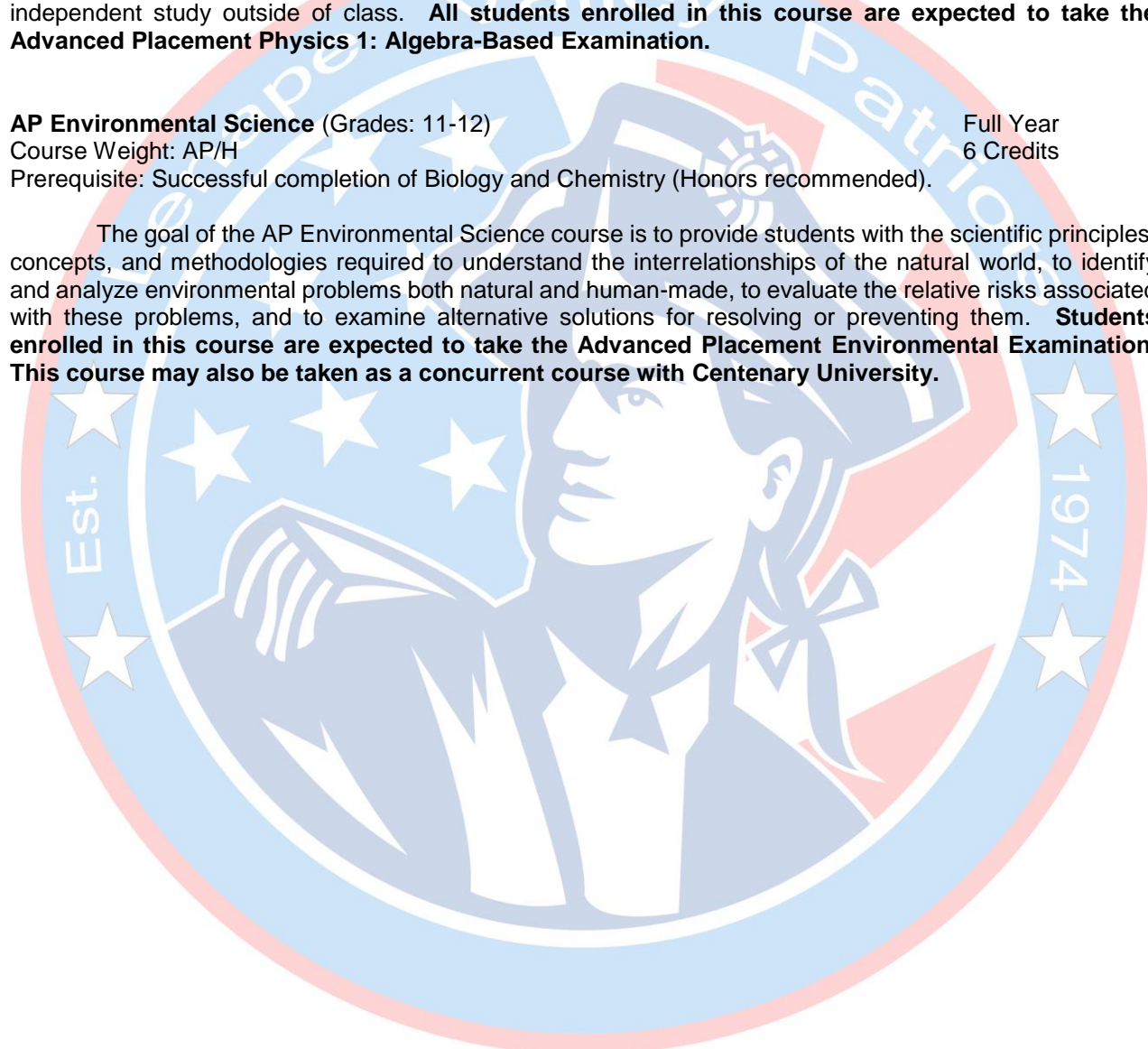
Course Weight: AP/H

Prerequisite: Successful completion of Biology and Chemistry (Honors recommended).

