PROGRAM OF STUDIES 2025-2026



VERNON TOWNSHIP HIGH SCHOOL

2025-2026

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INTRODUCTION

The staff at Vernon Township High School strives to provide an educational environment that promotes learning experiences, which enable each student to reach his or her potential. It is our belief that academic excellence is within the reach of all students. Of equal importance is our concern for each student's personal growth and social responsibility. We are committed to providing a positive environment in which staff, students, parents and the community at large can work together to encourage decision-making, problem solving and a spirit of service to our neighbors. This collaboration fosters learning and promotes the highest level of student and staff performance. Through the integration of technology, the district seeks to enhance the delivery of instruction and prepare students and staff to compete successfully in an ever changing world. The program of studies has been developed to provide you and your parents/guardians with valuable information regarding graduation requirements, curriculum, course descriptions and suggestions for developing a four-year program based on your future goals and interests. It is recommended that you take advantage of the many and varied course offerings and activities available to you at Vernon Township High School.

It is extremely important that you treat the development of your program for the next year with care. Please understand that the high school master schedule is developed based on your course requests at the time of scheduling. The schedule is built on the assumption that your requests have been made after discussions with your parents/guardians, teachers and counselor. The integrity of your requests has implications for staffing, books, supplies, and room assignments. We make every effort to honor those requests. Therefore, upon completion of the open portal scheduling process, your schedule will be locked. **Requests for the personalization of schedules based on teacher, class, period, or friend preferences will not be honored.** Requests for level changes may be considered through the first marking period as a result of a parent/teacher/student/counselor/director conference. Please make every effort to make your course selections with these thoughts in mind.

21st CENTURY LEARNING EXPECTATIONS

Responsible Citizens observe policies and expectations for behavior. They are able to work cooperatively, collaboratively, and independently as appropriate to a learning task. They take steps to achieve personal, academic, and career goals. They are able to make informed decisions concerning health, diet, and exercise in order to maintain a healthy lifestyle. They participate in their school and community in order to understand and preserve our democratic process, our culture and our environment. They consider other points of view in order to make ethical decisions and to live productively in a diverse society.

Critical Thinkers and Problem Solvers read, comprehend, synthesize and reflect on content area materials and scholarly resources. They have organizational and study skills with which to accomplish their work. They collect and evaluate data to identify patterns, make inferences and draw conclusions. They manipulate, combine and apply formulae. They predict reasonable results using estimation and conceptual knowledge. They develop and test hypotheses, drawing conclusions from experiments, data and research. They discuss, analyze, and evaluate in light of historical precedent, current events and civic responsibilities. They observe, analyze, and present ideas, feelings and beliefs about cultures and societies.

Researchers work with a variety of print resources and technological applications to increase learning. Researchers are able to identify and apply technology to an academic task. They use technology responsibly to obtain, organize and communicate information to solve problems. They are able to evaluate the accuracy, usefulness and appropriateness of information resources.

Effective Communicators are able to read, write and speak English as well as listen to, understand and communicate in another language. They participate in discussions by listening, asking questions and responding. They design and compose work for a variety of audiences and purposes. They use the vocabulary and symbolic language specific to content areas such as math and music. They use a repertoire of skills and techniques to create and interpret works in a variety of media such as the fine and performing arts, as well as film and other forms of communication.

REQUIREMENTS FOR HIGH SCHOOL GRADUATION

Graduation requirements are outlined on the following chart and are subject to change pending policy review by the State Department of Education. Students will need to demonstrate proficiency in the New Jersey Student Learning Standards. To graduate, students must:

- satisfactorily meet Vernon Township High School attendance requirements.
- satisfactorily complete the **minimum number of credits** as indicated below.
- satisfactorily complete the **course requirements** listed below.

The Vernon Township School District recognizes that some students may have difficulty earning the requisite credits for graduation during the course of the VTHS academic year. These students are encouraged to contact their school counselors to explore credit recovery options on a case-by-case basis according to students' individual circumstances.

Overview: Graduation Requirements

Years Require d	Course Description	Credits Needed
4 Years	Physical Education/Health	20 Credits
4 Years	English Language Arts	20 Credits
3 Years	Mathematics (includes Algebra I, Geometry & a course that builds on these first two years)	15 Credits
3 Years	Social Studies (Includes World History, US I, II)	15 Credits
3 Years	Science (Includes laboratory biology/ life science or content equivalent, laboratory physical science, and a laboratory/inquiry-based science courses - e.g., chemistry, environmental science, or physics)	15 Credits
1 Year	World Language (4 year college/universities require 2 years)	5 Credits
1 Year	Visual/Performing Arts	5 Credits
1 Year	21st Century Life and Careers (students must satisfy requirements within category)	5 Credits
½ Year	Financial Literacy	2.5 Credits
	Additional Credits in Academic Electives	27.5 Credits
	Minimum Credits Required for Graduation	130 (2022 and beyond)

Most lab classes meet six times per week and are valued at six credits (The 6th class will come out of lunch.) Most subject classes meet five times per week for a full year and are valued at five credits. Semester classes meet five times per week for a half-year and are valued at 2.5 credits.

Promotion Policy

Students in Grades 9 through 12 must meet state and local requirements for graduation. In addition, students must successfully earn at least 30 credits, of the total graduation credits at the end of each year of high school:

Grade	Credits
10	30
11	60
12	90

NOTE: Students failing to meet the minimum credit requirement at each level will remain at the previous year's grade status. It is therefore advised that he/she attend a district approved summer school program in order to pass the failing course(s).

Elective Courses That Meet Graduation Requirements

Visual/Performing Arts (5 Credits)

Acting One-Theater Fundamentals Orchestra
Acting Rep Orchestra ACP

Acting Rep ACP Painting and Design, Art II

Art Major, Art III ACP Photography

AP Art and Design Photography Major ACP

Computer Graphics I ACP Piano Lab

Computer Graphics II ACP Principles of Acting
Computer Graphics III ACP Publication Design

Digital Art Sculpture I
Concert Band Sculpture II
Concert Choir Tech Theater I
Drawing & Painting Art I

Drawing & Painting, Art I Tech Theater II

Meistersingers ACP Unified Art

Music Theory I ACP Unified Music

Music Theory II AP Unified Theater

Music Theory III Honors Wind Ensemble ACP

21st Century Life and Careers (5 Credits)

21st Century Business App ACP Culinary IV: International Hospitality

Accounting I ACP Basic Foods
Accounting II ACP Intro to Business Management ACP

Entrepreneurship ACP Intro to Electrical Trades & Construction ACP

Cosmetology I Marketing I ACP
Cosmetology II Marketing II ACP

Cosmetology III PLTW Civil Engineering & Architecture ACP

Cosmetology IV PLTW Cyber Security ACP

Digital Game Development ACP CC & Web

Design & Server Development ACP CC

Dynamics of Healthcare in Society Honors

PLTW Engineering & Design Development H

PLTW Intro to Engineering Design ACP

PLTW Principles of Engineering ACP

Clinical Emergency Care/First Response PLTW AP Computer Science Principles CC

Anatomy & Physiology I ACP Practical Craftsmanship

Anatomy & Physiology II ACP Human Anatomy & Physiology ACP

Culinary III: Culinary Business Management
Culinary III: Restaurant Management

Culinary I: Intro to Culinary

Financial Literacy

21st Century Business App ACP Accounting I ACP Civics & Society ACP Culinary II: Culinary Business Management Economics ACP Business & Personal Fin Lit/Pathways Financial Literacy (2.5 Credits)

ATHLETIC ELIGIBILITY

The NJSIAA establishes the criteria for student/athlete academic eligibility for participation in any athletic program at the high school level. All students who wish to participate in interscholastic athletic programs must have passed 30 credits at the conclusion of the academic year (including summer school) in order to be eligible for fall and winter sports season. Each student must be passing 30 or equivalent (6 courses) by the end of the first semester (1st two marking periods) in order to be eligible for the spring season. Any student/athlete who needs clarification of academic eligibility or his/her academic status should see their counselor PRIOR TO signing up for a sport. *Placement on the activity removal list may impact student participation dates (see student handbook).

GRADE REPORTING

Quarterly grades will be posted on the Parent Portal at the conclusion of each marking period under the GRADES tab. Throughout the marking periods and in between quarterly marking period reporting, students and parents may check their student's grades using the Genesis Parent Portal under the GRADEBOOK tab. When doing so, please note that grades in progress may only reflect an average of the grades that have been recorded as of that date and time. Only final averages will appear on a student's high school transcript.

INSTRUCTIONAL LEVELS

Meeting the instructional needs of students is a major goal of a comprehensive high school. Realizing that we serve students with varying abilities, our instructional program incorporates several different levels designed to meet the objectives indicated below. Students are encouraged to participate in courses that are compatible with their interests, ambitions and motivation.

Honors & AP	Requires the highest degree of personal motivation and academic commitment. Course content is rigorous and demands are extensive. All honors/AP courses are subject to a summer assignment which may include an assessment upon the start of the school year.
ACP (Adv. College Prep)	For the committed student seeking comprehensive academic preparation for a highly competitive higher education.
CP (College Prep)	For the student seeking comprehensive preparation for higher education.
Special Services	Instruction is designed to accommodate student IEPs and to prepare students for independent lives with the ability to

function beyond high school. Enrollment is restricted.

COURSE GRADING PROFILES

Course grading profiles have two categories: Major Grades and Minor Grades

Examples of Major Grades: Tests, Projects, Formal Labs, Research Essays, Quizzes Examples of Minor Grades: Classroom Assignments, Homework, Participation grades, or anything deemed appropriate by the course instructor.

The breakdown of major grades for a course grade increases with the level of rigor for courses.

Course Level	Major Grades	Minor Grades
CP/POR/General	60%	40%
ACP	70%	30%
Honors/AP	80%	20%

GRADE POINT AVERAGE AND CLASS RANK

A student's Grade Point Average (GPA) is calculated by:

- Multiplying the earned grade in a course by one of the following multipliers:

•	Unweighted/CP Courses	1.00
•	ACP Courses	1.02
•	Honors	1.06
•	AP	1.09

- Multiplying the enhanced grade in each course by the number of credits in the course
- Adding the totals of all courses
- Dividing the final total by the number of credits attempted.

Honor roll status is based on the actual numerical grade attained at the end of each marking period. The numerical value is not weighted based on the instructional level of the course the student is enrolled in.

Class rank is then calculated by arranging the individual grade point averages of all students in each grade level from highest to lowest. Numerical average and class rank are calculated once per year, prior to the start of the school year.

Beginning with the Class of 2027, students' class rank will no longer be reported. Though students' class rank will neither be reported nor published, students' class rank will continue to be confidentially tabulated by the district for the purposes of compliance (e.g., scholarships dependent on one's class rank, entry into out-of-district and merit-based

programming).

OPTION II COURSE OPTIONS

Vernon Township High School provides students with the opportunity to enroll in courses for credit recovery, program acceleration, course replacement, and, where appropriate, through Option II. To pursue these opportunities, students must obtain administrative approval. Courses taken without prior approval will not be recognized for credit.

Participation in Option II requires completing an application process outlined on the high school counseling website. This process includes application submission, evaluation, and assessment. All costs associated with these courses are the responsibility of the student and their parent/guardian.

Credit toward graduation is awarded upon the successful completion of assessments demonstrating that the student has met or exceeded the New Jersey Student Learning Standards at the high school level. It is important to note that credits earned through Option II will not be included in a student's GPA calculation.

For more information or assistance with these options, please contact your school counselor.

CAREER AND COLLEGE PLANNING

As students and parents plan a high school program, it is important to keep one's goals in mind. Courses taken in high school most often provide the means to achieving an individual's goal of entering a two or four year college, a career school, military service, or full-time employment. Vernon Township High School Counselors are ready sources of information on high school programming and planning for colleges and careers. Serving in an advisory capacity, counselors can be helpful to both students and parents when choices must be made. Through counseling, group meetings, Naviance and other online resources, both students and parents can learn about admission requirements, types of training, and future opportunities in a variety of fields.

COLLEGE REQUIREMENTS

FOUR-YEAR COLLEGE

Generally, four year state colleges require a minimum of 16 academic units (several have increased that to 18) at the advanced college prep level or higher for admission. Academic units are course offerings from the English, Math, Social Studies, Science and World Language departments. Many of the more competitive colleges/universities may require more with additional expectations in Math, World Language, and Science.

English 4 Courses

Algebra I & II, Geometry 3-4 Courses

Laboratory Science 3-4 Courses

US & World History 3 Courses

World Languages 2-4 Courses

Academic Related Electives 4 Courses

Elective units will vary according to a student's interests and/or planned career choice. It is important that students and parents consult individual college websites and/or catalogs as well as college guidebooks to determine academic and elective requirements at colleges of interest. Early and continued program planning by students and parents is strongly recommended, as particular elective areas may have course sequences which require up to four years to complete.

Four year colleges are most likely to consider the following factors in order of importance when determining a student's eligibility for admission.

High School Record - Curriculum Rigor, grade point average, class rank

Test Results - Standardized test scores (SAT, ACT)

Recommendations- Letters submitted by teachers, counselors, and others assessing a student's performance and character.

Involvement - Activities outside the classroom often play an important part in developing leadership, maturity and discipline. Colleges look for consistency and commitment rather than number of activities and memberships.

COMMUNITY COLLEGE/TRANSFER PROGRAMS

New Jersey community colleges generally have an open admission policy. High school graduation or successful completion of a GED program is required for matriculation. All community colleges will require minimum SAT scores or an Accuplacer test to determine readiness for college level courses. Certain programs such as nursing may have additional requirements. Preparation for success at the community college is essentially the same as preparing for the first two years at a four-year institution. College level work is expected.

English Language Arts 4 Courses

Math 3-4 Courses

Science 3-4 Courses

US & World History 3 Courses

World Languages 1 Course

Academic / Career-Related Electives 4 Courses

Career / Major-Related Electives 4 Courses

TWO-YEAR COLLEGE, CAREER SCHOOL, MILITARY SERVICE, and FULL-TIME EMPLOYMENT

Although these programs usually require no more than a high school diploma, students entering such programs should have a solid background in written and spoken English, mathematics and an understanding in applied science and computer applications. Since the objective of these programs is to train skilled workers, the student with a solid academic background has a better chance of being placed in a lucrative and satisfying job.

TESTING

Throughout the school year, the district sponsors various tests. The PSAT is administered each fall to sophomores and juniors. The SAT is administered in the fall and spring of each year. These tests measure a student's verbal and mathematical reasoning ability to apply the knowledge. The SAT's are used by most four-year colleges as part of their admission/placement process. The Armed Forces Vocational Aptitude Battery (ASVAB) may be administered to interested juniors and seniors to assist them in determining vocational strengths and career alternatives. Juniors and seniors interested in pursuing a military career may also take the ASVAB for placement purposes.

NCAA ELIGIBILITY REQUIREMENTS

The National Collegiate Athletic Association (NCAA) sets academic and amateurism requirements for student-athletes who wish to participate in college sports at the Division I, II, or III levels. Students interested in competing should follow these key guidelines:

1. NCAA Eligibility Center Registration:

- Students planning to compete at the Division I or II level must register with the NCAA Eligibility Center HERE
- Students should register for a free Profile Page account their Freshman year. They can transition their account to a certification account as needed, once they start being actively recruited by an NCAA school.

2. Academic Requirements:

- **Core Courses:** Students must complete NCAA-approved core courses in English, math, natural/physical science, social science, foreign language, or comparative religion/philosophy. Approved NCAA core courses are identified throughout this Program of Studies with the following symbol ...
- **Grade-Point Average (GPA):** A minimum GPA in NCAA-approved core courses is required; the specific requirement varies by division.
- **Standardized Test Scores:** Students should check with the NCAA school they plan to attend regarding whether standardized test scores are necessary for admission or scholarship requirements.

Division I Requirements:

- Complete 16 NCAA-approved core courses:
 - o 4 years of English
 - o 3 years of math (Algebra I or higher)
 - o 2 years of natural/physical science (including one lab)
 - o 1 additional year of English, math, or science
 - o 2 years of social science
 - 4 additional years of core courses from any category above or foreign language, philosophy, or comparative religion
- Minimum 2.3 GPA in core courses
- Ten of the 16 core courses must be completed before the start of the senior year.
- Pass all amateurism certification requirements.

Division II Requirements:

- Complete 16 NCAA-approved core courses:
 - o 3 years of English
 - o 2 years of math (Algebra I or higher)
 - o 2 years of natural/physical science (including one lab)
 - o 3 additional years of English, math, or science
 - o 2 years of social science
 - 4 additional years of core courses from any category above or foreign language, philosophy, or comparative religion
- Minimum 2.2 GPA in core courses
- Pass all amateurism certification requirements.

3. Amateurism Certification:

 Student-athletes must maintain amateur status by avoiding contracts with professional teams, accepting salary for athletic participation, or receiving benefits beyond actual and necessary expenses.

4. Transcripts and Graduation:

- Official high school transcripts must be submitted to the NCAA Eligibility Center. Please reach out to your High School Counselor to request your transcript be sent.
- Students must graduate on time, meaning within four years of starting high school.

5. Division III Considerations:

• Division III schools set their own eligibility rules, and students should contact the schools they are interested in for details.

For more information and updates, visit <u>ncaa.org/playcollegesports</u> or speak with your school counselor.

Resources:

NCAA Interactive Map

2024-2025 Guide for the College Bound Student Athlete

NCAA Division I & Division II Worksheets

COURSE REQUESTS AND THE SCHEDULING PROCESS

Overview: School Counseling Office

The primary goal of the Office of School Counseling is to assist VTHS students in their academic, social and emotional development. In keeping with the New Jersey School Counselor Association (NJSCA) and American School Counseling Association (ASCA), the NACAC, School Counselors provide services relative to the personal, academic and career domains. Individual and group counseling, crisis intervention, career assessment, classroom guidance, and college and vocational services are provided on an ongoing basis.

Each year, School Counselors meet with students to look ahead and plan courses of study for the following school year. This is the time for serious decision-making. The courses that students take during their four years of high school form the basis of their academic records and become the groundwork for post-high school options. Course selections and adjustments involve the counselor, student, parent and teacher. It is critical that the choices made during this process are well informed and offer the best opportunity for academic success.

The high school master schedule is created on the foundation of students' choices and is built on a series of decisions made to accommodate course selections.

Scheduling – Process Overview and Important Deadlines

Spring Students submit their **course requests** for the following school year

Late Summer Students receive their **class schedules** for the upcoming school year

September 12th Deadline for students to **add** a course to their class schedules

September 30th Deadline to **withdraw** from a course for a study hall (upperclassmen only)

End of MP1 Deadline to **change a level** within the same course

Scheduling – Course Requests

Please be advised that students' course requests may not be fulfilled. On students' course request sheets, there are additional spaces allotted for alternate course requests. In the event that a student's course request cannot be fulfilled, counselors/case managers use the students' selections indicated within these spaces to complete students' schedules.

Students may only request courses if they are eligible to take these courses. A student's eligibility for prospective course selections is subject to several considerations that vary across course levels and departments. These considerations may include—but are not limited to—the following:

- Some courses may only be taken within a sequence of scaffolded courses (e.g., English I, English II, English IV).

- Some courses require a student to demonstrate proficiency of course subject matter and skills within a prerequisite class.