Full Year

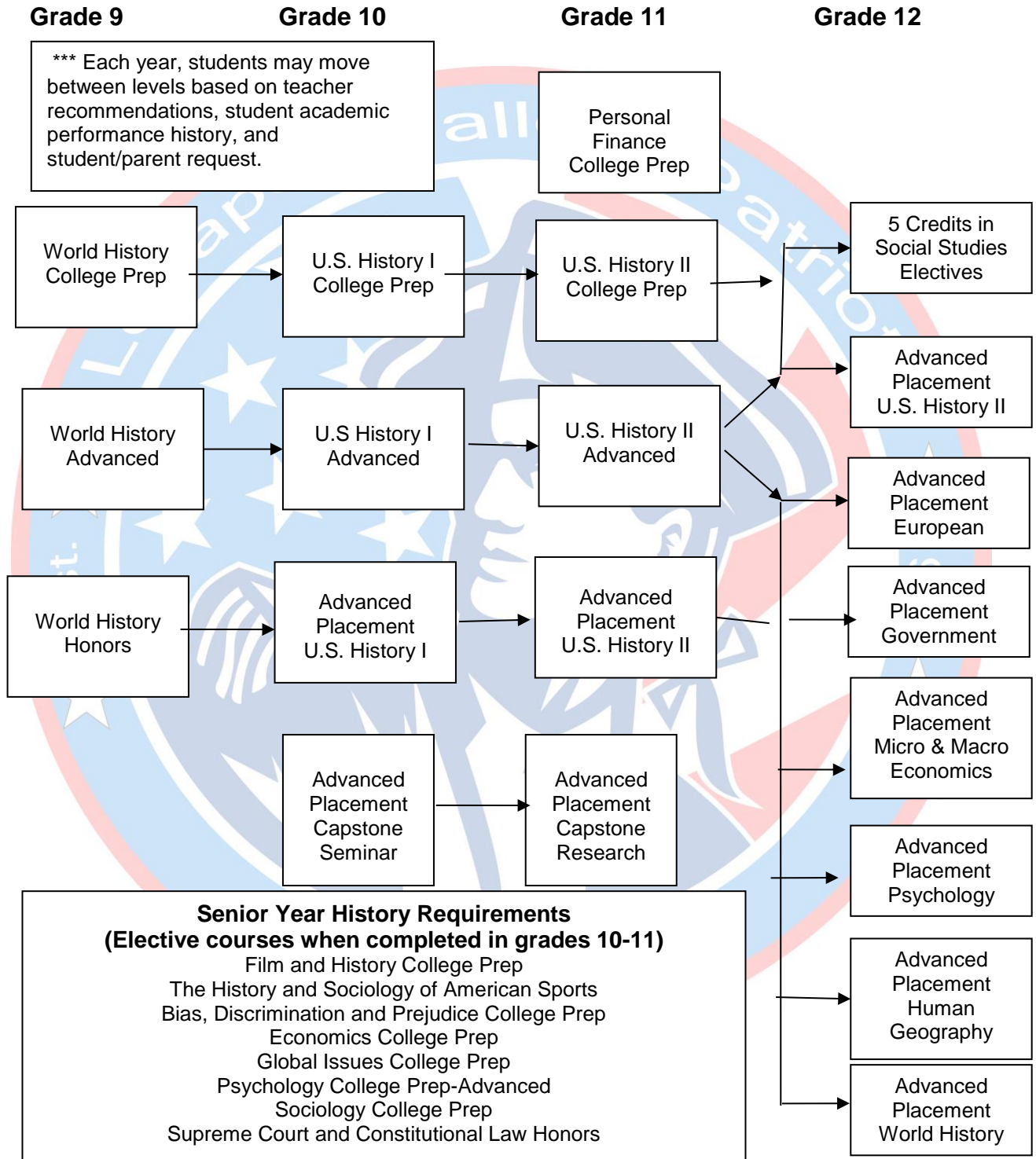
6 Credits

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. **Students enrolled in this course are expected to take the Advanced Placement Environmental Examination. This course may also be taken as a concurrent course with Centenary University.**



SOCIAL STUDIES DEPARTMENT

COURSE SEQUENCE



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SOCIAL STUDIES DEPARTMENT

COURSE OFFERINGS

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.

Personal Finance (Grade: 10-12)
Course Weight: College Preparatory

Semester
2.5 Credits

This course will inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and saving accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence. **This course satisfies the graduation requirement for 21st Century Life and Careers and Financial Literacy.**

Personal Finance Option 2 (Grade: 10-12)
Course Weight: This course will not be weighted into the GPA
Prerequisite: Enrollment contingent upon administrative approval.

Semester
2.5 Credits

Students who desire to do so may enroll in Personal Finance through the on-line provider Educere at their own expense. Students who successfully complete this course will be awarded 2.5 credits towards graduation on their transcript, but like other on-line courses it will not be factored into the GPA. **This course satisfies the graduation requirement for 21st Century Life and Careers and Financial Literacy.**

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World History Honors (Grade: 9)
Course Weight: Honors
Prerequisite: Teacher recommendation.

Full Year
5 Credits

World History Honors is a year-long course offered to Freshmen wishing to challenge themselves. The course explores the key events and global historical developments from 1350 A.C.E. to World War I that have shaped the world we live in today. The scope of Modern World History provides the latitude to range widely across all aspects of human experience: economics, science, religion, philosophy, politics & law, military conflict, literature & the arts. The course will illuminate connections between our lives and those of our ancestors around the world. Students will uncover patterns of behavior, identify historical trends and themes, explore historical movements and concepts, and test theories. Students will refine their ability to read for comprehension and critical analysis; summarize, categorize, compare, and evaluate information; write clearly and convincingly; express facts and opinions orally; use technology appropriately to present information; and complete special assignments concerning current events and research projects.

World History Advanced (Grade: 9)
Course Weight: College Preparatory-Advanced (CP-ADV)
Prerequisite: Teacher recommendation.

Full Year
5 Credits

World History CP is a year-long required survey course that explores the key events and global historical developments that have shaped the world we live in today. The scope of World History provides the latitude to range widely across all aspects of human experience: economics, science, religion, philosophy, politics & law, military conflict, literature & the arts. The course will illuminate connections between our lives and those of our ancestors around the world. Students will uncover patterns of behavior, identify historical trends and themes, explore historical movements and concepts, and test theories. Students will refine their ability to read for comprehension and critical analysis; summarize, categorize, compare, and evaluate information; write clearly and convincingly; express facts and opinions orally; and use technology appropriately to present information.

World History College Prep (Grade: 9)
Course Weight: College Preparatory
Prerequisite: Teacher recommendation.

Full Year
5 Credits

World History CP is a year-long required survey course that provides the necessary supports and appropriate pacing/depth for its students while they explore key events and global historical developments that have shaped the world we live in today. The scope of World History provides the latitude to range widely across all aspects of human experience: economics, science, religion, philosophy, politics & law, military conflict, literature & the arts. The course will illuminate connections between our lives and those of our ancestors around the world. Students will uncover patterns of behavior, identify historical trends and themes, explore historical movements and concepts, and test theories. Students will refine their ability to read for comprehension and critical analysis; summarize, categorize, compare, and evaluate information; write clearly and convincingly; express facts and opinions orally; and use technology appropriately to present information.

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Advanced Placement U.S. History I (Grade: 10)

Course Weight: Honors

Full Year

5 Credits

Prerequisite: Successful completion of World History Advanced CP-ADV or World History Honors and a teacher recommendation.

This course is the first in a sequence of two courses 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. **Students who are enrolled in this course are expected to continue to AP United States History 2 in which they will take the AP United States History Examination.**

U.S. History I Advanced (Grade: 10)

Course Weight: College Preparatory-Advanced (CP-ADV)

Full Year

5 Credits

Prerequisite: Successful completion of World History and a teacher recommendation.

U.S. History I Advanced is a year-long required course that 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 College Prep (Grade: 10)

Course Weight: College Preparatory

Full Year

5 Credits

Prerequisite: Successful completion of World History CP

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.

Advanced Placement U.S. History II (Grade: 11-12)

Course Weight: Advanced Placement

Full Year

5 Credits

Prerequisite: Successful completion of AP U.S. History I only and a teacher recommendation. Students who completed US History II CP-ADV may enroll in this course as their senior year history.

This course is a continuation of Advanced Placement United States History I and is designed for students who have distinguished themselves as highly competitive and desiring a college-level course in American history. 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. **Students enrolled in this course are expected to take the Advanced Placement United States History Examination.**

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U.S. History II Advanced (Grade: 11)

Course Weight: College Preparatory-Advanced (CP-ADV)

Prerequisite: Successful completion of U.S. History I and a teacher recommendation.

Full Year

5 Credits

US History II is a required year-long course that introduces its students to the key concepts, movements, events, and personalities of the history of the United States from Reconstruction to the 21st Century. Using a multi-faceted approach that includes sociological, cultural, economic, political, and diplomatic perspectives, emphasis is placed upon the impact that historical events and policies have on establishing present day political and diplomatic policies in the United States. The interrelationships between current worldwide events and American political and diplomatic positions are examined. Designed as the third year requirement in the four year course of study, this course meets the state graduation requirement for United States History. The course explores history using a thematic framework. It develops information processing skills, with an emphasis on improving the ability of students to find, critically analyze and evaluate the significance of facts and ideas. The course also requires students to build, support, defend and effectively communicate their own understanding of US History. With an emphasis on critical thinking, interpretation, analysis, and historiography, this course provides students with the analytical skills and factual knowledge necessary to assess various understandings of US History and construct their own.

U.S. History II College Prep (Grade: 11)

Course Weight: College Preparatory

Prerequisite: Successful completion of U.S. History I.

Full Year

5 Credits

US History II is a required year-long course that provides the necessary supports and appropriate pacing/depth to introduce its students to the key concepts, movements, events, and personalities of the history of the United States from Reconstruction to the 21st Century. Using a multi-faceted approach that includes sociological, cultural, economic, political, and diplomatic perspectives, emphasis is placed upon the impact that historical events and policies have on establishing present day political and diplomatic policies in the United States. The interrelationships between current worldwide events and American political and diplomatic positions are examined. Designed as the third-year requirement in the four year course of study, this course meets the state graduation requirement for United States History. The course explores history using a thematic framework. It develops information processing skills, with an emphasis on improving the ability of students to find, critically analyze and evaluate the significance of facts and ideas. The course also requires students to build, support, defend and effectively communicate their own understanding of US History. With an emphasis on critical thinking, interpretation, analysis, and historiography, this course provides students with the analytical skills and factual knowledge necessary to assess various understandings of US History and construct their own.

Advanced Placement American Government (Grade: 11-12)

Course Weight: Advanced Placement

Prerequisite: Successful completion of United States History I and a teacher recommendation.

Full Year

5 Credits

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 Government and Politics Examination.**

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Advanced Placement Psychology (Grade: 11-12)
Course Weight: Advanced Placement
Prerequisite: Teacher recommendation.

Full Year
5 Credits

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 Psychology Examination. This course may also be taken as a concurrent course through Sussex County Community College. The Sussex County Community College concurrent course equivalent is PSYC101 Introduction to Psychology.**

Advanced Placement European History (Grade: 11-12)
Course Weight: Advanced Placement
Prerequisite: US History 1 and a teacher recommendation.

Full Year
5 Credits

The AP course and exam in European History are intended for qualified students who wish to complete classes in secondary school equivalent to college introductory courses in European history. The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. **Students enrolled in this course are expected to take the Advanced Placement European History Examination.**

AP Human Geography (Grades 10-12)
Course Weight: Advanced Placement
Prerequisite: World History and a teacher recommendation.

Full Year
5 Credits

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of science's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012). **Students enrolled in this course are expected to take the Advanced Placement Human Geography Examination.**

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AP World History (Grades 10-12)
Course Weight: Advanced Placement
Prerequisite: World History and a teacher recommendation.

Full Year
5 Credits

AP World History is a rigorous college-level course focused on developing students' abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills. Five themes of equal importance — focusing on the environment, cultures, state-building, economic systems, and social structures — provide areas of historical inquiry for investigation across different periods and regions. AP World History encompasses the history of the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions. Students enrolled in this course are expected to take the Advanced Placement World History Examination.

Advanced Placement Micro and Macro Economics (Grade: 11-12)
Course Weight: Advanced Placement
Prerequisite: Teacher recommendation.

Full Year
5 Credits

This course will provide students with a thorough understanding of economic forces and concepts in the business world today. In Micro Economics, students will study the nature and functions of product and factor markets, as well as the role of government in promoting greater efficiency and equity in economies. In Macro Economics, students will analyze concepts such as national income, price determination, economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. **Students enrolled in this course are expected to take the Advanced Placement Microeconomics Examination and Advanced Placement Macroeconomics Examination. This course meets the requirements for**

Advanced Placement Capstone Seminar (Grade: 10-12)
Course Weight: Advanced Placement
Co-requisite: AP courses

Full Year
5 Credits

AP Seminar is a yearlong course in which students investigate real-world issues from multiple perspectives. Students learn to synthesize information from different sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. During the course, students complete a team project and an individual paper and presentation, as well as take a written end-of-course exam. These components contribute to the overall AP Seminar score. *** Required if earning a Capstone Diploma.**

Advanced Placement Capstone Research (Grade: 11-12)
Course Weight: Advanced Placement
Prerequisite: Successful completion of AP Capstone Seminar and concurrent enrollment in AP courses

Full Year
5 Credits

AP Research lets students deeply explore an academic topic, problem, or issue of interest to them. Students design, plan, and conduct a yearlong research-based investigation to address a research question, documenting their process with a portfolio. The course ends with a 4,000- to 5,000-word academic paper and a presentation with an oral defense which contribute to the overall AP Research course. There is no end-of-course exam. *** Required if earning a Capstone Diploma.**

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ELECTIVES

*These courses **do not fulfill** the Social Studies requirement for graduation unless taken in senior year.*

Film and History (Grades: 11-12)
Course Weight: College Preparatory

Semester
2.5 Credits

This semester course explores how films depict events in history and how films reflect the society and values contemporary to their production. Students will research the historical accuracy of events depicted in films. 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.