Some courses require a teacher's recommendation for a student to be automatically considered for enrollment in the course. Students who do not receive such recommendations are free to appeal their (lack of) teachers' decision to omit their recommendations. In these circumstances (e.g., Honors, AP), students can receive a waiver.

Scheduling – Waiver Process

Students may, along with their parents, sign a waiver to enter a higher level course than prerequisites allow. Students' placement in courses entered via the waiver process are subject to supervisory approval, according to factors such as the class's size, staffing, and a course section's availability.

Students in College Prep classes must be earning at least an 85 in order to be eligible for a waiver.

Scheduling - Adding or Withdrawing from Courses

Adding a Course: A student may add a course to one's schedule until 9/12/25.

Withdrawal from a A student may drop a course—for which the student will *not* earn credit **Course (W)**: or a report card grade— until 9/30/25.

Dropping a Level within the Same Course (LD):

In order for a student to drop a level within the same course, a meeting must be scheduled with their academic counselor, an academic supervisor, and a parent/guardian. The decision will then be made collectively.

If, due to an extenuating circumstance, an administrator approves a

course drop past the deadline of 9/30, the student will receive either a WP or WF on their transcript for the course. If at the point of course withdrawal, the student is *passing* (i.e., the student's cumulative average up to the withdrawal date is 65 or higher), the student will receive a **Withdrawal from a Course for a Passing Grade** (i.e., "**WP**") on the student's academic record. Upon withdrawal, the student who receives the **WP** distinction is recognized as *passing* at the time of withdrawal, but the student *forfeits all of the course's credits*, regardless of the withdrawal date. If, at the point of course withdrawal, the student is *failing* (i.e., the student's cumulative average up to the withdrawal date is 64 or lower), the student will receive a **Withdrawal from a Course for a Failing Grade** (i.e., "**WF**") on

the student's academic record. Upon withdrawal, the student who receives the **WF** distinction is recognized as *failing* at the time of withdrawal, and the student *forfeits all of the course's credits*,

Withdrawal from a Course (extenuating circumstances only):

regardless of the withdrawal date.

All core academic courses will be scheduled based on prerequisite grades. If a student chooses to appeal their placement, they may do so in writing to their counselor and academic supervisor.

Students make course requests online. Following their course requests, students meet with their counselors to determine:

- graduation requirements,
- teacher recommendations,
- prerequisites,
- student interests, and
- future plans.

Scheduling - Reasons for Changing a Student's Courses

Students desiring schedule changes should consult with their school counselors. Students' requests will be reviewed on a case-by-case basis. Changes to students' schedules *after* 09/12/25 require approval from the relevant subject matter supervisor. Clerical errors on schedules will be rectified by the School Counseling Department.

Changes to students' schedules will be made under the following circumstances:

- 1. Correcting a clerical error made during the scheduling process;
- 2. Administrator- or teacher-initiated changes made in the best interest of the student (e.g., placing the student among peers most conducive to the student's learning goals, placing the student in a context most conducive to a particular level of in-class support);
- 3. Recommendation of the RTI or 504 Committees and/or Child Study Team;
- 4. If a student who fails a course is placed with the same teacher of the course the following school year, the student may request to take this course with a different teacher.
- 5. In the judgment of the relevant subject supervisor and counselor, the selection of a course is deemed inappropriate due to the student's previous performance on relevant assessments or in relevant coursework.

GRADING POLICY for LEVEL and SCHEDULE CHANGES

Students making approved schedule changes are responsible for their new class's unsubmitted assignments. Students making approved changes to their course level are to retain the previously earned course grade, calculated at the level the student is entering.

CTE TRACK PROGRAMS

We have partnered with several accredited colleges and universities and are proud to offer our students several CTE programs (Career and Technical Education). We currently offer 8 CTE programs in the following fields: Allied Health Science, Computer Science, Graphic Design, Marketing, Cosmetology, Engineering and Hospitality Administration/Management. CTE programs strengthen the pipeline to college and careers by effectively engaging the students and providing them with the knowledge, training, academic and technical skills to succeed in the future. Our current CTE tracks are sequenced as follows:

Allied Health: Dynamics → Anatomy & Physiology I → Clinical Emergency Care

Engineering: Intro to Engineering → Principles of Engineering → Civil Engineering

Cosmetology: Cosmo II \rightarrow Cosmo III \rightarrow Cosmo IV

Graphic Design: Comp Graphics II \rightarrow Comp Graphics III

Marketing: Intro to Business Management \rightarrow Marketing I \rightarrow Marketing II

Computer Science: AP Comp Sci Principles PLTW \rightarrow Web Design & Server Development ACP with Digital Game Development ACP \rightarrow PLTW Cybersecurity ACP

Hospitality: Culinary $1 \rightarrow$ Culinary $2 \rightarrow$ Culinary $3 \rightarrow$

DUAL ENROLLMENT CLASSES

Vernon Township High School has partnered with Sussex County Community College, Seton Hall University, Syracuse University, Rutgers University, and Fairleigh Dickinson University to offer concurrent enrollment courses for students in selected courses. College credits earned will be listed on an official college transcript and may be applied toward an undergraduate degree at the affiliated school or other college depending on that institution's policies.

VTHS COURSE	AFFILIATION	# of CREDITS	TUITION
Anatomy & Physiology I ACP	Rutgers	4 Credits	
Dynamics of Healthcare	Rutgers	3 Credits	
Emergency Clinical Care	Rutgers	2 Credits	

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AP Literature and Composition	Seton Hall	3 Credits	\$110 per credit
Spanish AP	Seton Hall	3 Credits	\$110 per credit
US History I Honors	Seton Hall	3 credits	\$110 per credit
US History II AP	Seton Hall	3 Credits	\$110 per credit
21st Century Bus Applications ACP	SCCC	3 Credits	\$75 per credit
Calculus AP AB	SCCC	4 Credits	\$75 per credit
Calculus AP BC	SCCC	4 Credits	\$75 per credit
Chemistry AP	SCCC	8 Credits	\$75 per credit
Comp Graphics I	SCCC	3 Credits	\$75 per credit
Comp Graphics II	SCCC	3 Credits	\$75 per credit
AP Computer Science Principles	SCCC	3 Credits	\$75 per credit
Cosmetology I	SCCC	7 Credits	\$75 per credit
Cosmetology II	SCCC	7 Credits	\$75 per credit
Cosmetology III	SCCC	7 Credits	\$75 per credit
Cosmetology IV	SCCC	7 Credits	\$75 per credit
Economics	SCCC	6 Credits (2 classes)	\$75 per credit
Environmental Science AP	SCCC	4 Credits	\$75 per credit
Intro to Business Management	SCCC	3 Credits	\$75 per credit
Marketing I	SCCC	3 Credits	\$75 per credit
Marketing II	SCCC	3 Credits	\$75 per credit
Culinary III - Rest. Management	SCCC	4 Credits	\$75 per credit
Intro to Engineering Design	SCCC	3 Credits	\$75 per credit
Precalculus ACP	SCCC	3 Credits	\$75 per credit
Precalculus AP	SCCC	3 Credits	\$75 per credit
Prob & Stats ACP	SCCC	3 Credits	\$75 per credit
Web Design & Server Development ACP	sccc	3 Credits	\$75 per credit

Digital Game Development	SCCC	3 Credits	\$75 per credit
AP Language and Composition	SCCC	3 Credits	\$75 per credit
AP Literature and Composition	SCCC	3 Credits	\$75 per credit
AP Psychology	SCCC	3 Credits	\$75 per credit

COURSE DESCRIPTIONS

Business Department

English Department

Family & Consumer Sciences

Engineering & Technology Education Department

Mathematics Department

Performing Arts Department

Health & Physical Education Department

Science Department

Social Studies Department

Visual Arts Department

World Language Department

Special Services

BUSINESS DEPARTMENT

Business Course Sequence: 2025-2026



BUSINESS DEPARTMENT ELECTIVES

21st Century
Business
Applications ACP

Accounting I ACP

Accounting II ACP

Business &
Personal Financial
Literacy

Economics ACP

Entrepreneurship
CP

BUSINESS DEPARTMENT: COURSE DESCRIPTIONS

21st CENTURY BUSINESS APPLICATIONS ACP (VBUS4051)

5 Credits

This course is designed for students to learn how to effectively utilize Microsoft Office applications in the 21st Century as it relates to business and their daily lives. Students will learn the basic competencies of each application with an emphasis on software integration skills, formatting, word processing, spreadsheets, databases and graphics. The skills developed in this course will be extremely beneficial to college-bound students regardless of their majors.

Grades 9-12

Prerequisite: Priority to 12th grade students without Financial Literacy

ACCOUNTING I ACP (4200)

5 Credits

This is an introduction to accounting, which stresses the fundamental skills required of the accountant in the business world. Content includes accounting for sole-proprietorship, partnership, service and merchandising businesses. A simulation is used to give students practical experience in starting, operating and closing an accounting cycle for one fiscal period.

Grades 9-12

ACCOUNTING II ACP (VBUS4510)

5 Credits

This advanced accounting course builds upon the foundational principles covered in Accounting I. Students will deepen their understanding of accounting concepts and apply them to more complex business scenarios, including corporate accounting, budgeting, financial analysis, and tax preparation. Real-world simulations and case studies will enhance practical skills, while the integration of accounting software will provide exposure to industry-standard tools. This course is essential for students interested in pursuing careers in business, finance, or entrepreneurship and serves as a strong preparatory step for post-secondary studies in accounting or related fields.

Grades 10-12

Prerequisite: Successful completion of Accounting I ACP

BUSINESS & PERSONAL FINANCIAL LITERACY/ PATHWAYS TO COLLEGE & CAREERS (VBUS4093)

5 Credits

This course invites students to explore opportunities and requirements in the planning for college and careers. Students will be able to explore career goals and consider a plan and timetable including educational and training requirements and possible college costs. Students will identify personal interests and aptitudes related to careers including analyzing how economic, social-cultural and political conditions can affect income and career potential. Students will be able to identify the educational and training requirements. Students will research how to apply for college and jobs, create a personal resume, develop interviewing techniques, analyze application processes including financial forms.

Grades 9-12

ECONOMICS ACP (VSOS1540)

5 Credits

This course is designed to introduce students to the vital and basic concepts of economic systems and decision making. Topics of study include supply and demand, features of the American economy, credit, savings and the stock market. Ultimately, students in Economics should expect to have a clearer sense of the economic world in which they participate as well as an enhanced ability to make more informed decisions. This course fulfills the financial literacy requirement needed for graduation.

Grade 11-12

ENTREPRENEURSHIP CP (VBUS2024)

5 Credits

This course provides an introduction to, and an overview of, the fundamentals of entrepreneurship. Students will explore fundamental concepts, theories, and practices employed in the field of entrepreneurship and the role entrepreneurship plays in the global economy and society. Students will describe the new venture creation process — including the activities, challenges, and opportunities involved. Additionally, new venture opportunities will be explored to determine their strengths, weaknesses, and overall business potential. Students will have the opportunity to participate in DECA.

Grades 11-12

INTRODUCTION TO BUSINESS MANAGEMENT ACP (VBUS4503)

5 Credits

This course will include theories, fundamentals and practical applications of the business world. Students will explore careers in business management. In addition, economics and business ethics issues, as well as actual case studies, will be explored. Students will also have the opportunity to participate in DECA, which serves as the CTSO for the Marketing CTE program & the Hospitality CTE program respectively.

Grades 9-10

MARKETING I ACP (4505)

5 Credits

Marketing is a comprehensive introduction to topics and practical experience in the following areas: free enterprise system, advertising & media, finance, salesmanship, management and ownership, fashion & merchandising, data systems and restaurant marketing. Text case studies relating to marketing principles will be an integral part of the course. Students are encouraged to participate in DECA which involves: marketing competitions, career field trips and seminars, school-related projects and business and community involvement.

Grades 10-11

Prerequisite: Introduction to Business Management ACP

MARKETING II ACP (4525)

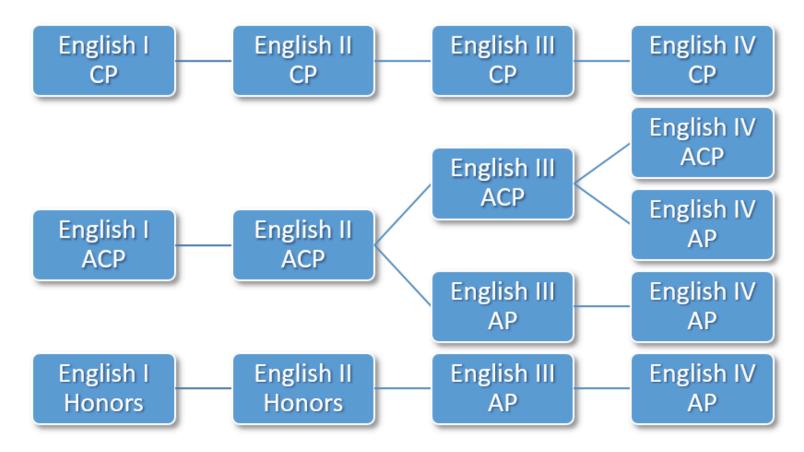
5 Credits

This course offers advanced study in the area of advertising, finance, salesmanship, management, business ownership, fashion merchandising and data systems. Students are encouraged to participate in DECA, which includes marketing competitions, career field trips and seminars, school related projects and business and community involvement.

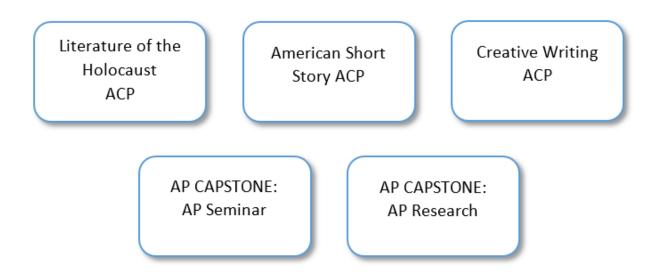
Grades 11-12

Prerequisite: Marketing I ACP

ENGLISH DEPARTMENT 2025-2026 Course Offerings/Sequence



ENGLISH DEPARTMENT ELECTIVES



ENGLISH DEPARTMENT: COURSE DESCRIPTIONS

ENGLISH I CP (VENG5010)

5 Credits

This course is designed for 9th grade students who have not met expectations on their state assessments, as well as any students having difficulty mastering grade level reading and writing skills. Instruction and assessment will focus on development and improvement of those Language Arts skills mandated in the New Jersey Student Learning Standards and assessed via the NJSLA-English. This course will focus on providing high interest literacy selections and a comprehensive language skills program.

Grade 9 🚾

Prerequisite: < 80% Average ELA 8

ENGLISH I ACP (VENG5020)

5 Credits

English I ACP is a multi-faceted course made up of the following components: reading, writing, grammar, vocabulary and discussion. Students will be exposed to a survey of world literature as well as informational texts and poetry. Students will write essays in various modes, including persuasive, expository and thesis writing. Instruction and assessment will focus on development and improvement of those language arts skills mandated in the New Jersey Student Learning Standards and assessed via the NJSLA-English.

Grade 9 😇

Prerequisite: > 80% Average ELA 8

ENGLISH I HONORS (VENG5030)

5 Credits

English I Honors is a full-year course featuring writing, grammar, oral expression, literary analysis and vocabulary. This course not only covers the advanced college prep English I curriculum at a higher level, but it also incorporates additional and related genres of literature. Instruction and assessment will focus on development and improvement of those Language Arts skills mandated in the New Jersey Student Learning Standards and assessed via the NJSLA-English. To qualify for English I Honors, students must be recommended by their 8th grade teacher. Students will learn of the requirements for enrollment in their English 8 class or through their guidance counselor.

Grade 9

Prerequisite: > 80% Average in Accelerated ELA 8 & recommendation by 8th grade English teacher

ENGLISH II CP (VENG5110)

5 Credits

This course is designed for 10th grade students who have been identified as having difficulty in mastering grade-level reading, writing and comprehension skills. This course is also recommended for any student who has experienced major difficulty in the traditional Language Arts program. This course will focus on providing high interest, traditional American literary selections, applicable informational texts and historical primary documents, accompanied by a comprehensive language skills program. Emphasis will be placed on fulfilling the New Jersey Student Learning Standards and preparing students for success on the NJSLA-English.

Grade 10 🚾

Prerequisite: < 85% Average English I CP

ENGLISH II ACP (VENG5120)

5 Credits

In this course, students will study traditional American Literature, including novels and poetry. These texts will be supplemented by informational materials culled from a variety of primary source documents, selected to enhance understanding and appreciation of the core texts. Instruction and assessment will focus on development and improvement of those Language Arts skills mandated in the New Jersey Student Learning Standards and assessed via the NJSLA-English.

Grade 10 😅

Prerequisite: > 85% Average English I CP or > 70% Average in English I ACP

ENGLISH II HONORS (VENG5130)

5 Credits

This course serves as a comprehensive study of American Literature and social progress focusing on the issues of religion, race, gender and social equality from colonization to today. Students will examine primary literary works as well as supplemental historical documents and other informational texts. Instruction and assessment will focus on the development of Language Arts and critical thinking skills in adherence to the New Jersey Student Learning Standards and in preparation for the NJSLA-English.

Grade 10

Prerequisite: > 70% Average in English I Honors, >90% Average in English I ACP, or Recommendation by 9th grade English teacher

ENGLISH III CP (VENG5210)

5 Credits

This course is designed for 11th grade students who have been identified as having difficulty in mastering grade-level reading and writing skills. This course is also recommended for any students who had experienced difficulty in the traditional Language Arts program. This course reviews British Literature that deals with representative pieces from the Anglo-Saxon period to the Post-Colonial period. Emphasis will be placed on fulfilling the New Jersey Student Learning Standards.

Grade 11



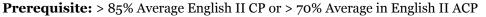
Prerequisite: < 85% Average English II CP

ENGLISH III ACP (VENG5220)

5 Credits

This course reviews British literature that deals with representative pieces from the Anglo-Saxon period to the Post-Colonial period. Informational texts have been added to address the themes running throughout the literature. Instruction and assessment will also address those skills and concepts necessary to prepare students for the SAT exam.

Grade 11



ENGLISH IV CP (VENG5310)

5 Credits

This course is designed for 12th grade students who have been identified as having difficulty in mastering grade-level reading and writing skills. This course is also recommended for any student who has experienced difficulty in the traditional Language Arts program. Students engage in the writing process with particular emphasis placed on the process of writing a comprehensive essay. Selected novels, stories and other literary forms are studied. This course emphasizes the development of reading skills.

Grade 12

Prerequisite: < 85% Average English III CP

ENGLISH IV ACP (VENG5320)

5 Credits

This course will serve as a general survey of World Literature. The texts will be supplemented by informational material from a variety of primary source documents, selected to enhance understanding and critical thinking skills in accordance with the New Jersey Student Learning Standards and in preparation for College and Career Readiness. Students will be required to complete a Senior Thesis paper based on *Hamlet*, which will be designed to refine the understanding of the research process.