History & Sociology of American Sports (Grades: 10–12)
Course Weight: College Preparatory

Semester
2.5 Credits

This semester-long course (2.5 credit) examines a wide variety of social science topics related to psychology, sociology, politics, and history, using examples from sports/athletics. Topics include but are not limited to the following: racism, gender equality, violence, aggression, the role of the media, motivation, technology, physical and mental health, terrorism, coaching, learning, advertising, drugs & alcohol, gambling, group dynamics, youth sports, and performance anxiety. The course's first half will focus on the evolution of Sports in America from Native American Culture to the current day. This course is an elective and will not fulfill a senior history graduation requirement. **This course is an elective and will not fulfill the social studies requirement for graduation regardless of when it is taken.**

Bias, Discrimination and Prejudice (Grades: 11–12)
Course Weight: College Preparatory

Semester
2.5 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.

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Economics (Grades: 11–12)
Course Weight: College Preparatory

Semester
2.5 Credits

Economics is the study of how people try to solve the problems of scarcity. Society's ability to produce goods and provide services is limited, while their desire for goods and services is unlimited. This course explains how societies and individuals deal with this fundamental problem. Emphasis will be on the economy of the United States in its world setting. The student will learn about the determination of prices for goods and services, money and banking, labor, business organizations, foreign trade, the government's role in the economy, and the problems of inflation and recession. This course is designed to provide an academic understanding of the economy and the problems facing it. The course is divided into two sections; the first half of the semester consists of the microeconomic study while the second half is both macroeconomics and personal finance. Microeconomics covers scarcity, price determination, the theory of the firm externalities, and supply and demand. Macroeconomics details public finance, fiscal and monetary policy, inflation, unemployment, and economic growth to round out the semester long course. While consumer topics are covered during the course, an emphasis is also placed on critical thinking skills, as well as the understanding, application and analysis of those economic concepts. Students will learn to question, evaluate marginal costs and benefits, and explore the various ways in which one action causes secondary actions.

Global Issues (Grades: 10–12)
Course Weight: College Preparatory

Semester
2.5 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.

Sociology (Grades: 11–12)
Course Weight: College Preparatory

Semester
2.5 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.

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Psychology ADV (Grades: 11-12)
Course Weight: College Preparatory-Advanced (CP-ADV)
Pre-requisite: Teacher recommendation.

Semester
2.5 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. **This course may also be taken as a concurrent course through Sussex County Community College. The Sussex County Community College concurrent course equivalent is PSYC101 Introduction to Psychology.**

Supreme Court and Constitutional Law Honors (Grades: 11-12)
Course Weight: Honors
Prerequisite: Successful completion of U.S. History 1

Semester
2.5 Credits

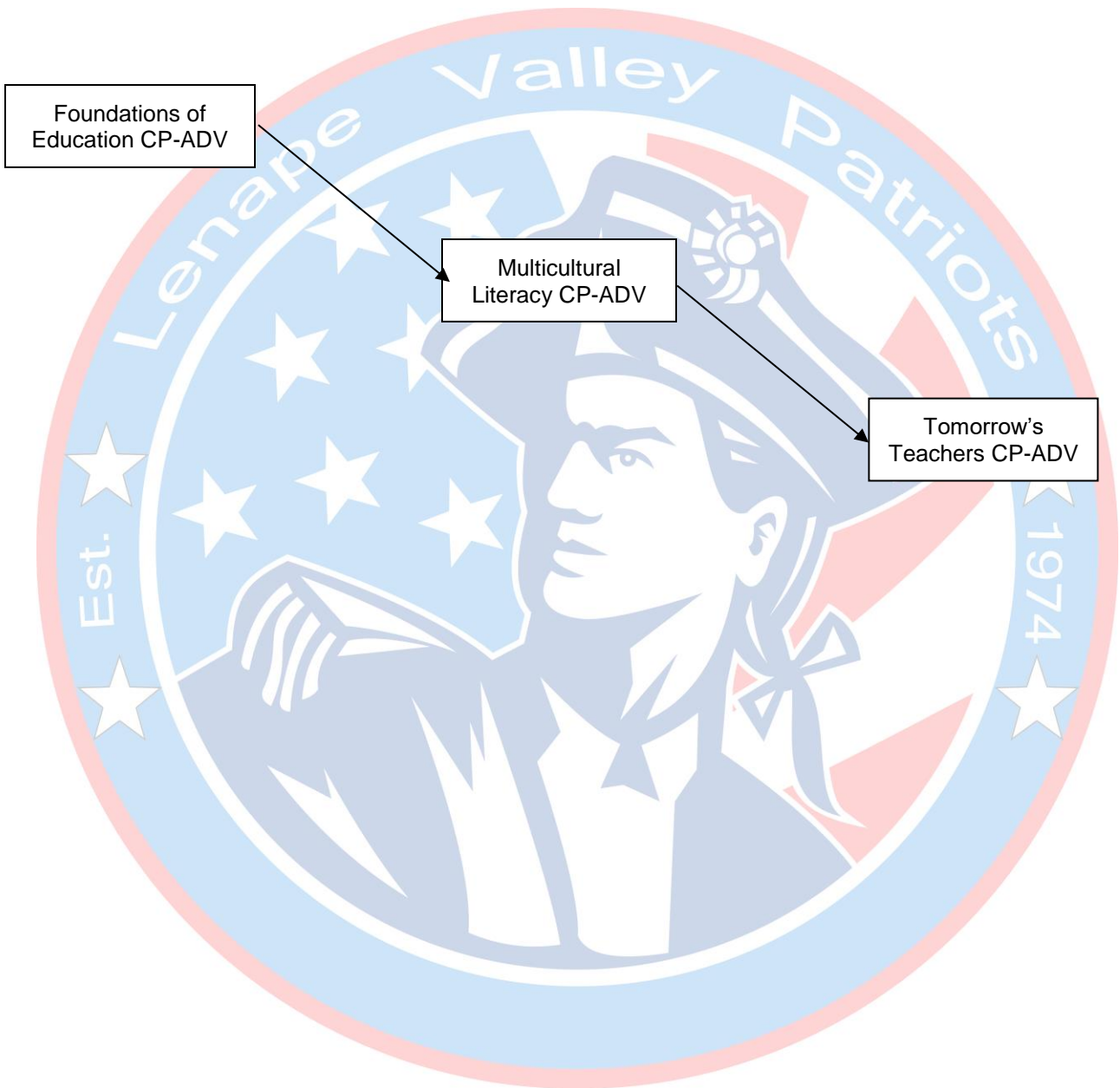
Examining the creation of the Constitution, the history of the federal judiciary and analysis of landmark cases, students learn how law is one of the most influential forces in American society. This course endeavors to help students reach new understandings about law through consideration of the following 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.

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TOMORROW'S TEACHERS DEPARTMENT

COURSE SEQUENCE



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TOMORROW'S TEACHERS DEPARTMENT

COURSE OFFERINGS

Tomorrow's Teachers Pathway courses offer students an introduction to the philosophical, historical, legal, and societal principles that form the foundations of American education. Students acquire knowledge of both classical and contemporary issues in teaching and learning. Students engage in substantial reading, analysis, writing, and presentations regarding essential topics in education as well as beyond-the-classroom observations and practicum. After completing prerequisite courses in Foundation of Education and Multicultural Literacy, students are eligible to take the full year Tomorrow's Teachers course which allows students to continue their examination of the teaching profession and partner with local school districts to implement and experience education in a real-world school setting.

Foundations of Education (Grades: 10-12)
Course Weight: College Prep-Advance (CP-ADV)

Semester
2.5 Credits

The Foundations of Education course will help students pursue their interests in education as they explore the profession of teaching. They will explore areas of specialization encompassing how theory and research can be translated into child centered, developmentally appropriate practices for children as they grow and develop. Students will be actively involved in working with early elementary aged children. This course is part of the Tomorrow's Teachers Pathway.

Multicultural Education (Grades: 10-12)
Course Weight: College Prep-Advance (CP-ADV)
Prerequisites: Foundations of Education

Semester
2.5 Credits

The Multicultural Education course explores the use of race, gender, ethnicity, religion, identity, and socioeconomics within the instruction of students. These are used as vehicles to help students learn about themselves, their place in the world, and how to teach those topics as future instructors. Students develop skills in selecting and critiquing various genres, as well as how to incorporate literature in the classroom in a developmentally appropriate manner. Through this course, students will be exposed to a variety of award-winning and multicultural literature, along with current and historical issues. In addition, students will learn how to conduct a reading & writing assessment at the elementary level and use that data to create an instructional plan. This course is part of the Tomorrow's Teachers Pathway.

Tomorrow's Teachers (Grades: 11-12)
Course Weight: College Prep-Advance (CP-ADV)
Prerequisites: Foundations of Education and Multicultural Literacy

Full Year
5 Credits

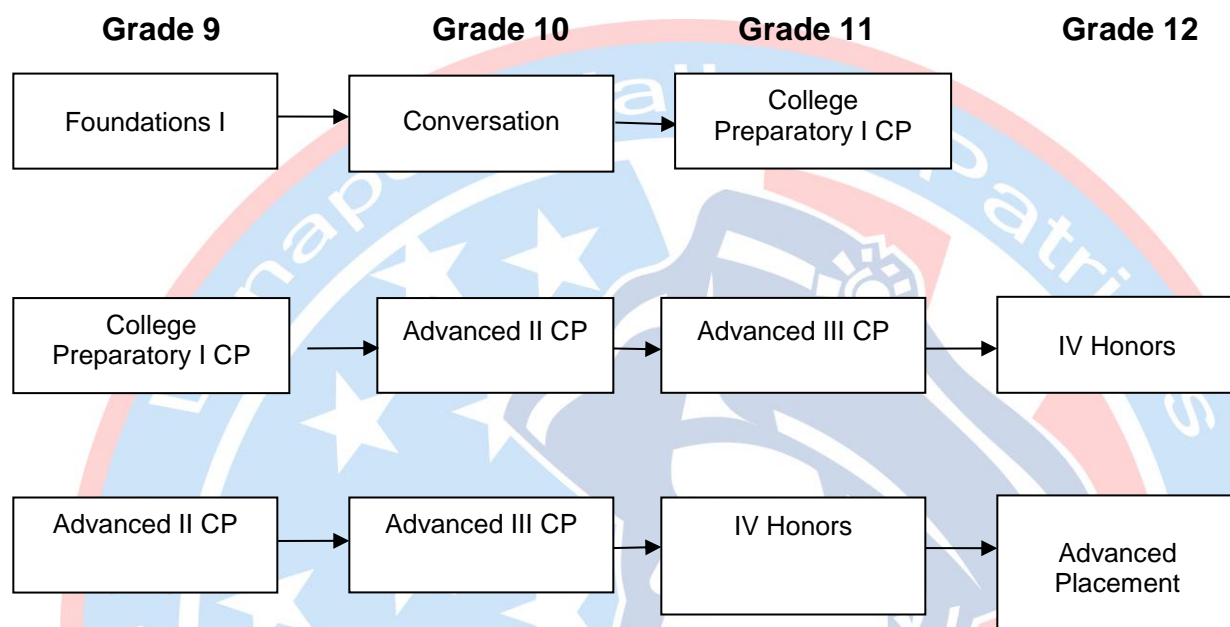
Tomorrow's Teachers is designed to introduce students to the field of education. This course will provide the opportunity to discover, through research and practice, issues in education, teaching methodologies, and classroom experiences. Content will be met by observations and a field experience in order for students to determine their interest in seeking a career in education. Tomorrow's Teachers is a capstone course for the Tomorrow's Teachers Pathway.