Grade 12

Prerequisite: > 85% Average English III CP or > 70% Average in English III ACP

AP ENGLISH LANGUAGE & COMPOSITION (VENG5230)

5 Credits

This course's AP English Language & Composition curriculum and assessment style is aligned to the New Jersey Student Learning Standards (NJSLAS). This course consists of the study and analysis of rhetoric, examining nonfiction texts (i.e., informational texts: the only texts assessed on the course's AP exam). Each year, the AP English Language & Composition curriculum must be—following submission to/subsequent approval by The College Board—considered equivalent in difficulty and rigor to a college-level course. Throughout their time enrolled in the course, students will prepare to take the AP English Language & Composition Exam, which is administered by The College Board at the end of May. This course emphasizes the writing and analysis of rhetoric, argument, and the synthesis of each respective skill. It is expected that students enrolled in this course will take the AP exam.

Grades 11

Prerequisites: English I, English II

AP ENGLISH LITERATURE & COMPOSITION (VENG5330)

5 Credits

This course's AP English Language & Composition curriculum and assessment style is aligned to the New Jersey Student Learning Standards (NJSLAS). This course consists of the study and analysis of fiction and poetry, examining texts that comprise narrative prose as well as verse, spanning both American and global authors, poets, and texts. Students will develop critical skills for the independent appreciation of literary works, engaging in critical analysis of expository writing and literary theory. Each year, the AP English Literature & Composition curriculum must be—following submission to/subsequent approval by The College Board—considered equivalent in difficulty and rigor to a college-level course. Throughout their time enrolled in the course, students will prepare to take the AP English Literature & Composition Exam, which is administered by The College Board at the end of May. This course emphasizes the writing and analysis of fictional literature and poetry. It is expected that students enrolled in this course will take the AP exam.

Grades 12

Prerequisites: English I, English II, English III

ENGLISH ACADEMIC ELECTIVES

AP CAPSTONE- AP Seminar (25-26) (VENG2526)

5 Credits

AP Capstone™ is a College Board program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. It cultivates curious, independent, and collaborative scholars and prepares them to make logical, evidence-based decisions. AP Capstone consists of two consecutive courses--AP Seminar and AP Research. AP Seminar encourages students to explore topics that matter to them (real-world issues), use inquiry, collaborate in group presentations, and develop research-driven essays. By the end of the year, students will analyze multiple perspectives and ideas, and formulate arguments to craft well-written work. AP Research will offer a deeper, personalized learning exploration of AP Seminar. It is expected that students enrolled in this course will take the AP exam.

Grades 10-12 😅



Prerequisites: None

AP CAPSTONE- AP Research (26-27) (VENG2627)

5 Credits

AP Research continues the work of the AP Seminar course to complete the "AP Capstone TM, a College Board program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. Working with an expert advisor, students explore an academic topic, problem, or issue that students design, plan and conduct a year-long research-based investigation to address it. The course culminates with an academic paper of 4,0005,000 words and a presentation, with an oral defense; during which students will answer 3-4 questions from a panel of evaluators. It is expected that students enrolled in this course will take the AP exam.

Grades 11-12

Prerequisites: AP Seminar

CREATIVE WRITING ACP (V5611)

5 Credits

In this course, students will explore all phases of creative writing and explore their creative voices, including poetry, fiction and nonfiction prose, personal essays, one-act plays and dialogues. Students will be immersed in activities that promote authorship including the development and creation of personal works and publications. Additionally, students will engage in workshop experiences, participate in weekly "round tables" which foster their literary critiquing skills and engage in peer and self evaluation. This course may be repeated for credit, with the approval of the Director.

Grade 10-12



LITERATURE OF THE HOLOCAUST ACP (5705)

5 Credits

This course provides a comprehensive study of the Holocaust from the ideas that drove its inception to the horrors of Auschwitz. The class will also examine genocide and humanitarian issues in the twentieth and twenty-first centuries by studying both Holocaust and world history, reading primary source material including fiction, historical fiction, memoirs, poetry, and film. Students will respond to the literature through journals, presentations and research. Students will also create presentations for the annual Unity Expo / Tolerance Fair,

Grades 11-12

AMERICAN SHORT STORY ACP (5770)

5 Credits

This course is an intense exploration of the genre of short fiction by American writers from the Civil War through the present. Students will examine the American experience by connecting with the words of writers from different times and different cultural backgrounds. In addition, students will develop their reading comprehension skills, study habits, oral presentation competence and critical thinking abilities. This course also includes writing components in the forms of thesis papers and reader response essays.

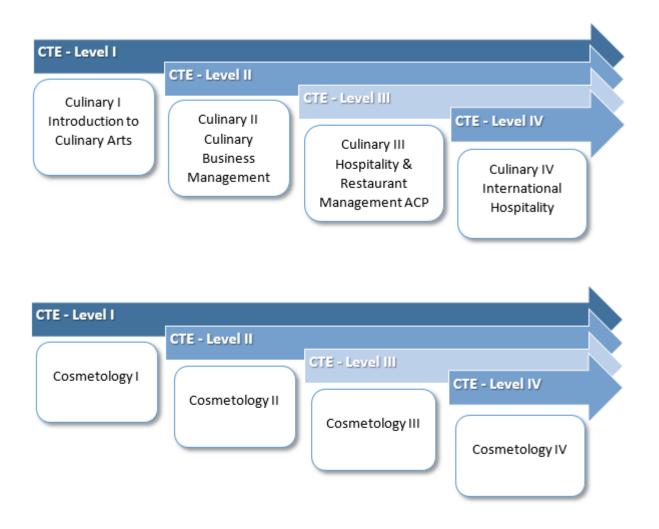
ELA LEARNING LAB (VENG900/VENG1100)

1.0 Credit

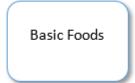
In this course students receive individual and small group assistance in their current English course through direct instruction and with the use of technology. Learning Lab teachers are in contact with the students' teachers to help support daily lessons and assessment preparation. Students learn note taking skills, study skills, and techniques to improve their foundational skills in reading and writing. One additional goal is to prepare students for state mandated assessments and graduation requirements. This lab occurs during one portion of a lunch period once during the schedule rotation. Students receive one credit per year and a grade of a pass or fail.

Grades 9-11

FAMILY & CONSUMER SCIENCE DEPARTMENT 2025-2026 Course Offerings/Sequence



FAMILY & CONSUMER SCIENCE DEPARTMENT ELECTIVES



COURSE DESCRIPTIONS: FAMILY & CONSUMER SCIENCES

BASIC FOODS (VFCS8000)

5 Credits

Basic Foods is a foundational culinary course that offers all VTHS students the opportunity to learn real life cooking skills, which they will use each day. Emphasis is placed not only on cooking but includes kitchen management, safety and nutrition. Students will learn basic culinary skills including but not limited to chopping, slicing, measuring, sauteing, etc. Students break into cooking labs and will learn how to follow a recipe. The cooking labs will prepare foods such as cinnamon buns, muffins, dinner rolls, apple pies, cakes, cookies, along with tacos, pizza and the all-time favorite, mac and cheese.

Grades 11-12

CULINARY I: INTRODUCTION TO CULINARY ARTS (VFCS8100)

5 Credits

Culinary I is a basic level foods course that offers all VTHS students the opportunity to learn real life cooking skills, which they will use each day. Have you ever wanted to prepare pancakes for Sunday morning breakfast, make tacos for your family or bake cupcakes for your friend's birthday? Introduction to Culinary Arts will show you how. Emphasis is placed not only on cooking but includes kitchen management, safety and nutrition. Students will learn basic culinary skills including but not limited to chopping, slicing, measuring, sauteing, etc. Students break into cooking labs and will learn how to follow a recipe. The cooking labs will prepare foods such as cinnamon buns, muffins, dinner rolls, apple pies, cakes, cookies, along with tacos, pizza and the all-time favorite, mac and cheese. This course offers the opportunity to continue in the CTE track.

Grades 9-10

CULINARY II: CULINARY BUSINESS MANAGEMENT ACP(VFCS8260)

5 Credits

Culinary II students have the opportunity to advance their skills from basic level to more advanced through hands-on applications in a cooking lab setting. Emphasis will be placed on menu and meal planning, preparing meals, plating, and serving meals. This course will also include theories, fundamentals, and practical applications of the business world. Students will explore careers in business management as well as economics and business ethics issues while spending 2-3 days per week in the Culinary Lab. This course is part of the CTE track.

Grades 10-11

Prerequisite: Culinary I- grade >75%

CULINARY III: HOSPITALITY & RESTAURANT MANAGEMENT ACP (VFCS8270) 5 Credits

This course welcomes students into the exciting and diverse hospitality and industry. The focus of this course is to master more advanced principles of food preparation for the students who wish to enter the food industry. It covers the principles and practices of sanitation and hygiene in the food service industry, emphasizing the training of supervisory personnel in sanitation procedures. Students will have the opportunity to earn the National Restaurant Association Educational Foundation's National Sanitation (ServSafe) Certificate. This certification is required by the county health administration for all establishments providing food to the public in Sussex County. Emphasis will be placed on catering, preparing foods creatively, holiday preparations for a crowd, cake decorating, homemade pasta, and specialty sauces. This course is part of the CTE track.

Grades 11-12

Prerequisite: Culinary I & II grade > 75%

CULINARY IV: INTERNATIONAL HOSPITALITY ACP (VFCS8200)

5 Credits

Students enrolled will develop an awareness and appreciation of other cultures relative to meal patterns, food choices, holiday preparations, skills, and techniques of food preparations. Students will utilize skills mastered in previous Culinary classes to prepare more complex foods related to a number of different world regions. Emphasis will be placed on exploring the cuisines of France, Germany, Italy, and Asia. Come and explore the cuisines of the world! This course is part of the CTE track.

Grades 12

Prerequisite: Culinary I, II & III grade > 75%

COSMETOLOGY I (VERN2018)

5 Credits

Introduction and overview to cosmetology principles, procedures and hands on skills will be covered. Topics include hair styling implements, equipment, bacteriology, scalp abnormalities and diseases, corrective treatments, sanitation, sterilization, wigs and hair pieces, draping, basic sectioning, shampoos, rinses, finger waves, pin curls, braids, rollers, combing, brushing, blow drying, school safety, cosmetology safety, math skills, histology of hair and the composition, function, requirements and procedures of the State Board of Cosmetology and Hairstyles exam. Emphasis on safety and sanitation measures will be implemented in all instructions. Students may be required to do additional studio/lab time to meet the number of class hours required by the state. Instruction in all understanding of the structure, diseases and disorders of the skin, face, head, neck, bones, nerves, hands and nails will be explored. Topics include histology of skin, history of barber shaving, skin care, facial massage, trimming of facial hair (including beard and mustache, eyebrow, ear and nose hair trim), straight razor shave procedure, paraffin wax treatment, basic cosmetics, manicures, pedicures, artificial nails, nail disease/disorders, nail repair and any corrective treatments.

TOTAL HOURS: 120, Running Total 120/1000

Grade 9

Prerequisite: Instructor approval

COSMETOLOGY II (VERN2016)

10 Credits

Introduction to basic services of cosmetology and a comprehensive overview of the history of coloring will be explored. Topics include the principles and procedures of, using creative expression and artistry for hair cutting, coloring, lightening, scalp and hair analysis and permanent waving. Emphasis on safety and sanitation measures will be implemented in all instructions. Students may be required to do additional studio/lab time to meet the number of class hours required by the state. Instruction in understanding the science as it relates to cosmetology and a study into the ethical practices for the licensed professional will be incorporated. Topics include Physiology, Osteology, Myology, Neurology and Chemistry as they relate to Cosmetology, the Circulatory System, Endocrine, Excretory, Digestive, Respiratory, Reproductive Systems, cell/tissue structure and body systems affected by Cosmetology. Additionally, business practices, law regulations and ethics practices will be explored. Emphasis on safety and sanitation measures will be implemented in all instruction. **Total Hours: 240, Running Total 360/1000**

Grade 10

Prerequisites: Cosmetology I, the hours required, and instructor approval

COSMETOLOGY III (VERN2017)

10 Credits

In this course, students will independently and safely practice cosmetology methods and complete degree requirements. Topics include the art of soft selling products and services and providing services for clients in a salon atmosphere. Emphasis on safety and sanitation measures will be implemented in all instruction. Students may be required to do additional studio/lab time to meet the number of class hours required by the state. **TOTAL HOURS: 270, Running Total 630/1000**

Grade 11

Prerequisites: Cosmetology II, the hours required, and instructor approval

COSMETOLOGY IV (VERN2019)

10 Credits

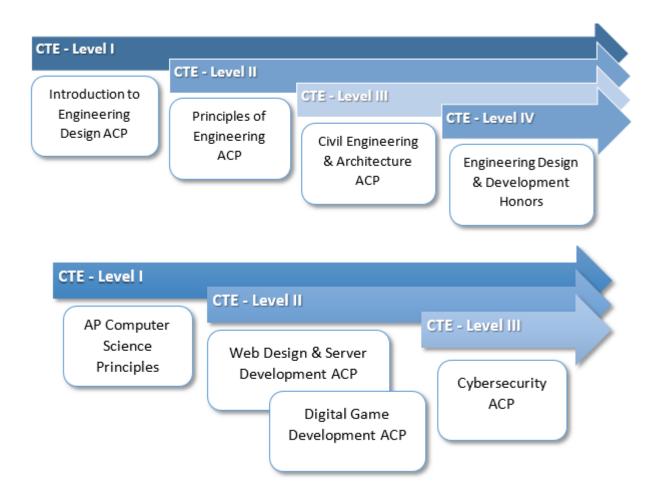
In this course, students will independently and safely practice cosmetology methods and complete degree requirements. Topics will include the art of soft selling products and services and providing services for clients in a salon atmosphere. Emphasis on safety and sanitation measures will be implemented in all instruction. Students may be required to do additional studio/lab time to meet the number of class hours required by the state. Additionally, students will prepare for and take the New Jersey State Board Exam. **Total Hours: 270, Running Total 900/1000**

Grade 12

Prerequisite: Cosmetology III, the hours required, and instructor approval.

*Students will be required to make up additional hours towards their 1,000 either after school or on Saturdays. In addition, there is a possibility that students can accumulate hours through a summer week-long workshop between their Sophomore and Junior years.

ENGINEERING & TECHNOLOGY EDUCATION DEPARTMENT 2025-2026 Course Offerings/Sequence



ENGINEERING & TECHNOLOGY EDUCATION DEPARTMENT ELECTIVES

Practical Craftsmanship

COURSE DESCRIPTIONS: ENGINEERING & TECHNOLOGY EDUCATION DEPARTMENT

PLTW INTRODUCTION TO ENGINEERING **DESIGN (IED) ACP (VIA7401)**

5 Credits

In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.

Grade 9-10

Prerequisite: Completion of Algebra I or current enrollment in Algebra I ACP

PLTW PRINCIPLES OF ENGINEERING (POE) ACP (VIA7425)

5 Credits

This survey course of engineering exposes students to some of the major concepts they'll encounter in a post secondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community.

Grade 10-11



Prerequisite: > 80% Average Introduction to Engineering Design & successful completion of Algebra I and/or Geometry.

PLTW CIVIL ENGINEERING AND ARCHITECTURE (CEA) ACP (VIA7435)

5 Credits

The major focus of this course is completing long-term projects that involve the development of property sites. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of a property. The course provides teachers and students the freedom to develop the property as a simulation or to students to model the experiences that civil engineers and architects face. Students work in teams, exploring hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their projects, solving problems, and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.

Grade 11-12

Prerequisite: > 75% Average Principles of Engineering (POE) and successful completion of Algebra I and Geometry or teacher recommendation.

PLTW ENGINEERING DESIGN & DEVELOPMENT **HONORS (VIA7465)**

5 Credits

In this capstone course, you will work as part of a team to develop a solution to a technical problem of your choosing. Challenge yourself with one of those "Don't you hate it when...." issues of the world and try to solve it. You and your team will use what you've already learned in previous PLTW courses to guide you through the process of design and product development.

Grade 12

Prerequisite: Successful completion of 2 PLTW engineering courses & teacher recommendation.

PLTW AP COMPUTER SCIENCE PRINCIPLES (VMAT0200)

5 Credits

AP Computer Science Principles introduces students to the central ideas of computer science, instilling the idea and practices of computational thinking and inviting students to understand how computing changes the world. This rigorous course promotes

deep learning of computational content, develops computational thinking skills and engages students in the creative aspects of the world. It is expected that students enrolled in this course will take the AP exam.

Grade 9-11

Prerequisites: Successful completion of Algebra I

WEB DESIGN & SERVER DEVELOPMENT ACP (VMAT0230)

2.5 Credits

This is a semester course, designed to allow students to understand two facets of a large subset of their daily life. How to design websites, as well as how to build and maintain the technological platform which they require in order to exist. Students will learn both software and hardware requirements necessary for a web server to exist, as well as how to use them to host their own projects. Students will also learn about the problems behind maintaining a web server and preventing/correcting security vulnerabilities. Students are expected to also enroll in Digital Game Development ACP.

Grade 10-11

Prerequisite: Successful completion of PLTW AP Computer Science Principles

DIGITAL GAME DEVELOPMENT ACP (VMAT0240)

2.5 Credits

This is a semester course targeted as an introduction to game theory and development. Students will be engaged throughout the course to design both new and classic games through a user-friendly game programming interface. Many topics will be addressed throughout the course including game design, theory, creation and production. Students will learn how games are distributed and design game programs that are platform independent. Students will also enroll in Web Design & Server Development.

Grade 10-11

Prerequisites: Successful completion of PLTW AP Computer Science Principles

PLTW CYBERSECURITY ACP (VMAT2021)

5 Credits

Whether seeking a career in the growing field of cybersecurity or learning to defend their own personal data or a company's data, students in Cybersecurity establish an ethical code of conduct while learning to defend data in today's complex cyberworld.

Grade 11-12

Prerequisites: Completion or concurrent enrollment in Web Design and Digital Game Development

PRACTICAL CRAFTSMANSHIP (VIA7485)

5 Credits

Practical Craftsmanship is an introductory course for those looking to expand their knowledge of consumer grade tools for making and repairs. The labs and projects offered in this course are designed with the junior maker and DIY enthusiast in mind. Discussion topics include visualizing designs, material selection, basic measurement techniques, personal protection equipment (PPE), and use of common tools to complete everyday tasks and bring personal project ideas to life. This is a full year study designed to prepare students to be self-sufficient in their ability to use tools to complete basic projects with confidence and bring personal projects of their own design to life as an aspiring maker.

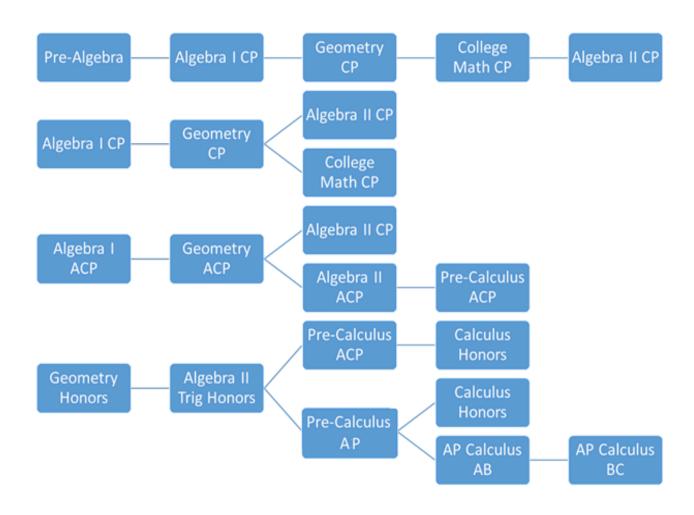
Grades 11-12

INTRODUCTION TO ELECTRICAL TRADES AND CONSTRUCTION ACP

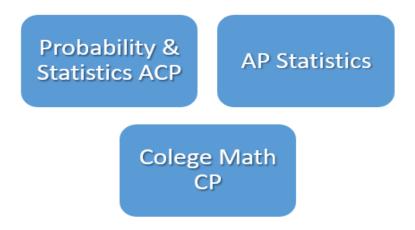
This is a hands-on class that provides students with a foundational understanding of the electrical trades and how buildings are wired for power. Students will learn the essential safety practices, tool identification and usage, basic electrical theory and hands-on wiring techniques. If you've ever wondered how electricity works, how to install outlets and light fixtures, or what it takes to become an electrician, this class is a great place to start. Through practical projects and lab activities, students will develop problem-solving skills and gain exposure to industry standards. This course is ideal for students interested in pursuing careers in electrical work, construction, or related technical fields.