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WORLD LANGUAGE DEPARTMENT

COURSE SEQUENCE



LANGUAGE OFFERING
 Chinese (Levels 1-2) CP
 German (Levels 1-4)
 French (Levels 1-4, 5AP, Foundations)
 Spanish (Levels 1-4, 5AP, Foundations & Conversation Studies)

ELECTIVES
 Spanish Culture through Film CP



WORLD LANGUAGE DEPARTMENT

COURSE OFFERINGS

Lenape Valley Regional High School offers sequential study in three world languages: German, French, 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.

Students who anticipate attending a four-year 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.

Foundations Studies

Course Weight:

Full Year

5 Credits

The Foundations of Language provides students who have an IEP with the opportunity to study the culture and language of a foreign country. *Students will be admitted to this sequence only with the approval of the Child Study Team.* Students must successfully complete Foundations of Language I to satisfy the graduation requirement in World Languages.

Students who successfully complete Foundations will be prepared to continue their study of that language by enrolling in the conversation level or by beginning another language at the first level. Currently, French and Spanish are offered at the foundation studies level.

Conversation Studies

Course Weight:

Full Year

5 Credits

Prerequisite: Foundations or teacher recommendation

Conversation Studies is designed to introduce a language to students with limited or no language experience. This course focuses on conversation emphasizing pronunciation, fluency, and vocabulary. It, also, provides the knowledge, vocabulary, and linguistic structures necessary for students to use the language immediately for communication, as well as an introduction to the language and culture. The course will include the necessary oral practice of dialogue, vocabulary and basic grammar to communicate in the language at a basic level.

Currently, Spanish is offered at the conversation studies level. In addition to the study of the Spanish language, students will be exposed to the Hispanic culture of the five Spanish-Speaking regions of the world including Europe, North America, Central America, South America, and the Caribbean.

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Level I College Preparatory (Grades: 9-12)
Course Weight: College Preparatory
Prerequisite: Conversation or teacher recommendation

Full Year
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 II Advanced (Grades: 9-12)
Course Weight: College Preparatory-Advanced (CP-ADV)
Prerequisite: Successful completion of Level I College Preparatory.

Full Year
5 Credits

Level II College Preparatory-Advanced 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 III Advanced (Grades: 10-12)
Course Weight: College Preparatory-Advanced (CP-ADV)
Prerequisite: Successful completion of Level II Advanced.

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 Advanced.

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. **Level IV Honors may also be taken as a concurrent course through Sussex County Community College. The Sussex County Community College concurrent course equivalent of German 4 Honors is GRMN101 Elementary German 1, French 4 Honors is FREN101 Elementary French 1, and Spanish 4 Honors is SPAN201 Intermediate Spanish 1.**



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

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. Language courses taken at the AP level may also be taken as a concurrent course through Sussex County Community College. The Sussex County Community College concurrent course equivalent of AP Spanish is SPAN202 Intermediate Spanish 2.**

ELECTIVES

*These courses **do not** fulfill the World Language requirement for graduation.*

Spanish Culture through Film CP (Grades: 11-12)
Course Weight: College Preparatory

Semester
2.5 Credits

This course is open to juniors and seniors at Lenape Valley Who wish to learn more about the culture of the 20 Hispanic countries and 450 million people who speak Spanish as their primary language. In a world which is increasingly growing smaller, students need to be aware more than ever of the world around them. Students will read and discuss articles on contemporary issues and view films which depict many of the cultural and political aspects of the Hispanic population in the United States and abroad. This course is designed for students who have studied at least two years of college preparatory Spanish. By viewing films from many countries which depict political, social, and cultural issues, students will be able to understand and analyze some of the issues facing the Hispanic people in the twenty-first century. This course will be conducted primarily in English with some instruction in Spanish. **This course will not fulfill the foreign language graduation requirement.**

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SPECIAL EDUCATION DEPARTMENT

The Special Education Department offers a variety of program options to classified students which include self-contained, resource room, and in-class resource classes. A student's Individualized Educational Plan (IEP) is developed collaboratively with the student, parents, general education, and special education teacher to determine program placements, accommodations, and modifications.

Through their course of study, students will meet all Lenape Valley Regional High School graduation along with what is outlined in their IEPs. The focus of the curriculum will be to prepare students to demonstrate proficiency in the New Jersey Student Learning Standards as measured by the state assessments or Dynamic Learning Maps.

COLLEGE PREP ADVANCED/HONORS COURSES: Special education students who are placed in these courses may have accommodations in those classes as outlined by their IEP. They may also continue to receive supplemental help in the form of study skills, academic support, and case management. Course listings and sequencing can be found in each department's program of studies.

IN-CLASS RESOURCE COURSES (ICR): The In-Class Resource model places special education students in college prep courses taught by a general education teacher and a special education teacher. The special education teacher's role in the class is to adapt and present the general curriculum in ways that follow the individual educational needs of the special education students. Course listings and sequencing can be found in each department's program of studies.