Grades 9-12

MATHEMATICS DEPARTMENT 2025-2026 Course Offerings/Sequence



MATHEMATICS DEPARTMENT ELECTIVES



COURSE DESCRIPTIONS: MATHEMATICS DEPARTMENT

ALGEBRA I CP (VMAT215)

5 Credits

Operational skills and concepts are developed as an outgrowth of the system of real numbers. Emphasis is on the development of abstract reasoning and problem-solving skills. Components of this course are included in the NJSLA-Algebra exam.

Grade 9-10 🚾



Prerequisite: < 80% Algebra 8

ALGEBRA I ACP (220)

5 Credits

Operational skills and concepts are developed as an outgrowth of the system of real numbers. Emphasis is on the development of abstract reasoning and problem-solving skills at a faster pace. Components of this course are included in the NJSLA-Algebra exam.

Grade 9-10 🚾



Prerequisite: >80% Algebra 8 or > 80% Algebra I ACP last year

GEOMETRY CP (VMAT300)

5 Credits

This course will take a practical, hands-on approach to the study of Euclidean geometry. Emphasis will be on everyday applications on geometry concepts. Euclidean geometry is the core around which major themes of this course are organized. In addition, this course includes logical sequence, geometry applications of algebra and the use of transformations and constructions.

Grade 10-12



Prerequisite: Algebra I CP or Algebra I ACP

GEOMETRY ACP (310)

5 Credits

Geometry ACP includes the topics covered in Geometry CP, but topics will be covered at a faster pace and in greater depth. Euclidean geometry is the core around which major themes of this course are organized. In addition, this course includes logical sequence, geometry applications of algebra and the use of transformations and constructions.

Grade 10-12



Prerequisite: Successful completion of Algebra I ACP with a minimum grade of 80% -OR-Successful completion of Algebra I CP with a minimum grade of 90% and teacher recommendation.

GEOMETRY HONORS (VMAT320)

5 Credits

Geometry Honors includes the topics covered in Geometry ACP. Computer applications and proof writing will be emphasized and a major goal of this course will be to develop logical thinking skills. A summer project is required which will be due on the first day of class and graded as a major test.

Grade 9 😇



Prerequisite: Successful completion of Algebra I ACP with a minimum grade of 85% and teacher recommendation.

COLLEGE MATH CP (VMAT0220)

5 Credits

This course is designed to build upon Algebra and Geometry skills learned in previous classes and to prepare students for success in college, career and beyond. This course reinforces and extends the fundamentals of geometry and algebra and will focus on the Algebra Accuplacer test to cover topics including; operations with whole numbers and fractions, operations with decimals and percents and applications and problem solving. Students that earn above a 76 on this test will place out of no credit math classes at community college. After completion of the Accuplacer exam, students will study a variety of probability, statistics and algebra II concepts.

Grade 11-12 🗠



Prerequisite: Algebra I and Geometry

ALGEBRA II CP (330)

5 Credits

Algebra II CP is offered to students who have successfully passed Algebra I. This course is designed to provide students with a thorough knowledge of numbers, functions and their graphs and real-world applications of functions. Topics such as data analysis, linear, quadratic, exponential, logarithmic functions and conic sections will be included. Graphing calculator activities will be presented throughout the course to make mathematics enjoyable and relevant to the students. NOTE: New Jersey State Colleges now require Algebra II of all students prior to admission.

Grades: 11-12



Prerequisite: Algebra I and Geometry

ALGEBRA II ACP (400)

5 Credits

Algebra II ACP includes the topics covered in Algebra II CP but topics will be covered at a faster pace and greater depth. Students in the Algebra II ACP may take Precalculus after completion of this course. Students will develop the skills needed to become proficient in the fundamental principles of mathematics so they can successfully study the mathematics that follow this course.

Grades 10-12 0



Prerequisite: Geometry ACP with a minimum grade of 80% and teacher recommendation

ALGEBRA II/TRIG. HONORS (VMAT0410)

5 Credits

Algebra II/Trigonometry Honors is offered to students who have successfully passed Algebra I ACP and Geometry ACP or Honors. This course is designed to provide students with a thorough knowledge of numbers, functions and their graphs and real-world applications of functions. Topics such as data analysis, linear, quadratic, exponential, logarithmic and trigonometric functions and conic sections will be included. Graphing calculator activities will be presented throughout the course to make mathematics enjoyable and relevant to the students. Students in the Algebra II/Trig Honors may take Precalculus ACP or Precalculus Honors after completion of this course. Students will develop the skills needed to become proficient in the fundamental principles of mathematics so they can successfully study the mathematics that follow this course.

Grade 9-10



Prerequisite: Successful completion of Geometry Honors with a minimum grade of 85% or Geometry ACP with a minimum grade of 90%.

PRECALCULUS ACP (VMAT660)

5 Credits

Precalculus completes the formal study of the elementary functions that begins in Algebra I ACP and Algebra II ACP. This course addresses topics in algebraic, geometric and logical approaches. This course is offered to students who have successfully completed Algebra II ACP. Students focus on the use of technology, modeling and problem solving involving data analysis, trigonometric and circular functions, their inverses, polar coordinates, complex numbers, vectors, exponential and logarithmic functions. Word problems and real-life applications are utilized to help make mathematics meaningful and enjoyable to students. Graphing calculators are used extensively to aid students in navigating through modeling, data analysis and problem solving.

Grade 11-12

Prerequisites: Successful completion of Algebra II/Trig Honors or ≥75% in Algebra II ACP

PRECALCULUS AP (VMAT670)

5 Credits

AP Precalculus is for students who have successfully completed Algebra II/Trig Honors or earned an A in Algebra II ACP. In AP Precalculus, students explore everyday situations and phenomena using mathematical tools and lenses. This course provides a necessary mathematical background for students interested in science, mathematics, engineering and other related fields and areas of study. AP Precalculus provides the first stage needed in the study of Calculus and AP Calculus. AP Precalculus emphasizes the study of functions and their graphs. Trigonometry and analytic geometry are reviewed with the emphasis being placed on applications of basic principles. An introduction to Calculus is given with an emphasis on limits and the derived function. Vectors, matrices and discrete math are also studied. Graphing calculator activities will be presented throughout the course to make mathematics enjoyable and relevant to the students. It is expected that students enrolled in this course will sign up to take the AP test.

Grades 10-12

Prerequisites: ≥90% Algebra II ACP or ≥90% in Algebra II/Trig Honors

CALCULUS HONORS (VMAT650)

5 Credits

Calculus Honors is a full year first-level college course designed for students who will pursue a study in mathematics, science, engineering, business, pharmacy or medicine. Calculus Honors covers limits, derivatives, integrals, approximation, applications and modeling. It is an advanced mathematics course that analyzes meaningful real life situations and uses appropriate technology to develop concepts and applications related to continuity and discontinuity of functions as well as differentiation and integration. Students enrolled in this course will not prepare for the AP Calculus exam, which will allow them to cover the same material as the AB Calculus course, but at a slower pace.

Grade 11-12 WCA

Prerequisites: Successful completion of Precalculus AP or >80% in Precalculus ACP

CALCULUS AP (AB) (620)

5 Credits

AP Calculus AB is a full year first-level college course designed for students who will pursue a study in mathematics, science, engineering, business, pharmacy or medicine. Calculus AB covers limits, derivatives, integrals, approximation, applications and modeling. It is an advanced mathematics course that analyzes meaningful real life situations and uses appropriate technology to develop concepts and applications related to continuity and discontinuity of functions as well as differentiation and integration. The AP Calculus AB course at Vernon Township High School will follow a curriculum based upon the curriculum of the state of New Jersey and the guidelines of the College Board. It is expected that students enrolled in this course will sign up to take the AP test.

Grades 11-12



Prerequisites: A minimum grade of 85% in Precalculus Honors/AP or a 90% in Precalculus ACP, teacher recommendation and completion of the assigned summer work.

CALCULUS AP (BC) (VMATo630)

5 Credits

AP Calculus BC is a full year second-level college course designed for students who will pursue a study in mathematics, science or engineering. Calculus BC covers limits, derivatives, integrals, approximation, applications and modeling in more detail. It is an advanced mathematics course that analyzes meaningful real life situations through modeling and by using advanced integration techniques. The AP Calculus BC course at Vernon Township High School will follow a curriculum based upon the guidelines of the College Board. It is expected that students enrolled in this course will sign up to take the AP test.

Grade 11-12



Prerequisite: Calculus AP AB and completion of the assigned summer work.

MATH LEARNING LAB (VMAT900/VMAT1100)

1.0 Credit

In this course students receive individual and small group assistance in their current English course through direct instruction and with the use of technology. Learning Lab teachers are in contact with the students' teachers to help support daily lessons and assessment preparation. Students learn note taking skills, study skills, and techniques to improve their foundational skills in math. One additional goal is to prepare students for state mandated assessments and graduation requirements. This lab occurs during one portion of a lunch period once during the schedule rotation. Students receive one credit per year and a grade of a pass or fail.

Grades 9-11

PORTFOLIO REVIEW (VPORT2022)

2.5 Credits

Portfolio review is required for all students that have not yet met state testing graduation requirements. Students will prepare for the ASVAB assessment and portfolio review in both ELA and mathematics. This course will be Pass/Fail.

Grade 12

COLLEGE AND CAREERS (VCC2022)

2.5 Credits

This course is to be given in conjunction with Portfolio Review. This course invites students to explore opportunities and requirements in the planning for college and careers. Students will be able to explore career goals and consider a plan and timetable including educational and training requirements and possible college costs. Students will identify personal interests and aptitudes related to careers including analyzing how economic, social-cultural and political conditions can affect income and career potential. Students will be able to identify the educational and training requirements. Students will research how to apply for college and jobs, create a personal resume, develop interviewing techniques, analyze application processes including financial forms. This course will be Pass/Fail.

Grade 12

ACADEMIC ELECTIVES

PROBABILITY & STATISTICS ACP (VMATo250)

5 Credits

Probability and Statistics is an elective for students who have successfully completed Algebra II ACP. This is an introductory level course which covers the basic organizational skills, strategic planning, decision making and problem solving techniques. The skills learned in this class will be useful beyond high school. Topics such as designing and conducting valid surveys, collecting, analyzing and presenting data and probability and problem solving are explored during the course. Computers and graphing calculators will be used throughout the course to make math relevant and enjoyable to students.

Grade 10-12



Prerequisites: > 80% Algebra II ACP or completion of Alg II Trig Honors

ADVANCED PLACEMENT COURSES

STATISTICS AP (VMAT0160)

5 Credits

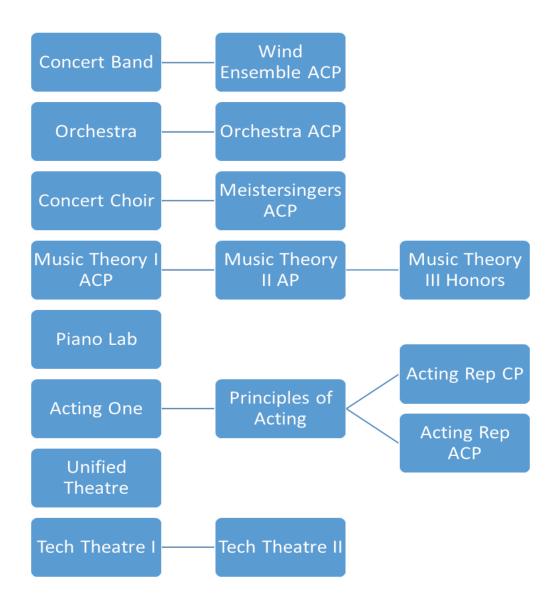
The AP Statistics course is designed to provide students with a learning experience equivalent to an introductory college, non-calculus-based course in statistics and will introduce the major concepts and tools for collecting, analyzing and drawing conclusions from data. The equivalent introductory college statistics class is typically required for majors in the fields of social sciences, health sciences and business. This course is also an effective preparation for science, engineering and mathematics majors whose course curriculum usually dictates upper-level calculus based statistics. Important considerations for the class will be the themes of exploring data, sampling and experimentation, anticipating patterns and statistical inference. Technology will be utilized in the form of computers, computer software and graphing calculators. Students will engage in constructing their own knowledge through the incorporation of lab activities, group [problem-solving, projects and class presentations. The AP Statistics course at Vernon Township High School will follow a curriculum based upon the curriculum of the state of New Jersey and the guidelines of the College Board. It is expected that students enrolled in this course will sign up to take the AP test.

Grade 10-12



Prerequisites: Algebra II/Trigonometry Honors or Precalculus

PERFORMING ARTS DEPARTMENT 2025-2026 Course Offerings/Sequence



COURSE DESCRIPTIONS: PERFORMING ARTS DEPARTMENT

CONCERT BAND (6500)

5 Credits

The Concert Band course is designed for the student who has prior instrumental experience. Students are expected to develop higher skills of technical proficiency while developing individual and ensemble musicianship. The focus of the class is to increase the artistic performance level of both individual students and the ensemble as a whole. The course includes exposure to band literature of various periods and styles, theoretical concepts, proper interpretive skills, correct performance practices, improved personal performance, proper ensemble techniques and training in team effort and common goal pursuit.

In addition to the class, a weekly sectional is required for all members. Regular individual practice is also required. Students enrolled in Concert Band, commit themselves to personal musical growth, progress toward the goals of the group and conformity of decorum as outlined in school and departmental policy. Attendance at extra rehearsals and performances is also a requirement. Yearly performances include, but are not limited to, Holiday Concert, Spring Concert and Pops Concert. The Solo/Ensemble Recital showcases seniors in the area of classical music. **This course may be repeated for credit.**

Grade 9-12

WIND ENSEMBLE ACP (6525)

5 Credits

The Wind Ensemble course is designed for the student who has advanced instrumental experience. Students are expected to develop higher skills of technical proficiency while developing individual ensemble musicianship. The focus of the class is to increase the artistic performance level of both individual students and the ensemble as a whole. Repertoire performed includes advanced band literature of various styles and periods.

In addition to the class, a weekly sectional is required of all members. Regular practice at home is recommended and encouraged, Students enrolled in Wind Ensemble commit themselves to personal musical growth, progress toward the goals of the group and to conformity of decorum as outlined in school and departmental policy. Written assignments, performance assessments and yearly performances include, but not limited to, Fall Concert, Holiday Concert, Spring Concert, Pops Concert and the High School Senior class graduation. **This course may be repeated for credit.**

Grade 10-12

Prerequisite: Enrollment is subject to audition and/or permission of the instructor

ORCHESTRA (6530) 5 Credits

Orchestra is designed for instrumentalists with prior string performance experience. Students will continue to develop and advance their individual instrumental techniques. Individual and ensemble musicianship skills will be developed. The focus of this class is to increase the performance level of both individual students and the ensemble as a whole. Repertoire to be studied will include a wide variety of styles and periods. Members of the Orchestra have the opportunity to audition for the VTHS Chamber Orchestra. Students are also encouraged to audition for honors orchestras, such as Sussex County Youth Orchestra, Region I Orchestra and All-State Orchestra.

In addition to the class, a weekly sectional and regular individual practice are required. Students enrolled in Orchestra commit themselves to personal musical growth, progress toward the goals of the group and conformity of decorum as outlined in the school and departmental policy. Attendance at extra rehearsals and performances is also a requirement. Yearly performances include, but are not limited to, the Holiday Concert, Spring Concert and Pops Concert. The Solo/Ensemble Concert features solo performances, chosen at the discretion of the director. Students in their second, third or fourth year may qualify for the Tri-M Music Honor Society. **This course may be repeated for credit.**

Grade 9-12

Prerequisite: 8th Grade Orchestra

ORCHESTRA ACP (6540)

5 Credits

Students who are currently members of the VTHS Chamber Orchestra should enroll in Orchestra ACP. Chamber Orchestra students strive to develop higher skills of technical proficiency and artistic expression on the individual and ensemble levels. In addition to meeting the requirements for orchestra, students are expected to attend at least one hour-long rehearsal after school each week and numerous afternoon and evening performances throughout the school year. Students in the VTHS Chamber Orchestra will work on literature specifically tailored for various school and community performances in addition to their Holiday, and String Symposium concert literature. **This course may be repeated for credit.**

Grade 10-12

Prerequisite: Chamber students only; by audition in the fall.

CONCERT CHOIR (6600)

5 Credits

This course is designed to develop student skills in vocal technique, sight singing (i.e. music reading skills), ensemble technique and overall musicianship through a variety of vocal and choral experiences. The focus of the class is to increase the performance levels of both the individual students and the ensemble as a whole. Ensemble music and group activities are central to class activities. Music of all styles and periods will be explored with an emphasis on master choral works. Development of knowledge and skills in sight singing and music theory is included. Members of the Concert Choir have the opportunity to audition for chamber choirs and other small ensembles. Students are also encouraged to audition for honor ensembles such as; County, Region and All-State Chorus. Select opportunities are provided for solo development and performance; voice part, seniority and ability levels are determining factors.

In addition to the class, weekly sectionals are required. Students enrolled in Concert Choir commit themselves to personal musical growth, progress toward the goals of the group and to the conformity of decorum as outlined in school and departmental policy. Attendance at extra rehearsals and performances is also a requirement. Yearly required performances include, but are not limited to; Holiday Concert, On Broadway Concert and Spring Concert. The Solo/Ensemble Recital showcases seniors in the area of classical music. **This course may be repeated for credit.**

Grade 9-12

MEISTERSINGERS ACP (6620)

5 Credits

Student admission to this class is by audition and instructor approval. The course is designed for advanced singers with one, two or three years of experience in one of the VTHS concert choirs. Students who have been members of County, Region or All-State choruses will receive special consideration for admission. Advanced vocal technique and ensemble skills will be developed while it advances choral music is studied. Additional community performances will be expected of this ensemble. Students will be involved with more demanding and sophisticated standards in terms of critiquing, aesthetic awareness and in examining the studied repertoire's historical, social and cultural influences. **This course may be repeated for credit.**

Grade 10-12

PIANO LAB (V6519)

5 Credits

This course is designed for beginning level piano/keyboard students. Using the piano in this full year class, students will learn the basics of music notation, rhythm, melody and harmony. Students will progress through instruction utilizing beginning piano books and supplementary materials. Each student will learn to play a repertoire of music commensurate with their ability. Access to a piano/keyboard outside the class is helpful, but not necessary. Piano lab may be used as a preparation for Music Theory. This course may be repeated at the discretion of the instructor.

Grade 9-12

ACTING ONE: THEATER FUNDAMENTALS (6800)

5 Credits

This is an introductory survey course in theater arts. It provides a complete background in the fundamentals of acting, with attention to scenery, lighting, makeup, theater history, creativity and the relationship of theater to all of the arts. Much activity is hands-on. This class is a prerequisite for the acting training class, Principles of Acting.

Grade 9-12

PRINCIPLES OF ACTING (6810)

5 Credits

This is a studio course to train actors for the stage, using a variety of approaches to develop characters in the performance situation. Students learn to create believable characters and relationships in monologues and scenes. Attention to voice and body training, begun in Acting One: Theater Fundamentals is continued here. Students in this class have some public performance opportunities and are expected to perform in an end-of-year recital.

Grade 10-12

Prerequisite: Acting One: Theater Fundamentals

ACTING REPERTORY (6900)

5 Credits

This is an advanced acting performance class. Students engage in the preparation of a variety of performances for statewide festivals and local public audiences as well as K-12 school groups. Continuing work on monologues, pairs, scenes and improvisations foster growth in technique, analysis and style. Acting Repertory students must recognize that extra-curricular time is required to meet the demands of this course. The Acting Repertory class produces its own full-length showcase at the end of the school year as a final project. **This course may be repeated for credit.**

Grade 11-12

Prerequisite: Principles of Acting and instructor approval.

ACTING REPERTORY ACP (6910)

5 Credits

Advanced college prep grading is available as an option for students in their third or fourth year of Acting Repertory class. Students may also be eligible who have completed other performing arts courses. Eligibility to enroll for the advanced college prep option is only by approval of both the instructor and director. Students must complete all requirements of the regular level of Acting Repertory, as well as all additional ACP requirements. Additional requirements are at the direction of the instructor. **This course may be repeated for credit.**

Grade 11-12

Prerequisites: Principles of Acting or instructor and director permission. In addition, students must be enrolled in their third or fourth year of a Theater Arts class.

TECHNICAL THEATER I (6820)

5 Credits

This is a hands-on course in theater technology. Students learn about design and construction methods of all types of scenery. Additional activities concern lighting, sound, special effects, computer control, costumes, and theater management. Students in this course provide assistance to play productions, concerts, and all users of the auditorium.

Grade 9-12

TECHNICAL THEATER II (6830) (May be repeated)

5 Credits

This course is for advanced technical theater students. Meeting concurrently with the Technical Theater class, emphasis is on production research, scenery and lighting design, professional drafting standards, and production crew leadership positions such as master electrician and stage manager. Specific design specialty is tailored to individual student needs.

Grade 10,11,12

Prerequisite: Technical Theater I.

UNIFIED THEATER (6950)

5 Credits

An inclusive theater program where all students have access to fun, positive, and meaningful experiences. The classroom environment will support every student and introduce an equitable peer partner strategy where all students develop partnerships and leadership skills. Students of varying ability levels will learn together throughout the theater course.

Grade 9-12

Prerequisites: General education students must be in grades 11 or 12 and must schedule a meeting with the course instructor prior to registration to discuss course expectations and ensure alignment with program goals.

UNIFIED MUSIC (6550)

5 Credits

An inclusive music program where all students have access to fun, positive, and meaningful experiences. The classroom environment will support every student and introduce an equitable peer partner strategy where all students develop partnerships and leadership skills. Students of varying ability levels will learn together throughout the music course.

Grade 9-12

Prerequisites: General education students must be in grades 11 or 12 and must schedule a meeting with the course instructor prior to registration to discuss course expectations and ensure alignment with program goals.

MUSIC THEORY I ACP (6710)

5 Credits

This course is a study of the theoretical foundations of music, including all aspects of notation and musical terminology, scale theory, intervals, triads, chords and harmonic progressions. Melodic, rhythmic and harmonic hearing and writing will be developed through sight singing and ear training skills development. Beginning conducting and compositional analysis is included. Students interested in learning more about music as an art regardless of future musical plans, are also encouraged to participate in this class, as are members of the VTHS choirs, bands, orchestras and students who take private piano lessons. *Music Theory I is an essential class for students majoring in music, music education, musical theater or any performing arts related to or engaged with considering music.*

Grade 10-12

Prerequisites: Band, choir, orchestra, piano, or other instrumental/vocal background

MUSIC THEORY II AP (6720)

5 Credits

This course is a continuation at an advanced level of all aspects of music theory as begun in Music Theory I. Advanced ear training, sight singing and analysis skills will be developed. Compositional skills will also be developed. Advanced part-writing skills, seventh chord composition and use and modulation will be studied. Students are encouraged to create their own musical compositions. This class includes detailed preparation for the Music Theory Advanced Placement Exam. It is expected that students enrolled in this course will sign up to take the AP test.

Grades 11-12

Prerequisites: Must have a 90 or above as the final, year-end average in Music Theory I ACP

MUSIC THEORY III HONORS INDEPENDENT STUDY (VPFA6730)

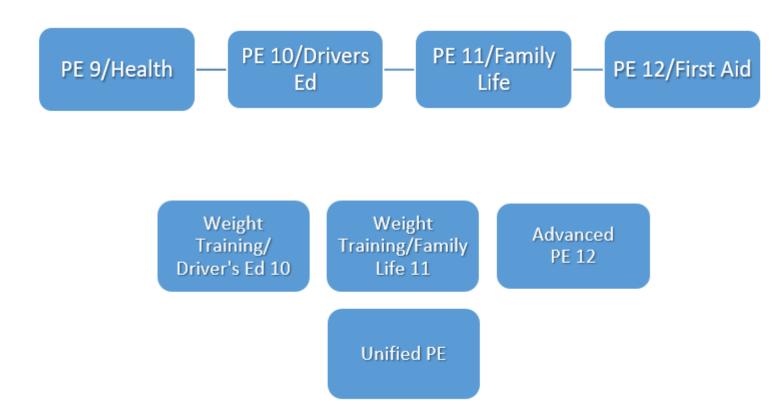
5 Credits

This course is for students who have successfully completed the AP Music Theory course. Students will continue their growth in solfege and dictation skills. Composition and score analysis will be developed while students advance their knowledge and facility in the area of chromatic harmony. Advanced work with modulation and counterpoint will also be included. Students may choose to take the AP Music Theory Examination a second time. This course runs concurrently with the AP Music Theory class.

Grade 12

Prerequisite: Must have an 85 or above in Music Theory II AP as the year-end average

HEALTH & PHYSICAL EDUCATION DEPARTMENT 2025-2026 Course Offerings



COURSE DESCRIPTIONS: PHYSICAL EDUCATION & HEALTH

UNIFIED PHYSICAL EDUCATION (VPED9002)

5 credits

An inclusive PE program where all students have access to fun, positive and meaningful experiences. The classroom environment will support every student and introduce an equitable peer partner strategy where all students participate as teammates and leaders. Students of varying ability levels will learn together through fitness, sports, leadership and wellness activities.

Grade 9-12

Prerequisites: General education students must be in grade 12 and must schedule a meeting with the course instructor prior to registration to discuss course expectations and ensure alignment with program goals.

PHYSICAL EDUCATION/HEALTH 9 (VPED9101)
PHYSICAL EDUCATION/DRIVER ED 10 (VPED9102
PHYSICAL EDUCATION/FAMILY LIFE 11 (VPED9103)
PHYSICAL EDUCATION/FIRST AID 12 (VPED9104)

5 credits

Physical Education is required for all students. A variety of team and individual sports along with Project Adventure activities are presented with emphasis placed in the 11th and 12th grade on lifetime sports and leisure activities. All activities involve the teaching of skills, developing and maintaining fitness and social interaction.

General Health is part of the ninth grade program. The student becomes the central focus of this course. What he/she learns concerns the optimum health of his/her own body and mind.

Driver Education Theory is presented in the sophomore year. This course includes an in-depth study of the New Jersey Driver's manual. Following this study, the state written examination is given. A successful score of 80% or better on the written test gives the student the ability to take Behind the Wheel instruction.

Family Life is designed to provide opportunities for students to develop self-confidence, a positive social attitude and sound value judgment, as well as cope with the decision making experiences when dealing with issues of sexual health. The course will also provide an opportunity for students to develop a sound foundation for understanding and coping with the problems related to marriage, family and sexual health.

First Aid is required of all seniors. This course is taught in conjunction with the American Red Cross. It offers valuable information and skills in which emergency care is required and medical help is not immediately available.

WEIGHT TRAINING/DRIVER'S ED 10 (VPED9117)

5 credits

The Weight Training class is geared to students who wish to learn basic anatomy and physiology on their way to mastering the basic fundamentals of weight lifting as well as program design and implementation. Students will be using the weight room throughout the school year as seconds as a classroom with a TV projector for lectures. Class content will include, but will not be limited to the following: anatomy and physiology, body systems, components of fitness, tests and measurements to evaluate fitness, basic lifts, free weights and pin loaded machine lifts, muscle groups, exercise program planning, nutrition, and various phases of lifting. Program goals regarding muscular, cardiovascular and flexibility development will also be stressed. In addition to written assignments and daily fitness logs, an end of the year project will be required. End of the year project will include creating an exercise program to follow based on the student's personal fitness goal(s) and executing that program during class while logging the workout using a daily fitness log. This course will serve in place of a student's regular physical education class as it will meet the required criteria. Driver's Ed takes place during the first marking period.

WEIGHT TRAINING/FAMILY LIFE 11 (VPED9119)

5 credits

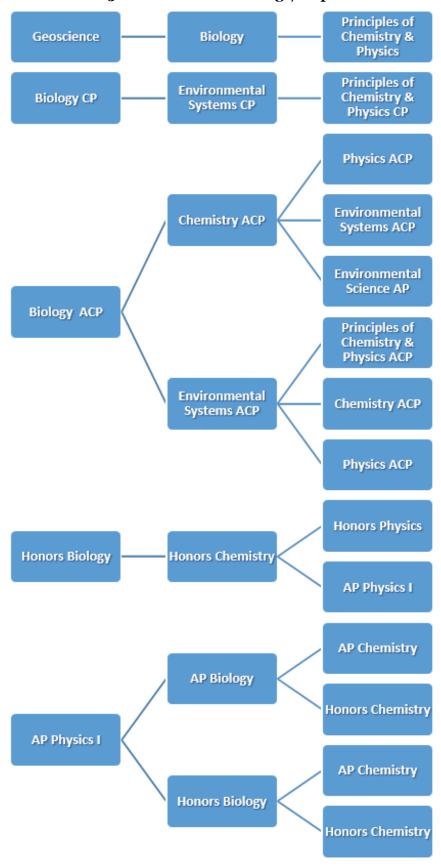
The Weight Training class is geared to students who wish to learn basic anatomy and physiology on their way to mastering the basic fundamentals of weight lifting as well as program design and implementation. Students will be using the weight room throughout the school year as seconds as a classroom with a TV projector for lectures. Class content will include, but will not be limited to the following: anatomy and physiology, body systems, components of fitness, test and measurements to evaluate fitness, basic lifts, free weights and pin loaded machine lifts, muscle groups, exercise program planning, nutrition, and various phases of lifting. Program goals regarding muscular, cardiovascular and flexibility development will also be stressed. In addition to written assignments and daily fitness logs, an end of the year project will be required. End of the year project will include creating a workout for a partner. Students will interview with their partner to discuss personal fitness goals, likes and dislikes regarding exercise, and current physical activity level. Once the interview is complete, students will create a workout plan for their partner and will execute the assigned program during class while logging the workout using a daily fitness log. **This course will serve in place of a student's regular physical education class as it will meet the required criteria.**

ADVANCED PHYSICAL EDUCATION 12 (9310)

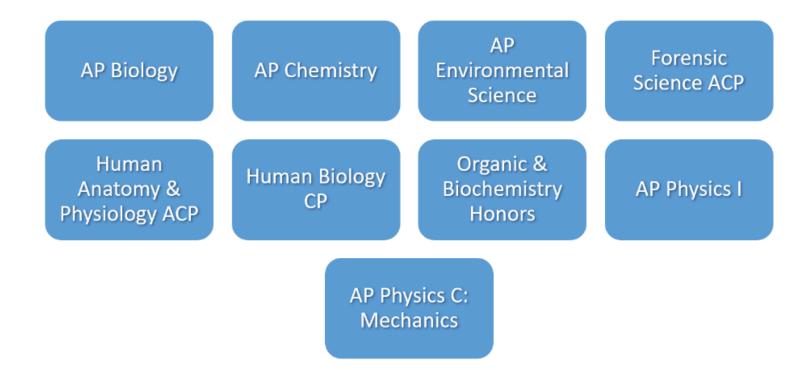
5 credits

The target audience for this class is Seniors Only who are looking for and interested in developing ways to lead a healthy and active lifestyle as they move on into their adult lives. This class is geared for those students who are looking to get and achieve something "extra" out of their Physical Education Class. This is an elective class for those seniors who are also thinking of pursuing a career in the field of health, physical therapy, Coaching, fitness, or fitness management. One day a week, students will be in the classroom learning how to become Personal Trainers. Students will be submitting written reports each marking period demonstrating the knowledge gained around Personal Training. Students will also be learning First Aid as required by all senior level Physical education students. Project adventure style group challenges and initiatives will also be implemented into the course. This course will serve in place of a student's regular physical education class, as it meets the required criteria.

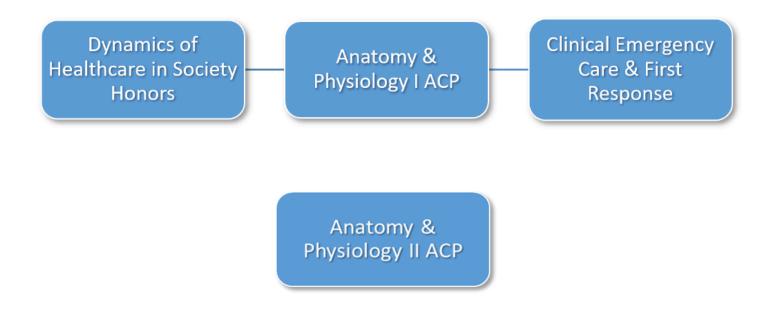
SCIENCE DEPARTMENT 2025-2026 Course Offerings/Sequence



SCIENCE DEPARTMENT ELECTIVES



SCIENCE DEPARTMENT CTE/ALLIED HEALTH ELECTIVES



COURSE DESCRIPTIONS: SCIENCE (ACADEMIC COURSES)

Graduation Requirements for Science in New Jersey - New Jersey high school students must complete a minimum of 15 science credits to graduate. These include: one year of laboratory biology or life science, one year of laboratory/inquiry-based physical science (e.g., chemistry, physics, or environmental science), and one additional year of laboratory/inquiry-based science aligned with the academic core courses of the New Jersey Student Learning Standards. Students are encouraged to pursue a rigorous science curriculum to prepare for college and career readiness.

BIOLOGY CP LAB (VSCI2110)

6 Credits

Biology CP is designed for students who have not met expectations on their state assessments. Biology CP is an engaging and comprehensive course that explores the fascinating world of life sciences. This course provides students with a solid foundation in the principles of biology, from the smallest cellular processes to the complex ecosystems that make up our planet. Through inquiry-based learning, laboratory investigations, and hands-on activities, students will gain a deep understanding of the living world and its relevance to our daily lives. Students use their understanding of biological processes to explain natural phenomena. Students will develop an understanding of biology, including molecular biology, evolution, genetics, ecology, and biotechnology. This course fosters critical thinking and problem-solving skills through laboratory experiments and data analysis.

Grade 9-10



Prerequisites: Successful completion of Science 8 or >95% in Geoscience

BIOLOGY ACP LAB (2120)

6 Credits

Biology ACP prepares students for college and careers by emphasizing key STEM skills and fostering lifelong learning. This engaging course provides a solid foundation in biology, covering topics such as cellular processes, genetics, evolution, ecology, and biotechnology. Through inquiry-based learning, laboratory investigations, and hands-on activities, students explore biological principles, explain natural phenomena, and develop critical thinking and problem-solving skills.

Grade 9-10



Prerequisites: > 80% Average in Science 8 or successful completion of Science 8A

BIOLOGY HONORS LAB (VSCI2125)

6 Credits

Biology Honors is an in-depth and challenging laboratory course designed for students who have a strong interest in the sciences and wish to delve deeper into the complexities of biology. This course builds upon the foundational principles of biology and explores advanced topics, research methodologies, and critical thinking skills, preparing students for further studies in the field of biology or related disciplines. Students use their understanding of biological systems to explain natural phenomena. Students will develop a comprehensive and advanced understanding of biology, including molecular biology, evolution, genetics, ecology, and biotechnology. This course fosters critical thinking and problem-solving skills through laboratory experiments and data analysis. Completion of a summer assignment is required.

Grade 9 😅



Prerequisite: >95% in Science 8 or >80% in Science 8A

ENVIRONMENTAL SYSTEMS ACP LAB (VSCI2023)

6 Credits

Environmental Systems ACP prepares students for college and careers by exploring interactions among Earth's systems—the geosphere, hydrosphere, atmosphere, and biosphere. This interdisciplinary course examines human impacts, environmental challenges, and solutions through hands-on investigations, fieldwork, and critical thinking. Students will gain a comprehensive understanding of the natural world and develop skills to become informed, responsible environmental stewards.

Grade 10-12

Prerequisite: Successful completion of Biology ACP **or** > 95% in Biology CP

ENVIRONMENTAL SYSTEMS CP LAB (VSCI2022)

6 Credits

Environmental Systems CP is designed for students who have not met expectations on their state assessments. Environmental Systems CP is an interdisciplinary course that explores the complex interactions between Earth's Systems - the geosphere, hydrosphere, atmosphere, and biosphere. This course is designed to provide students with a comprehensive understanding of the natural world, human interactions with the environment, environmental issues, and the tools needed to address global challenges. Through hands-on investigations, fieldwork, and critical thinking exercises, students will develop an appreciation for the environment and become informed and responsible stewards of our planet. This course fosters critical thinking and problem-solving skills through laboratory experiments and data analysis.

Grade 10-12



Prerequisite: Successful completion of Biology CP or 95% in Biology

CHEMISTRY ACP LAB (2220)

6 Credits

This course is recommended for college bound students who have the necessary math background and require a physical lab science for college admission. Chemistry ACP is an engaging and comprehensive course designed to provide students with a fundamental understanding of the principles and concepts that govern the behavior of matter and its interactions. Course topics include: the nature and properties of matter, formula writing, chemical reactions, chemical equations, stoichiometry, properties of solids, liquids and gases, acids and bases. This course is designed to foster critical thinking and problem-solving skills through laboratory experiments and data analysis, as well as to provide students with an understanding and appreciation of the impact of chemistry and technology in their everyday lives.

Grade 10-12



Prerequisite: > 80% in Biology ACP or Environmental Systems ACP and >80% average in Algebra I ACP, or successful completion of either Geometry, Algebra II or Algebra II/Trig Honors

CHEMISTRY HONORS LAB (VSCI2221)

6 Credits

Chemistry Honors is a rigorous laboratory course recommended for college-bound students with a strong math background who require a physical lab science for college admission. This course explores the principles governing matter and its interactions, covering topics such as properties of matter, formula writing, chemical reactions, stoichiometry, and acids and bases. Through hands-on experiments and data analysis, students will develop critical thinking, problem-solving skills, and an understanding of chemistry's role in everyday life, preparing them for college-level science studies.