RESOURCE LEVEL COURSES: Students who need more support and curriculum modifications than are appropriate in an in-class-resource setting may be placed in a resource room course as outlined in a student's IEP. The teacher makes modifications and adaptations to the general curriculum that address the individual needs of each student. Class size is dictated by New Jersey state code, but results in a lower teacher/student ratio.

LEARNING and/or LANGUAGE DISABILITIES (LLD) COURSES: These special class programs serve students who have similar educational needs in accordance with their Individualized Education Programs. Instruction follows the New Jersey Student Learning Standards (NJLSL) with modifications as needed to provide a successful educational experience for each pupil. Students often function more than two years below their chronological age peers in the specified curriculum area or evidence significant motivational weaknesses requiring a substantially greater degree of individualization and small group instruction. Specialized materials are selected to augment the general education curriculum and specifically meet the individual student's instructional needs. The pupils in the special class program often require a reduced pace and scope of instruction and a substantial amount of repetition to acquire the skills and content of this curriculum area.

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RESOURCE LEVEL COURSE SEQUENCE:

Grades	English	Math	Social Studies	Science	World Language
9th	English 9	Math 9 (Algebra 1 Pt 1)	World History	Environmental Science	Foundations of Spanish
10th	English 10	Math 10 (Algebra 1 Pt 2)	US History 1	Biology	Continue with mainstream sequence
11th	English 11	Math 11 (Geometry)	US History 2	Chemistry	
12th	English 12	Math 12 (Algebra 2 or Consumer Math)	US History 3		

MULTIPLE DISABILITIES COURSE SEQUENCE

Grades	English	Math	Social Studies	Science	Life Skills
9th	Functional Language Arts 9-12	Functional Math 9-12	Functional Social Studies 9-12	Functional Science 9-12	Daily Living Skills 9-12
10th	Functional Language Arts 9-12	Functional Math 9-12	Functional Social Studies 9-12	Functional Science 9-12	Daily Living Skills 9-12
11th	Functional Language Arts 9-12	Functional Math 9-12	Functional Social Studies 9-12*	Functional Science 9-12	Daily Living Skills 9-12**
12th	Functional Language Arts 9-12	Functional Math 9-12	Functional Social Studies 9-12*	Functional Science 9-12	Daily Living Skills 9-12***

*World languages is infused into the 3rd and 4th year of the sequence to fulfill the graduation requirement.

** Financial literacy curriculum is infused into the 3rd year of the sequence to fulfill graduation the requirement.

*** 21st century life and career curriculum is integrated into the 4th year of the sequence to fulfill the graduation requirement.

Study Skills (Grades 9-12)

Weight: Standard

Prerequisite: Placement by IEP.

Full Year

5 Credits

This course is designed to evaluate, improve, provide and direct the maintenance and improvement of study skills needed to successfully address general education curricular demands. The curriculum in this course includes units on time management, note-taking, outlining, studying, and taking tests. Strategies for reading, writing, and math are included in additional units of study. This course also provides individualized student support for successful performance in their general education classes. Students will learn strategies that will facilitate their acquisition, storage, and retrieval of information for utilization in academic subjects and practical applications.

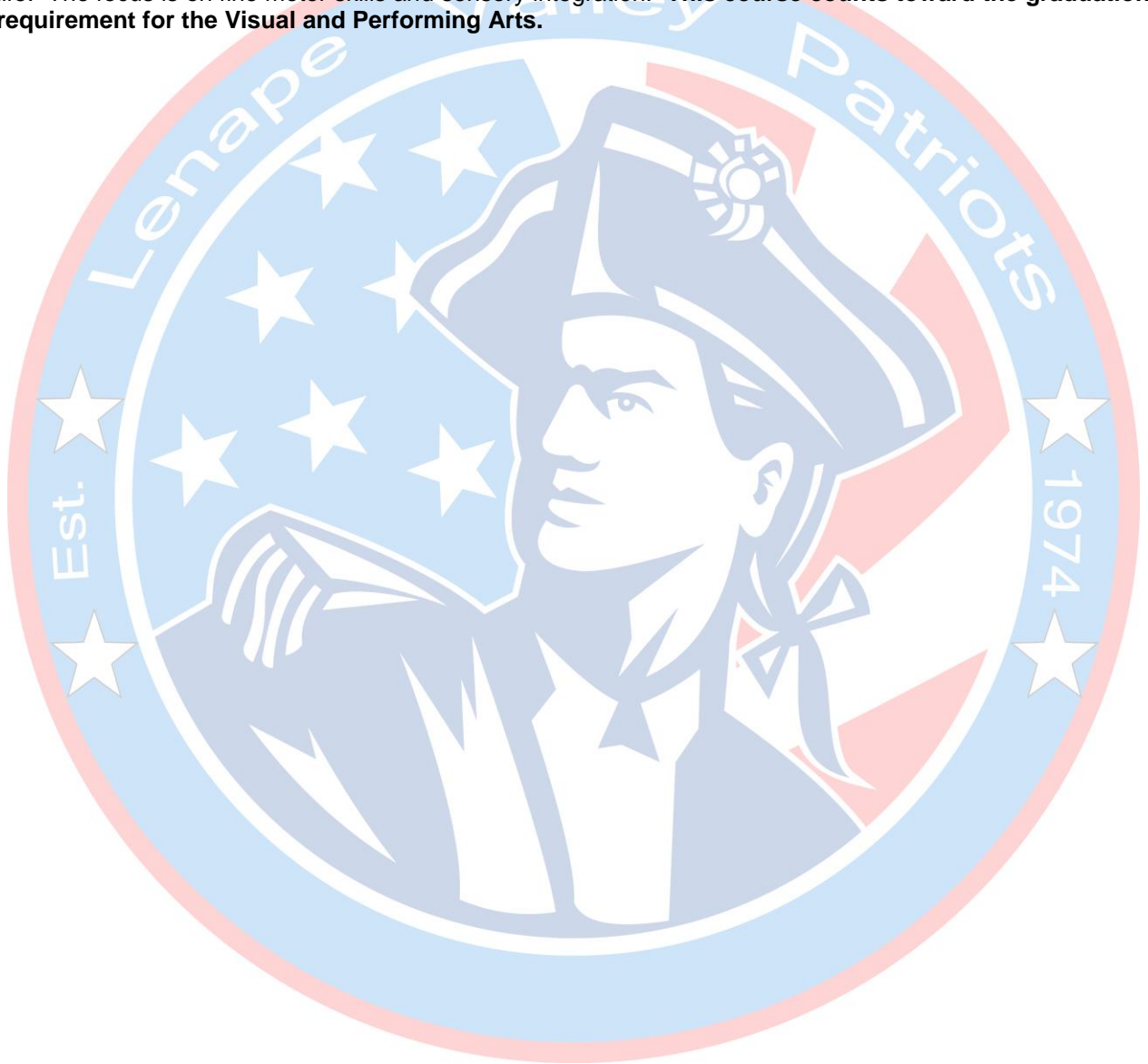
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Practical Arts (Grades 9-12)
Weight: Standard
Prerequisite: Placement by IEP.