Completion of a summer assignment is required.

Grade 10-12



Prerequisite: >75% average in Biology Honors or >95% in Biology ACP and >85% average in Algebra I ACP, or > 80% average in Geometry Honors, or >75% in Algebra II/Trig Honors.

PRINCIPLES OF CHEMISTRY AND PHYSICS CP LAB (VSCI2801)

6 Credits

This course provides students with a foundational understanding of chemistry and physics concepts through an integrated, hands-on approach. The first half covers topics like matter properties, chemical reactions, and states of matter, while the second half focuses on mechanics, thermodynamics, light, electricity, and magnetism. Designed for students needing additional support, this course emphasizes critical thinking, problem-solving, and laboratory skills to explore the physical world and its principles.

Grade 11-12 Prerequisite: Successful completion of Environmental Systems CP

PRINCIPLES OF CHEMISTRY AND PHYSICS ACP LAB (V2805)

6 Credits

Principles of Chemistry and Physics ACP is designed to prepare students for college/career by emphasizing key skills and practices (NGSS, STEM) and encouraging students to become lifelong learners and engaged citizens. This course is a dynamic and engaging course designed to provide students with a broad understanding of the fundamental principles that underlie both chemistry and physics. This integrated course explores the physical world around us, from the behavior of atoms and molecules to the laws governing motion and energy. The first half of the course will include topics such as the nature and properties of matter, formula writing, chemical reactions, chemical equations and properties of solids, liquids, gases, acids and bases. The second half of the course is designed to give students a basic understanding of the laws of mechanics, thermodynamics, light, electricity and magnetism. This course fosters critical thinking and problem-solving skills through laboratory experiments and data analysis.

Grade 11-12



Prerequisite: Successful completion of Environmental Systems ACP or >95% in Environmental Systems CP and successful completion of Algebra I ACP or Algebra I CP.

PHYSICS ACP LAB (2420)

6 Credits

Physics is recommended for college-bound students as it provides essential skills and knowledge that are applicable across various academic disciplines and career paths in addition to enhancing college admissions prospects. Physics ACP is designed to provide students with a fundamental understanding of the principles that govern the physical world around us. This course will explore the fundamental concepts and laws of physics, equipping students with the knowledge and skills needed to analyze and explain various natural phenomena. Students will gain a basic understanding of the laws of mechanics, thermodynamics, light, electricity, magnetism and other concepts of modern physics. This course fosters critical thinking and problem-solving skills through laboratory experiments and data analysis.

Grade 11-12



Prerequisites: Successful completion of Chemistry ACP and >80% in Geometry ACP, or 75% in Algebra II ACP, or >70% in Algebra II/Trig Honors.

PHYSICS HONORS LAB (VSCI2431)

6 Credits

Physics is recommended for college-bound students as it provides essential skills and knowledge that are applicable across various academic disciplines and career paths in addition to enhancing college admissions prospects. Physics Honors is an in-depth and challenging laboratory course designed for students who have a strong interest in the sciences and wish to develop a deep understanding of the principles that govern the physical world around us. This course will explore the fundamental concepts and laws of physics, equipping students with the knowledge and skills needed to analyze and explain various natural phenomena. Students will gain a basic understanding of the laws of mechanics, thermodynamics, light, electricity, magnetism and other concepts of modern physics. This course fosters critical thinking and problem-solving skills through laboratory experiments and data analysis.

Grade 11-12



Prerequisite: Successful completion of Chemistry Honors or >90% in Chemistry ACP and successful completion of Algebra II ACP, or concurrent enrollment Algebra II/Trig Honors, or Precalculus.

COURSE DESCRIPTIONS: SCIENCE ELECTIVES

BIOLOGY AP LAB (VSCI2130)

6 Credits

Advanced Placement (AP) Biology is an intensive, college-level course that provides students with a comprehensive and in-depth exploration of the principles and processes that govern living organisms. This course is designed to challenge and engage students who have a strong interest in the life sciences and wish to pursue advanced studies in biology or related fields at the college level. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. A summer project will be due on the first day of class. A test will be given on this material. It is expected that students enrolled in this course will sign up to take the AP test.

Grade 10-12

Prerequisite: Successful completion of AP Physics I or Biology Honors or >90% in Biology ACP. *Note*: Courses in high school chemistry and statistics are recommended, although not required.

CHEMISTRY AP LAB (VSCI2230)

6 Credits

Advanced Placement (AP) Chemistry is a rigorous, college-level course that offers a comprehensive exploration of the fundamental principles and concepts of chemistry. Designed for highly motivated students with a strong interest in chemistry and science, this course covers a wide range of topics, from atomic structure to chemical reactions and thermodynamics. AP Chemistry emphasizes critical thinking, problem-solving, and laboratory work, providing students with the skills and knowledge needed to excel in college-level chemistry coursework. A summer project is required which will be due on the first day of class. It is expected that students enrolled in this course will sign up to take the AP test.

Grade 11-12



Prerequisite: Successful completion of AP Physics I or Chemistry Honors or >85% in Chemistry ACP and Algebra II/Trig Honors or Algebra II

ENVIRONMENTAL SCIENCE AP LAB (2730)

6 Credits

Advanced Placement (AP) Environmental Science is a rigorous and interdisciplinary course that explores the complex relationships between humans and the environment. This course is designed for motivated students who seek a deep understanding of environmental issues, sustainability, and the scientific principles that underpin environmental science. Through scientific inquiry, critical analysis, and hands-on investigations, students will develop the knowledge and skills needed to address pressing environmental challenges and make informed decisions about the world around them. A summer project is required which will be due on the first day of class. A test will be given on this material. It is expected that students enrolled in this course will take the AP exam.

Grade 10-12 😅



Prerequisite: Successful completion of Biology AP or Biology Honors or >85% Biology ACP. A co-requisite of Chemistry Honors or Chemistry ACP is required for Sophomores.

ORGANIC/BIOCHEMISTRY HONORS LAB (VSCI2530)

6 Credits

This course is designed for the enthusiastic science students wishing to pursue knowledge beyond basic chemistry. Laboratories are an integral part of the course of study. The major emphasis is on the nature and behavior of carbon based compounds and the implications of their reactions in relationship to the life processes. The course is highly recommended for those who anticipate entering the chemical, medical and health related fields. A summer project is required which will be due on the first day of class and be weighted as a major grade.

Grade 11-12



Prerequisite: Successful completion of Chemistry AP or Chemistry Honors or >85% Chemistry ACP

FORENSIC SCIENCE ACP LAB (VSCI2941)

6 Credits

Forensic Science ACP is focused on the application of scientific methods and techniques to crime and law. Recent advances in scientific methods and principles have had an enormous impact on law enforcement and the entire criminal justice system. This course is intended to provide an introduction to understanding the science behind crime detection. Scientific methods specifically relevant to crime and analysis will be presented with emphasis placed upon the techniques used in evaluating physical evidence. Topics include blood analysis, organic and inorganic evidence analysis, microscopic investigations, hair analysis, DNA, drug chemistry and toxicology, fiber comparisons, paints, glass compositions and fragmentation, fingerprints, soil comparisons and arson investigations. Laboratory exercises include techniques commonly employed in forensics investigations.

Grade 11-12



Prerequisite: Biology and Chemistry

HUMAN BIOLOGY CP (VSCI2340)

5 Credits

This course provides a basic survey of Human Biology. Emphasis is on the structure and functions of body systems and the terminology used to describe the body. Upon completion, students should be able to demonstrate a basic understanding of anatomy and physiology and the appropriate use of medical terminology. This course covers a general study of each organ and an overview of common abnormal physiological conditions associated with each system.

Grade 11-12



Prerequisite: Successful completion of Biology CP and Environmental CP. Note: May be taken after or concurrent with Principles of Chemistry & Physics CP

HUMAN ANATOMY & PHYSIOLOGY ACP (VSCI2323)

5 Credits

This course is designed for motivated science students with a strong interest in pursuing careers in medicine or health-related fields. It offers an in-depth exploration of human anatomy and physiology, focusing on the structure and function of cells, tissues, organs, and organ systems. Through detailed study and hands-on learning, students gain a comprehensive understanding of the human body. This course is highly recommended for students planning a future in medical or health sciences and is not intended for students enrolled in the CTE program.

Grade 11-12



Prerequisite: Successful completion of Biology.

AP PHYSICS I LAB (VSCI2432)

6 Credits

AP Physics I is a rigorous algebra-based, college-level physics course designed to introduce students to the foundational principles of physics through inquiry-based learning and hands-on investigations. The course covers topics such as kinematics, dynamics, energy, momentum, rotational motion, mechanical waves, and simple circuits. Students will develop critical thinking and problem-solving skills by exploring real-world applications of physics concepts, conducting laboratory experiments, and analyzing data. The course emphasizes a deep conceptual understanding of physical principles and the ability to apply mathematical reasoning to solve complex problems. This rigorous course prepares students for the AP Physics I exam and provides a strong foundation for further studies in science, engineering, and other STEM fields. It is recommended for students with strong algebra skills and an interest in understanding the fundamental forces that shape the universe.

Grade 9-12 👺



Prerequisite for incoming freshmen: Only freshmen enrolled in Algebra II/Trigonometry Honors or Geometry Honors will be eligible to take AP Physics I. Students will take a prerequisite assessment at the end of 8th grade to determine eligibility.

Prerequisite for sophomores, juniors, and seniors: Teacher recommendation and minimum grade of a "85" or better in Biology Honors, or "95" in Biology ACP, and a minimum grade of "85" or better in Algebra II or concurrently enrolled in Algebra II/ Trigonometry Honors.

AP PHYSICS C: MECHANICS LAB (VSCI2433)

6 Credits

AP Physics C: Mechanics is a calculus-based, college-level physics course that provides an in-depth exploration of classical mechanics. The course covers topics such as kinematics, Newton's laws of motion, work, energy, power, systems of particles, linear momentum, circular motion, rotation, oscillations, and gravitation. Designed for students with a strong foundation in mathematics, particularly calculus, this course emphasizes problem-solving, analytical reasoning, and the application of advanced mathematical techniques to physical principles. Students will engage in laboratory investigations, data analysis, and theoretical modeling to develop a comprehensive understanding of mechanical systems. This rigorous course prepares students for the AP Physics C: Mechanics exam and serves as an excellent foundation for college programs in engineering, physics, and other STEM disciplines.

Grade 11-12

Prerequisite: A concurrent or prior enrollment in calculus.

ALLIED HEALTH PROGRAM

We are pleased to offer this program, which will offer basic college-level science courses needed for most health-related careers. In addition to the courses, there will be a clinical shadowing component and partnerships with local medical professionals and with Rutgers. The program will also provide support to students in the decision making process as they explore future careers. Together, these components are expected to enhance the students' experience and provide a solid foundation for students to embark on their health science professions.

We have established a concurrent agreement with Rutgers University, which allows us to offer the following Rutgers classes:

- Dynamics of Healthcare in Society (3 credits)
- Emergency and Clinical Care/First Response (2 credits)
- Anatomy and Physiology I ACP (4 credits)
- Anatomy and Physiology II ACP (4 credits)

DYNAMICS OF HEALTHCARE IN SOCIETY HONORS (VSCI2971)

5 Credits

This course provides an in-depth orientation to healthcare systems and delivery, approached from an interdisciplinary perspective. Students will explore the foundational skills necessary for success in healthcare, including critical thinking, ethical reasoning, effective communication, and self-directed learning. Topics include an overview of healthcare careers, patient care ethics, healthcare laws and regulations, and the impact of technology and innovation on modern medicine. Students will examine the dual role of healthcare practitioners as providers and consumers of services, gaining insight into the complexities of healthcare systems. Through case studies, collaborative projects, and reflective activities, students will develop a strong understanding of the expectations and responsibilities of professionals in the dynamic and evolving healthcare industry.

Grade 10-11

Prerequisite: Successful completion of Biology.

ANATOMY & PHYSIOLOGY I ACP LAB (VSCI2320)

6 Credits

This course offers an in-depth exploration of the anatomy and physiology of the human body, focusing on the structure and function of cells, tissues, organs, and organ systems. Students will engage in detailed studies of the body's complex mechanisms, learning how these systems work together to maintain life and health. Laboratory activities, including dissections, models, and hands-on experiments, provide practical, interactive learning experiences that reinforce theoretical knowledge. Topics include cellular biology, the nervous and cardiovascular systems, the skeletal and muscular systems, and homeostasis. This course is highly recommended for students considering careers in medicine, nursing, physical therapy, or other health-related fields, as it builds a strong foundation for future studies in the biological and health sciences. **This class is for CTE students that have completed or are concurrently enrolled in Dynamics and Clinical Emergency Care.**

Grade 11-12

Prerequisite: Successful completion or currently enrolled in Dynamics in Healthcare.

CLINICAL EMERGENCY CARE/FIRST RESPONSE (VPED9420)

5 Credits

Clinical Emergency Care equips students with the knowledge and skills to recognize and respond to emergencies effectively before professional medical help arrives. The course emphasizes practical training in assessing situations, providing immediate care, and ensuring safety during emergencies. Students will gain hands-on experience in lifesaving techniques, including First Aid, CPR, and AED use, and will earn certification in these areas upon successful completion. Additionally, the course covers topics such as emergency preparedness, basic anatomy related to emergency care, and managing various medical, traumatic, and environmental emergencies. This course is ideal for students interested in health sciences, public safety, or developing essential life skills for real-world situations. In order to receive college credit from Rutgers University, students must complete Dynamics of Healthcare before they graduate.

Grade 11-12

Prerequisite: Successful completion or currently enrolled in Dynamics in Healthcare.

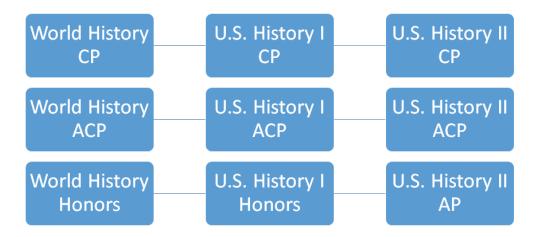
ANATOMY & PHYSIOLOGY II ACP LAB (VSCI2321)

6 Credits

Anatomy and Physiology II ACP is an advanced elective course designed for students pursuing the Allied Health CTE track. This course builds upon the foundational knowledge from Anatomy and Physiology I ACP, with a deeper exploration of human body systems, including the endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive systems. Students will engage in hands-on laboratory activities, including dissections and simulations, to reinforce theoretical knowledge. Emphasis will be placed on clinical applications, diagnostic techniques, and the integration of physiological processes. This course provides essential preparation for students considering careers in health sciences, medicine, or related fields. In order to receive college credit from Rutgers University, students must complete Dynamics of Healthcare before they graduate. Grade 11-12

Prerequisite: Successful completion of Anatomy and Physiology I ACP.

SOCIAL STUDIES DEPARTMENT 2025-2026 Course Offerings/Sequence



SOCIAL STUDIES DEPARTMENT ELECTIVES

African American Studies AP	Changing Times Through Film & Media CP	Civics & Society ACP	Comparative Government & Politics AP
Criminal Justice CP	Economics ACP	European History AP	Human Geography AP
Issues of Conscience ACP	Military History CP	Pyschology ACP	Psychology AP
	Sociology ACP	US Government & Politics AP	

SOCIAL STUDIES DEPARTMENT

WORLD HISTORY CP (1010)

5 Credits

This course gives a general overview of World History from the European Age of Exploration to modern times. This course places special emphasis on reading and writing skills and the use of informational text readings/activities to keep in line with the New Jersey Student Learning Standards (NJSLS).

Grade 9



Prerequisite: < 80% Average in SS8

WORLD HISTORY ACP (1020)

5 Credits

This course is offered to ninth grade students whose selection is based upon teacher recommendation/past achievement. Although the historical periods studied are the same as World History CP, this course is designed with emphasis given to the development of research skills through the study of History. Students will be required to complete research in the various units of study throughout the year. This course will use informational text readings/activities to keep in line with the New Jersey Student Learning Standards (NJSLS).

Grade 9



Prerequisite: > 80% Average in SS8

WORLD HISTORY HONORS (VSOS1030)

5 Credits

This course reviews key historical time periods and significant events that have shaped Africa, the Americas, Asia and Europe. Enrollment in this course is by departmental recommendation/past achievement. Cultural, institutional and technological precedents, along with geography, are the foundations for this course. Greater understanding of the evolution of global societies will be developed through a combination of factual information and analysis. This course will use information text readings/activities to keep in line with New Jersey Student Learning Standards (NJSLS). A summer project is required which will be due on the first day of class and graded as a major test.

Grade 9 😇



Prerequisite: > 90% Average in SS8

U.S. HISTORY I CP (VSOS1210)

5 Credits

This course satisfies the first year of the State of New Jersey's requirements for United States History. It covers the period of United States History which begins with the American colonial period and concludes with the closing of the frontier in the 1870's-1880's. This course places special emphasis on reading and writing skills and the use of informational text readings/activities to keep in line with the New Jersey Student Learning Standards (NJSLS).

Grade 10 🚾

Prerequisite: < 80% Average in World History CP

U.S. HISTORY I ACP (1220)

5 Credits

This course is offered to tenth grade students whose selection is based upon teacher recommendation/past achievement. Also considered is students interest in history and their willingness to accept the additional challenge offered by the course. Although the historical periods studies are the same as the U.S. History I CP course, the students are given more time and freedom to consider the impact of ideas and conflicting interpretations on the nature and origin of American political, social and economic institutions. Position papers and research reports, per marking period, on various ideas and interpretations studied will be required. This course will use informational text readings/activities to keep in line with the New Jersey Student Learning Standards (NJSLS).

Grade 10

Prerequisite: > 80% Average in World History ACP

U.S. HISTORY I HONORS (VSOS1230)

5 Credits

Enrollment in this course is by departmental recommendation/past achievement. The areas studied are the same as U.S. Hisotury I ACP, but issues, ideas and interpretations are studied in more depth. Considerable research is required. This course will use informational text readings/activities to keep in line with New Jersey Student Learning Standards (NJSLS). A summer project is required which will be due on the first day of class and graded as a major test.

Grade 10 🚾

Prerequisites: > 80% Average World History Honors and Teacher Recommendation

U.S. HISTORY II CP (VSOS1310)

5 Credits

This course fulfills state requirements in New Jersey for United States History. It covers the study of the United States from the Age of Industrialization in the late 1800's through contemporary American topics. This course places special emphasis on reading and writing skills and the use of informational text readings/activities to keep in line with New Jersey Student Learning Standards (NJSLS).

Grade 11-12

Prerequisite: < 80% Average in US I CP

U.S. HISTORY II ACP (1320)

5 Credits

This course satisfies the second year of the State of New Jersey's requirement for United States History. This course is offered to eleventh and twelfth grade students whose selection is based upon teacher recommendation/past achievement. Also considered is their interest in history and their willingness to accept the additional challenge and research requirements. The topics studied include all of those covered in U.S. History II CP, however, greater consideration is given to conflicting ideas and theories on these topics as revealed in the student's research and discussion in class. Position papers and research reports on various ideas and interpretations of studies are required. This course will use informational text readings/activities to keep in line with New Jersey Student Learning Standards (NJSLS).

Grade 11-12

Prerequisite: > 80% Average in US I ACP

U.S. HISTORY II AP (1330)

5 Credits

This course satisfies the second year of the State of New Jersey's requirement for United States History. Enrollment in this course is by departmental recommendation/past achievement. This course is taught at a college level. Students are required to write and make oral presentations frequently on U.S. History topics under study. Writing assignments include document-based essay questions, free response essays, thesis statements and research, etc. The course of study follows the recommendations established by the AP Program. This course will use information text readings/activities to keep in line with the New Jersey Student Learning Standards (NJSLS). A summer project is required which will be due on the first day of class and graded as a major test. It is expected that students enrolled in this course will take the AP exam.

Grade 11-12

Prerequisite: > 80% Average in US History I Honors or >90% Average in US History I ACP

ACADEMIC ELECTIVES

AFRICAN AMERICAN STUDIES AP (VSOS1566)

5 Credits

AP African American Studies is an interdisciplinary college-level course that examines the rich and complex history, culture, and contributions of African Americans from pre-colonial Africa to the present. Through the study of history, literature, arts, politics, geography, and sociology, students will gain a comprehensive understanding of African American experiences and their pivotal role in shaping the United States and the world. The course covers key topics such as the transatlantic slave trade, the Civil Rights Movement, African American literature and artistic expression, and contemporary social issues. Emphasis is placed on critical thinking, analysis of primary and secondary sources, and engaging in thoughtful discussions. Students will explore themes of resilience, identity, and justice while considering the broader implications of African American history on society today. This course prepares students for the AP African American Studies exam and provides a strong foundation for further studies in history, sociology, cultural studies, and other related fields. It encourages students to critically analyze historical and contemporary issues through the lens of African American experiences and perspectives. It is expected that students enrolled in this class will sign up to take the AP exam.

Grade 10-12

Prerequisite: None

CRIMINAL JUSTICE ACP

5 Credits

The focus of this course is to examine the American criminal justice system and the agencies and processes that constitute it. Topics covered will include: criminal law, the police and court system, juvenile crime, the prison system, categories of crime, due process, terrorism, gangs, hate crimes, corrections, cybercrime and careers in criminal justice. This course will explore the dynamic field of criminal justice and the ever evolving nature of crime.

Grade 10-12 😇



Prerequisite: World History

CIVICS & SOCIETY ACP (VSOS1430)

5 Credits

This elective course is designed to empower students to take a more active role in their community. This course will build positive and productive citizenship skills by analyzing civil rights, financial responsibilities, the function of the American Government and the democratic process. Topics such as free speech, states' rights, responsible citizenship, political participation, civil rights and financial literacy will be explored. Students will acquire a base of knowledge which will enable them to be more active and responsible citizens-essential for these young adults, in order to serve as contributing members of society in the 21st century. This course fulfills the financial literacy requirement needed for graduation.

Grade 9-12 ***



Prerequisite: None

ECONOMICS ACP (VSOS1540)

5 Credits

This course is designed to introduce students to the vital and basic concepts of economic systems and decision making. Topics of study include supply and demand, features of the American economy, credit, savings and the stock market. Ultimately, students in Economics should expect to have a clearer sense of the economic world in which they participate as well as an enhanced ability to make more informed decisions. This course fulfills the financial literacy requirement needed for graduation.

Grade 11-12



ISSUES OF CONSCIENCE ACP (1461)

5 Credits

The Holocaust of World War II and acts of genocide in the past and the present will be studies as questions of individual conscience and responsibility are raised. The problems of individual identity in a modern state and individual role in modern society are examined as we study acts of humanity and inhumanity and the consequences of those actions for all of us. Throughout the course, the roles of individuals and groups are analyzed to identify choices made by each and the impact of those choices upon the events that followed.

Grade 11-12

Prerequisite: None

PSYCHOLOGY ACP (1431)

2.5 Credits

The purpose of this course is to introduce students to the study of human behavior: i.e., examine the biological bases of behavior, evolutionary psychology, perception, learning, cognition, motivation, development (life span), personality theories, psychological tests and measurements, social psychology, psychotherapy and provide a foundation for those interested in the behavioral science and/or human service occupations. Upon completion of this course, students will better understand themselves and others. Students will also be well prepared if they plan to major in psychology and be able to complete a research paper for college. Students must complete all requirements as well as assignments and projects assigned by the teacher. This course will be paired with Sociology ACP.

Grade 11-12



Prerequisite: None

SOCIOLOGY ACP (1521)

2.5 Credits

This course will develop the process of scientific observations and analysis of social behavior. The basic concepts of sociology that will be studied will provide the student with a greater awareness of others and the way each of us chooses to exist in this society. Specific areas of discussion will include culture, personality, roles, social organizations such as family, institutions and associations, race and ethnic relations, the community and social change. The student will be expected to participate in group activities and gain experience in research techniques, individually and as part of a group. This course will be paired with Psychology ACP.

Grade 11-12 😅



Prerequisite: None

AP HUMAN GEOGRAPHY (VSOS1565)

5 Credits

The focus of this course is to encourage students to utilize spatial concepts and analysis to examine the connection between human populations and the environment. Topics of study include the interplay between culture and the physical world, population growth, cultural evolution, cultural diffusion, the historical movement of people and ideas and the globalization of culture. This course is taught at a college level. The knowledge and skills needed will be more complex and at a higher level of difficulty than those required in the ACP level classes. It is expected that students enrolled in this class will sign up to take the AP exam.

Grade 9-12 🚾

Prerequisite: Teacher recommendation

AP EUROPEAN HISTORY (1605)

5 Credits

The study of European History since 1450 introduces students to cultural, economic, political and social developments that played a fundamental role in the shaping of the world. This course will help develop an understanding of some of the principal themes in Modern European History. Students will develop an ability to analyze historical evidence, historical interpretation and an ability to express historical understanding in writing. This course is taught at a college level. The knowledge and skills needed will be more complex and at a higher level of difficulty than those required in the ACP level classes. A summer project is required which will be due on the first day of class and graded as a major test. It is expected that students enrolled in this course will take the AP exam.

Grade 11-12 🚾



Prerequisite: None

AP UNITED STATES GOVERNMENT & POLITICS (1600)

5 Credits

This course introduces students to key political ideas, institutions, policies, interactions, roles and behaviors that characterize the political culture of the United States. Students will be required to write frequently on the topics under study including document-based essay questions, free response essays, thesis statements and research, etc. Students will be required on a regular basis to read and interpret primary source documents and secondary materials such as maps, charts, posters, political cartoons, etc. and work with the art of historical analysis. This course is taught at a college level. The knowledge and skills needed will be more complex and at a higher level of difficulty than those required in the ACP level classes. A summer project is required which will be due on the first day of class and graded as a major test. It is expected that students enrolled in this course will take the AP test. This course is offered in even numbered years (Fall 2022, Fall 2024).

Grade 10-12



Prerequisite: None

AP COMPARATIVE GOVERNMENT & POLITICS (V1620)

5 Credits

The focus of this course is an in-depth analysis of the forces and concepts behind the various ideologies which have arisen in history and examines the interplay of these forces in the world of international politics. An evolutionary examination of these political ideologies will be provided including the building of a theoretical foundation involving both institutional and behavioral factors. The students will be required to write frequently on the topics under study. These will include document-based essay questions, free response essays, thesis statements and research, etc. This course is taught on a college level. The knowledge and skills needed will be more complex and at a higher level of difficulty than those required in ACP level classes. A summer project is required which will be due on the first day of class and graded as a major test. It is expected that students enrolled in this course will take the AP exam. This course is only offered in odd numbered years (Fall 2023, Fall 2025).

Grade 10-12 ***



Prerequisite: None

AP PSYCHOLOGY (VSOS2023)

5 Credits

AP Psychology is an introductory college-level psychology course. Students cultivate their understanding of the systematic and scientific study of human behavior and mental processes through inquiry-based investigations as they explore concepts like the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. This course is taught at a college level. The

knowledge and skills needed will be more complex and at a higher level of difficulty than those required in the ACP level classes. It is expected that students enrolled in this class will take the AP exam.

Grade 9-12 🚾

Prerequisite: Teacher recommendation

MILITARY HISTORY CP (VSOS1496)

2.5 Credits

Military History CP is a semester course exploring the nation's military heritage, emphasizing its role within the political, civic, and social fabric of the U.S. Students analyze historical events shaping the armed forces and examine the responsibilities of citizen soldiers in defending and promoting democracy. The course develops critical skills such as reading, writing, research, and communication, aligning with the 2020 New Jersey Student Learning Standards for Social Studies, Career Readiness, and related disciplines. It incorporates mandates on the Amistad, Holocaust/Genocide, Diversity & Inclusion, and AAPI studies. The course pairs with Changing Times Through Film and Media CP for a well-rounded learning experience.

Grade 9-12

Prerequisite: None

CHANGING TIMES THROUGH FILM AND MEDIA CP (VSOS1495) 2.5 Credits

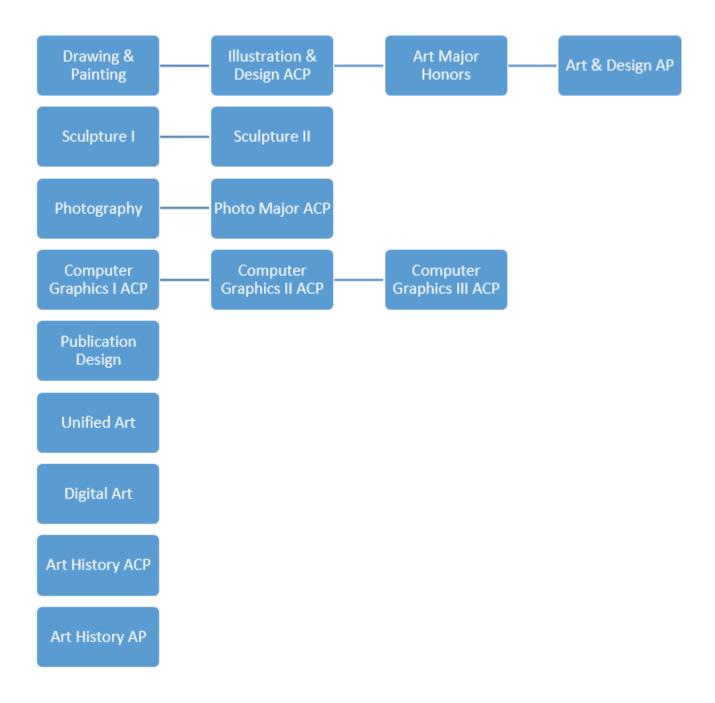
Changing Times Through Film and Media CP is a semester-long elective that examines U.S. history through the lens of popular culture, including film, media, music, art, literature, sports, fashion, technology, and food trends. Students analyze how historical events and economic trends shaped societal changes from the colonial era to modern times, with themes such as gender roles, race relations, and cultural evolution. The course emphasizes reading, writing, and informational text analysis, aligning with New Jersey Student Learning Standards (NJSLS). It fulfills state requirements for U.S. History and evaluates students through various assessments, projects, and participation. This course is paired with Military History CP.

Grade 9-12

Prerequisite: None

VISUAL ARTS DEPARTMENT

2025-2026 Course Offerings/Sequence



VISUAL ARTS

DRAWING & PAINTING, ART I (6030)

5 Credits

Students will be introduced to the concept of exercising the right side of the brain and learning to see as the artist sees. Initially, students will work with pencil, charcoal and ink. Students will then use color media including craypas, pastels, tempera, watercolor, and acrylics. After experimenting with each medium, individual expression and problem solving will be emphasized. In addition, students will develop a deeper understanding of the elements of art and principles of design. The primary goal of this class is for each student to learn how to successfully draw what they see.

Grade 9-12

ILLUSTRATION & DESIGN ACP, ART II (V6011)

5 Credits

The fundamentals of design, application of the elements and principles of art and developing strong instincts for strong compositions are all embedded in this class curriculum. While creating a variety of original artworks, students will explore the processes of calligraphy, illustration, cartooning and comic book development, tattoo design, block printing, acrylic painting, gouache painting, watercolor painting. Sketchbooks/journals will be used throughout the year as a means of cataloging thoughts, sketches and small works.

Grade 10-12

Prerequisite: Drawing & Painting

SCULPTURE I (VVIA6000)

5 Credits

Sculpture I introduces the student to conceptualizing, designing and constructing in three dimensions. Basic principles of design are stressed in the various media explored in this discipline., both in functional as well as non-functional artwork. Individual artistic expressions is stressed in this course and a full spectrum of artistic experiences are introduced- from clay sculpture throwing on the wheel, additive and subtractive sculpture techniques to historically developed utilitarian objects. Clean-up responsibilities are an integral part of the grading system.

Grade 9-12

SCULPTURE II (VVIA6001)

5 Credits

Sculpture II will refine and advance the use of media, tools, processes, skills and techniques. Students will work on class assignments and independent projects in a variety of sculptural materials, with the approval of the instructor. Student projectects will reflect original ideas and concepts in conjunction with themes of personal significance, cultural and contemporary nature. Students are introduced to more complex tools that will yield a collection of artwork suitable for exhibition or college portfolio presentation.

Grade 10-12

Prerequisite: Sculpture I & instructor approval.

ART HISTORY ACP (VVIA6050)

5 Credits

The Art History ACP course is designed to provide the same benefits to students as those provided by an introductory college course in art history. Art History ACP focuses on developing an understanding and knowledge of architecture, sculpture, painting and other forms within diverse historical and cultural contexts. In this course, students examine major forms of artistic expression from the past and present and from a variety of cultures. Students will learn to look at art critically, with intelligence and sensitivity and to analyze what they see.

AP ART HISTORY (6040)

5 Credits

The Art History AP course is designed to provide the same benefits to students as those provided by an introductory college course in art history. The focus of this course is on developing an understanding and knowledge of architecture, sculpture painting and other art forms within diverse historical and cultural contexts. In this course, students examine major forms of artistic expression from past and present and from a variety of cultures. Students will learn to look at art critically, with intelligence and sensitivity and to analyze what they see. This class includes detailed preparation for the AP Art History Exam. A summer project is required which will be due on the first day of class and graded as a major test. It is expected that students enrolled in this course will take the AP exam.

Grade 9-12

ART MAJOR Honors, ART III (6100)

5 Credits

Each student will work independently on assignments in selected areas of fine arts with the direction of the instructor. Art research and readings are an integral part of the course. The students must participate in art shows as exhibitors whenever possible and will be expected to design and install mini-exhibits. The art major program is provided for those students who love the making of art and plan to attend art school or study art on the college level. Important objectives of the course are to develop a complete portfolio that may be used for job or school applications and to maintain a sketchbook. Each student will receive a sketchbook which will primarily be used for research and composition sketches. **There will be a \$20 studio fee due to the material expense related to this portfolio development.**

Grade 11-12 (grade 10 with teacher approval)

Prerequisite: Art I & Art II

AP ART AND DESIGN, ART IV (6120)

5 Credits

This advanced placement course is designed to provide a near authentic college class experience as well as the opportunity to earn college credit. It includes 3 different portfolio types, which the student will choose from: Drawing Portfolio, 2D Design Portfolio and 3D Portfolio. Each student is expected to adhere to the digital portfolio requirements of the class. The portfolio is comprised of two components showcasing the students original work: the quality section holds the student's absolute best works (5 minimum), the Sustained Investigation section includes the student driven works encompassing experimentation, revision and research with the resulting finished works. These works may be of various media. The portfolio is submitted to the AP College Board for evaluation in early May. As in all AP courses, summer assignments are given out the previous June and are expected to be turned in the first week of school in September. **There will be a \$20 studio fee due to the material expense related to portfolio development.**

Grade 11-12

Prerequisite: Successful completion of two consecutive levels of art

PHOTOGRAPHY (V6219)

5 Credits

This course is for the beginner digital photographer and is meant to help you master your digital camera so that you can begin to shoot in the manual mode. You will learn the basics of Digital Photography which includes a brief history of photography, composition and design elements, understanding camera settings, apertures and shutter speeds and all things necessary to produce a quality image. Students taking this course must be willing to work with technical equipment and Adobe Photoshop. If you do not own a digital camera, you will be able to sign out one from the High School to use.

PHOTOGRAPHY MAJOR ACP (6220)

5 Credits

Major will continue to build on all of the basic skills that were introduced in Photography 1. We will spend more time learning/using the digital camera as an art-making tool. Students will continue to learn and apply the basic elements of art and the principles of design. This course will also provide students with opportunities to extend their knowledge and skills in the field of photography and the use of Adobe Photoshop. Digital Photography will familiarize the student with digital photographic equipment, materials, methods, and processes. Visual problem solving skills are explored through the use of the computer as the main tool for creative expression and communication. Cellphone photography and editing with a variety of phone applications will be infused in the curriculum. Self promotion of student photography is encouraged and beginning social media marketing is introduced. An important objective will be to develop a portfolio of high quality photographs that reflect a personal vision or theme as well as technical and artistic skills.

There will be a \$20 studio fee due to the material expense related to portfolio development.

Grade 10-12

Prerequisite: Photography

PUBLICATION DESIGN (VVIA6310)

5 Credits

Development of the modern theme, the structure of a book, layout design, graphics, typography, reporting, writing copy, editing, proofreading, cropping, photography and word processing are taught in the process of publishing the high school yearbook. A balanced budget with its record keeping and financial campaigns are included. Good typists, writers, artists and photographers are especially welcome. **This course may be repeated for credit, with the approval of the Instructor.**

Grade 12

Prerequisite: Permission of the instructor.

COMPUTER GRAPHICS I ACP (VVIA6040)

5 Credits

Computer Graphics I ACP offers experience in working with computers and computer art applications. The students explore a variety of programs and disciplines of computer-generated art. The principles of design are studied for the planning of all projects. The history of art, design and photography are included in the program to broaden the base of each student's ideas of design and art. Students are exposed to a variety of programs that are used in the art and design world. These programs may include Adobe Photoshop, Adobe Illustrator, Animation Programs and Adobe InDesign. These are the basic types of programs that are used in all collegiate art departments and all these programs are used in photo studios, animation studios, painting studios and all advertising/design firms.

Grade 9-10

COMPUTER GRAPHICS II ACP (VVIA6060)

5 Credits

This course is designed for students who have successfully completed Computer Graphics I ACP and wish to further their knowledge of using the computer as a design tool. The focus of this course is to provide students with an opportunity to create, print and present polished art for a well-rounded portfolio. Students are introduced to more complex tools and commands within the graphic software and video editing software. This software is used to produce montages and presentations, as well as advanced designed projects.

Grade 10-11

Prerequisite: Computer Graphics I ACP

COMPUTER GRAPHICS III ACP (VVIA6070)

5 Credits

This class will be a third level, advanced class, working with Illustrator & Photoshop on assignments that continue to show advanced styles and effects that may be seen in advertising, magazines, commercials, games, internet, etc. The class will also incorporate more of the design/printing processes that are part of design, which will teach cost, limitations on designs as well as budget savings. Part of the printing curriculum will also include learning how to use the banner/color printers.

Grade 11-12

Prerequisite: Computer Graphics II ACP

UNIFIED ART (VVIA2021)

5 Credits

An inclusive art program where all students have access to fun, positive, and meaningful experiences. Classroom environment will support every student and introduce an equitable peer partner strategy where all students develop partnerships and leadership skills. Students of varying ability levels will learn together throughout the art course.