Full Year
5 Credits

This course is designed for the MD, LLD, and Life Skills students. Students try every type of art medium, experience art therapy, artistic life skills, and creative projects that they can use or sell in everyday life. The focus is on fine motor skills and sensory integration. **This course counts toward the graduation requirement for the Visual and Performing Arts.**



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SPECIAL PROGRAMS

SAT Prep (Grade: 10-11)

Course Weight: College Preparatory

Prerequisites: Successful completion of Algebra 1 and Geometry or equivalent.

Semester

2.5 Credits

This course is designed to help students gain a better understanding of the SAT, specifically types of questions asked, content covered, best test-taking strategies, how the test is scored, and best practices when preparing for the test. This course alternates instruction in mathematics and critical reading and is taught by both a math and English certified teacher. Students are required to purchase a text that is determined by their teacher. The successful student in this course is self-motivated, organized, attentive, resourceful, and prepared.

Independent Study (Option 2)

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.** The grade earned on the Independent Study Project is not applied to the calculation of GPA/Rank. No credit for Independent Study will be granted without prior approval of the Board of Education.

Community Service (Grade: 9-12)

Course Weight: These credits are not factored into the GPA

Semester

2.5 Credits

Lenape Valley Regional High School offers students the opportunity to earn 2.5 credits by completing and documenting 40 hours of community service. A grade of Pass or Fail will be awarded on the transcript. These credits will not factor into the Grade Point Average (GPA). Several Lenape Valley classes, activities and athletic programs provide acceptable opportunities to complete service hours. Additional service opportunities are emailed to students when available and a list of service organizations can be found on the Guidance website under the *All Students* tab. Students may seek their own service opportunities with community organization. Service may NOT be done for family members, for companies, or for financial gain. School service must be logged and verified by the student using the **LRHS Service Form for School Activities**. Service completed in the community must be logged and verified by the student using **LVHS Service Form for Community Activities**. Forms documenting 40 hours must be submitted to the counselor to earn these credits.

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English as a Second Language (Grade:9-12)
Course Weight: Standard
Co-requisite: Grade-Appropriate English Course

Full Year
5 Credits

The English as a Second Language (ESL) course is designed to align with New Jersey's mandate that all English Language Learners (ELLs) have access to curriculum that strengthens their reading, writing, speaking and listening skills. Its curriculum will address the academic, social, and cultural aspects of the English language, while valuing each student's unique ethnic traditions. The teacher will differentiate instruction based upon the student's present level of English language acquisition. Prospective ESL students will be administered the WIDA screener test either in September or upon entry to the school (unless a score from a previous school exists) to determine if the course is appropriate. Daily lessons, activities and assessments will bolster performance in other classes and prepare students for the WIDA Access 2.0 test administered in the spring. The state currently required a 4.5 (on a 1 - 6 scale) to successfully complete (and exit) the program. ESL students will simultaneously be enrolled in and must pass their separately scheduled English course in order to work towards a diploma. This course does not fulfill and may not be counted towards the NJ state minimum graduation requirement of 20 credits in the Language Arts Literacy content area.

Portfolio Appeals: English (Grade:12)
Course Weight: Standard
Co-requisite: Grade-Appropriate English Course

Semester or Full Year
2.5 or 5.0 Credits

This course is required of all seniors who have not met the graduation testing requirement by either demonstrating proficiency by passing the mathematics component of the NJGPA or by meeting the designated cut score on a substitute competency test. An intensive review of the NJGPA topics is done prior to the Fall Administration of the NJGPA. After the Fall Administration, the Portfolio Appeals process will begin. It is mandated by the New Jersey State Department of Education that to be eligible for graduation, all students must either pass the mathematics component of the NJGPA, meet a designated cut score on a substitute competency test or successfully complete and submit a Portfolio Appeal. If a student passes the mathematics component of the NJGPA on the Fall Administration, he/she will be moved out of the class at the end of the second marking period and will receive 2.5credits.

Portfolio Appeals: Mathematics (Grade:12)
Course Weight: Standard
Co-requisite: Grade-Appropriate Mathematics Course

Semester or Full Year
2.5 or 5.0 Credits

This course is required of all seniors who have not met the graduation testing requirement by either demonstrating proficiency by passing the mathematics component of the NJGPA or by meeting the designated cut score on a substitute competency test. An intensive review of the NJGPA topics is done prior to the Fall Administration of the NJGPA. After the Fall Administration, the Portfolio Appeals process will begin. It is mandated by the New Jersey State Department of Education that to be eligible for graduation, all students must either pass the mathematics component of the NJGPA, meet a designated cut score on a substitute competency test or successfully complete and submit a Portfolio Appeal. If a student passes the mathematics component of the NJGPA on the Fall Administration, he/she will be moved out of the class at the end of the second marking period and will receive 2.5credits.

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