Grade 9-12

Prerequisites: General education students must be in grades 11 or 12 and must schedule a meeting with the course instructor prior to registration to discuss course expectations and ensure alignment with program goals.

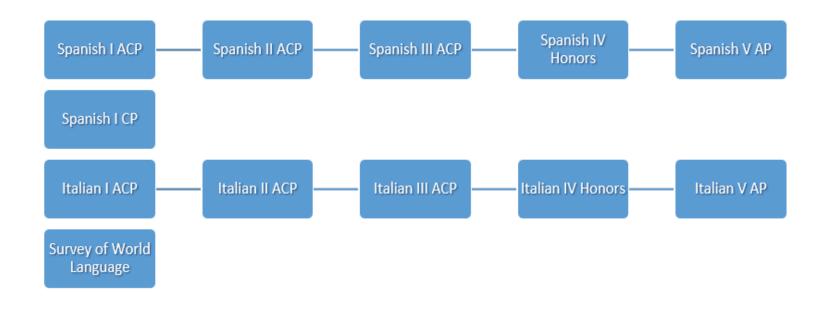
DIGITAL ART (VVIA6030)

5 Credits

An inclusive art program where all students have access to fun, positive, and meaningful experiences. Classroom environment will support every student and introduce an equitable peer partner strategy where all students develop partnerships and leadership skills. Students of varying ability levels will learn together throughout the art course.

Grade 11-12

WORLD LANGUAGE DEPARTMENT 2025-2026 Course Offerings/Sequence



WORLD LANGUAGE DEPARTMENT: Course Descriptions

SPANISH I CP (VWLA3205)

5 Credits

This is a proficiency and communicative based approach to learning a world language. Communication and acquiring cultural knowledge will be stressed. This course is designed only for those students desiring to meet the state mandated world language requirements for graduation and may not fulfill admission requirements for many four-year colleges. If students wish to continue to study the language, the next level is Spanish I ACP

Grade 9-12

SPANISH I ACP (3210)

5 Credits

This course is offered to students to begin to develop the skills needed for communication in Spanish: hearing and understanding, speaking, reading and writing. Students become familiar with Hispanic customs and civilizations through readings and classroom activities.

Grade 9-12 ***

SPANISH II ACP (3230)

5 Credits

This is an intermediate course which continues to develop the skills learned in Spanish I. A review of the speaking and writing patterns is presented during the first part of the course. Later, there is a continued emphasis on auditory comprehension as well as speaking, reading and writing abilities. Students acquire an awareness of the Hispanic world from reading material dealing with the similarities and differences among the Hispanic nations. Their relationship with the United States is also discussed.

Grade 9-12 🚾

Prerequisite: Successful completion of Spanish I ACP

SPANISH III ACP (3240)

5 Credits

This is an intermediate course which continues to emphasize or al communication and the ability to speak Spanish with greater fluency. At this time, emphasis is placed on developing conversational flexibility in a range of circumstances beyond immediate survival needs. Reading and writing skills are further developed. Contemporary Spanish culture is explored in greater depth.

Grade 10-12

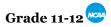


Prerequisite: Spanish II ACP with a minimum grade of 80% and teacher recommendation

SPANISH IV HONORS (VWLA3270)

5 Credits

Spanish IV Honors is an advanced course which continues to perfect oral communication and the ability to speak fluently. Emphasis is placed on sustaining a sophisticated level of conversational ability. A comprehensive survey of major literary genres, including representative authors, is presented. The student should be able to write extemporaneously as a response to stimulus or on a topic of his own choosing. Contemporary culture continues to be explored. Students should be prepared for a more challenging and demanding program. A summer project is required which will be due on the first day of class and graded as a major test.



Prerequisite: Spanish III ACP with a minimum grade of 80% and teacher recommendation

SPANISH V AP (3290)

5 Credits

This course is designed to provide the student with the skills and information needed to successfully complete the Spanish AP Exam in Language Structures. Students will develop conversational skills by acquiring additional vocabulary and word usage practice within the contexts of various work-related areas. Students will increase their understanding of Spanish literature by a survey of some of the most representative writers in most genres. Writing skills will be developed both practically (letters, forms, outlines, articles) and formally (Literary analysis, essays). Increased understanding of the cultures of the Spanish speaking world will also be achieved. Throughout the year, the course will adhere to the guidelines that are outlined in the course of study provided by the publishers of the AP exam. The discussions, the essays and the cassette tapes used will prepare the students for the Spanish AP exam. All course work is done in the target language. A summer project is required, which will be due on the first of class and graded as a major test. It is expected that students enrolled in this course will take the AP test.

Grade 12

Prerequisite: Spanish IV Honors with a minimum grade of 80% and teacher recommendation

ITALIAN I ACP (3410)

5 Credits

Italian I ACP is a proficiency and communicative based approach to learning a world language. Auditory comprehension is emphasized and integrated with speaking, reading and writing. Classroom activities stress communication, cultural knowledge and interdisciplinary connections.

Grade 9-12 ***

ITALIAN II ACP (3420)

5 Credits

Italian II ACP continues to emphasize oral communication and interdisciplinary connections. This course also encourages the use of Italian with fluency in some topics. There is greater stress on reading and writing activities. The Italian culture is studied with an emphasis on the life and customs of the Italian-speaking people.

Grade 10-12



Prerequisite: Successful completion of Italian I ACP

ITALIAN III ACP (3430)

5 Credits

Italian III ACP is an intermediate course continuing the emphasis on oral communication with greater proficiency in the target language. The development of conversational flexibility in a range of circumstances beyond immediate survival needs is stressed, as is reading and writing competence. Contemporary Italian culture is explored in greater depth.

Grade 11-12



Prerequisite: Italian II with a minimum grade of 80% and teacher recommendation

ITALIAN IV HONORS (VWLA3460)

5 Credits

Italian IV Honors is an advanced course, which continues to perfect oral communication and the ability to speak fluently. Emphasis is placed on sustaining a sophisticated level of conversational ability. A comprehensive survey of major literary genres, including representative authors, is presented. The students should be able to write extemporaneously as a response to stimulus

or on a topic of his choosing. Contemporary culture continues to be explored. Students should be prepared for a more challenging and demanding program. A summer project is required, which will be due on the first day of class and graded as a major test.

Grade 12

Prerequisite: Italian III ACP with a minimum grade of 80% and teacher recommendation

SPECIAL SERVICES

COMPREHENSIVE EDUCATION PROGRAMS

The Comprehensive Education Program offered through the Special Services Department is designed to prepare students for independent adult lives. Emphasis is placed on the development of skills needed to function competently in the job world and in the community. The focus of the curriculum will be to prepare students to demonstrate proficiency in the New Jersey Student Learning Standards as measured by the NJSLA or Dynamic Learning Maps. Functional academics in the areas of Language Arts, Math, Science and Social Studies will be infused into the curriculum to concretely show the application of these skills in real life applications. In addition, these courses will teach the personal skills and strategies students will need to develop inter/intrapersonal competencies necessary for coping with various life experiences. Students will have opportunities to explore and develop friendships, experiment with a variety of social roles and to experience control over their lives and responsibility for their actions.

PREPARATION FOR LIFE SKILLS, Pre-DILS (VSPS9440)

5-20 Credits

This course is conducted in a self-contained environment and will lead to students being instructed in the fundamentals of living in the world today. It is open only to those who have the recommendation placed in their IEP. The program offers a variety of courses in the major subject areas of Mathematics, English, Science and Social Studies. These courses have been modified to provide the opportunity for academic success for students who have demonstrated the need for replacement instruction. **Grade 9-12**

DEVELOPING INDEPENDENT LIFE SKILLS (VSPS9420)

5-10 Credits

This course will emphasize the development of self-help skills necessary for participating fully in all areas of the home environment, critical for functioning as an independent adult. Students will learn personal management skills such as budgeting and developing an ability to determine essential needs versus non-essential items. This course will be based on a simulated work environment to introduce, practice and review pre-vocational and vocational skills. Academics in the areas of Language Arts, Mathematics, Science and Social Studies which are fundamental to the development of independent life skills have been infused into the curriculum of this course.

Grade 9-12

CAREER/VOCATION (VSPS9506)

5 Credits

This course will focus on the educational stages of career development: awareness, exploration, preparation and training. Students will demonstrate the academic and skill training necessary to obtain and maintain a job. Some of the topics students will study are: effective communication on the job, completing job applications, appropriate dress and behavior for an interview and/or job and selecting appropriate employment. Academics in the areas of Language Arts, Mathematics, Science and Social Studies which are fundamental to the study of careers and in the development of skills and attitudes necessary for success in the work world have been infused into the curriculum of this course.

Grade 9-12

PREPARATION FOR CITIZENSHIP (VSPS9400)

5 Credits

This course will utilize and study environments frequented by students and families to facilitate generalizing skills into real-life situations. Proper behavior in public places, using public transportation, developing an awareness of physical wellness and learning about citizenship rights and responsibilities are just a few of the topics studied in this course. Academics in the areas of Language Arts, Mathematics, Science and Social Studies which are fundamental to the study of citizenship have been infused into the curriculum of this course.

SPS FINANCIAL LITERACY (VSPS9507)

2.5 Credits

This course is designed to promote personal and financial responsibility related to financial planning, savings, investment and charitable giving in the global economy. Students will learn to take responsibility for personal financial decisions, summarize major consumer protection laws, develop a plan for spending and saving and develop a system for keeping and using financial records. Applying consumer skills to purchase decisions including developing a personal financial plan, maintain creditworthiness, borrow at favorable terms and manage debt. Students enrolled in this course are expected to also enroll in Pathways to the Future.

Grades 9-12

PATHWAYS TO THE FUTURE (VSPS9442)

2.5 Credits

This course invites students to explore opportunities and requirements in planning for their future goals. Students will be able to explore career goals and consider a plan and timetable including educational and training requirements and possible costs. Students will identify personal interests and aptitudes related to careers including analyzing how economic, social-cultural and political conditions can affect income and career potential. Students will be able to identify the educational and training requirements. Students will research how to find and apply for jobs, create a personal resume, develop interviewing techniques and analyze the application process. This class follows the Financial Literacy class.

Grade 9-12

SPANISH 1 (VSPS3205)

5 Credits

This is a proficiency and communicative based approach to learning a world language. Communication and acquiring cultural knowledge will be stressed. This course is designed only for those students desiring to meet the state mandated world language requirements for graduation and may not fulfill admission requirements for many four-year colleges.

MATHEMATICS

BASIC MATH (VSPS9595)

5 Credits

This course is designed to meet the needs of students who have difficulty in the area of mathematics and who need to further develop basic life and math skills. Students will learn basic addition, subtraction, multiplication, division, fractions and decimals. This course is designed for students who are assessed through Dynamic Learning Maps and who are exempt from taking the NJSLA.

Grade 9-12

PRE-ALGEBRA (VSPS9500)

5 Credits

Pre-Algebra is a required course for those students who are in need of additional math skills in order to take the high school graduation required course, Algebra I. This course will focus on the basics of algebra and geometry. Terminology, vocabulary, writing and basic operations are stressed. This course will address the NJ Student Learning Standards as prescribed in the student's IEP.

Grade 9

ALGEBRA I (VSPS9501)

5 Credits

Operational skills and concepts are developed as an out-growth of the system of real numbers. Emphasis is on the development of abstract reasoning and problem-solving skills. The components of this course are included in the NJSLA. This course will address the New Jersey Student Learning Standards as prescribed in the student's IEP.

Grade 9-11

APPLIED GEOMETRY (VSPS9502)

5 Credits

This course will take a practical, hands-on approach to the study of Euclidean geometry. Emphasis will be on the everyday applications of geometry concepts. Euclidean geometry is the core around which major themes of this course are organized. In addition, this course includes logical sequence, geometry applications of algebra and the use of transformations and constructions. This course will address the New Jersey Students Learning Standards as prescribed in the student's IEP.

Grade 10-12

Prerequisite: Successful completion of Algebra I

COLLEGE MATH (VSPS9550)

5 Credits

This course is designed to build upon algebra and geometry skills learned in previous classes and prepare students for success in college, career and beyond. The course reinforces and extends the fundamentals of geometry and algebra and will focus on the Algebra Accuplacer test to cover topics including: operations with whole numbers and fractions, operations with decimals and percents, applications and problem solving. Students that earn above a 76 on this test will fulfill graduation requirements and place out of no credit math classes at community college. After completion of the Accuplacer exam, students will study a variety of probability, statistics and algebra II concepts.

Grade 11-12

Prerequisite: Successful completion of Algebra I and Applied Geometry

ENGLISH

LIFE SKILLS ENGLISH (VSPS9612)

5 Credits

This course is designed to meet the needs of students who have difficulty in English and who need to further develop basic life reading and writing skills. Students will focus on site vocabulary, decoding and basic writing skills necessary for career and vocational readiness. This course is designed for students who are assessed through the Dynamic Learning Map Assessment process and are exempt from taking the NJSLA.

Grade 9-12

ENGLISH I (VSPS9605)

5 Credits

This is a recommended English course for those ninth grade students identified by the IEP team as having difficulty in mastering grade level reading and writing skills. This course will focus on providing high interest literary selections and a comprehensive language skills program. Emphasis will be placed on fulfilling the New Jersey Student Learning Standards assessed on the NJSLA are prescribed by the students IEP.

Grade 9

ENGLISH II (VSPS9606)

5 Credits

This is a required English course for those tenth grade students who have been identified by the IEP team as having difficulty mastering grade-level reading and writing skills. This course will focus on high interest literary selections and a comprehensive language skills program. Emphasis will be placed on fulfilling the New Jersey Student Learning Standards assessed on the NJSLA as prescribed in the student's IEP.

Grade 10

ENGLISH III (VSPS9607)

5 Credits

This is a required English course for those eleventh grade students who have been identified by the IEP team as having difficulty mastering grade-level reading and writing skills. This course will focus on high interest literary selections and a comprehensive language skills program. This course will address the New Jersey Student Learning Standards as prescribed within the student's IEP.

Grade 11

ENGLISH IV (VSPS9609)

5 Credits

This course is a continuation of the English III course. Continued emphasis is placed on strengthening basic skills in reading, writing and public speaking. Students will have the opportunity to work closely with their teacher to develop essential communication skills necessary for independent living as adults. This track will address the New Jersey Student Learning Standards as prescribed within the student's IEP.

Grade 12

SCIENCE

BIOLOGY LAB (VSPS9710)

6 Credits

Students will study topics such as the structure of living things, the human body, simple to complex animals, simple to complex plants, living processes, microbiology and the organism in relation to its environment. Special attention will be given to the development of reading and study skills in the content area as well as the Next Generation Science Standards as prescribed in the student's IEP.

Grade 9

ENVIRONMENTAL SYSTEMS LAB (VSPS9715)

6 Credits

Students in Environmental Systems will explore interactions among Earth's systems—the geosphere, hydrosphere, atmosphere, and biosphere. This interdisciplinary course examines human impacts, environmental challenges, and solutions through hands-on investigations, fieldwork, and critical thinking. Students will gain a comprehensive understanding of the natural world and develop skills to become informed, responsible environmental stewards.

Grade 10-12

Prerequisite: Successful completion of Biology.

PRINCIPLES OF CHEMISTRY AND PHYSICS LAB (VSPS9720)

6 Credits

Course content and activities in this class will cover the major topics in both chemistry and physics. This course will address the Next Generation Science Standards as prescribed in the student's IEP.

Grade 11-12

Prerequisite: Successful completion of Biology and Environmental Systems.

SOCIAL STUDIES

WORLD HISTORY (VSPS9800)

5 Credits

This course gives a general overview of world history from the European age of exploration to the Modern period. Emphasis will be placed on individualizing instruction to enhance the potential for academic success. Activities and assignments are designed to improve basic reading, writing and organizational skills. This course will address the New Jersey Student Learning Standards as prescribed within the student's IEP.

Grade 9

U.S. HISTORY I (VSPS9810)

5 Credits

This course satisfies the first year of the State of New Jersey requirements for United States History. The course begins with a study of the early Indian civilizations and concludes with the closing of the frontier in the 1870s-1880's. Emphasis will be placed on individualizing instruction to enhance the potential for academic success. Activities and assignments are designed to improve reading, writing, organizational and public speaking skills. This course will address the New Jersey Student Learning Standards as prescribed within the student's IEP.

Grade 10-12

U.S. HISTORY II (VSPS9820)

5 Credits

This course satisfies state requirements in New Jersey for United States History. The course begins with a study of the Age of Industrialization and ends in modern times. Emphasis will be placed on individualizing instruction to enhance the potential for academic success. Activities and assignments are designed to improve reading, writing, organizational and public speaking skills. This course will address the New Jersey Student Learning Standards as prescribed within the student's IEP.

Grade 11-12

SUPPLEMENTAL INSTRUCTION

STUDY SKILLS (VSPS99630)

5 Credits

This course reinforces skills taught in Science, Math, English and History general education classes. Students will receive assistance in completing assignments and taking tests. This course is designed to help students to be more successful in their general education courses.

Grade 9-12

SENIOR OPTIONS

SENIOR SERVICE/STUDY (VERN9998)

2.5 Credits

The Senior Service placement is developed by the student and the student's Senior Service Coordinator. Students are required to keep written journals and time sheets. The focus of the program is to make meaningful contributions to the school community. **Grade 12**

SENIOR WORK/Experience

5 Credits

Senior Work/Study is for those students who wish to participate in career exploration through the use of a hybrid schedule consisting of traditional classroom instruction as well as employment. Students will be dismissed at 11:03 am to participate in the workforce. This class will run during Unit Lunch each day and will cover various career exploration topics. Enrollment is limited to students who have earned 115 credits through grade 11.

Grade 12

AP CAPSTONE

The AP Capstone program, developed by the College Board, is an innovative two-year program designed to equip students with the critical thinking, research, collaboration, and presentation skills essential for success in college and beyond. It consists of two sequential courses: **AP Seminar** and **AP Research**, which focus on building students' ability to analyze issues, develop evidence-based arguments, and present their findings effectively.

Benefits of AP Capstone

- College Preparedness: Develops advanced skills in research, writing, and public speaking that are highly valued in college admissions and academic success.
- Academic Distinction: Completion of the program is recognized by colleges and universities, with the AP Capstone Diploma serving as a prestigious credential.
- Interdisciplinary Focus: Encourages exploration of real-world issues and challenges from multiple perspectives, fostering creativity and problem-solving.
- Personal Growth: Builds confidence, teamwork, and the ability to synthesize information across disciplines.

Program Requirements

To complete the AP Capstone program, students must:

- Take AP Seminar: In this foundational course, students explore complex topics, analyze diverse perspectives, and develop arguments through research-based essays and presentations.
- Take AP Research: Building on skills from AP Seminar, students design, execute, and defend an independent yearlong research project on a topic of their choice.

- Earn Qualifying Scores: Students must achieve a score of 3 or higher on both AP Seminar and AP Research exams, as well as on four additional AP exams in subjects of their choice, to earn the AP Capstone Diploma.
- For students who score 3 or higher in AP Seminar and AP Research but do not meet the requirement for additional AP exams, the AP Seminar and Research Certificate is awarded.

AP Capstone empowers students to become independent thinkers, collaborative problem solvers, and effective communicators, preparing them for the academic challenges of college and beyond.