



# PERTH AMBOY HIGH SCHOOL



## PROGRAM OF STUDIES 2023 - 2024

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## **Perth Amboy High School Administration**

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Mrs. Karla Garcia  
*Principal ~ Personalized Learning Program*

Ms. Maribel Arce  
*Vice Principal ~ Main Campus*

Mr. Stephen Dominguez  
*Vice Principal ~ Main Campus*

Mr. Alexander Lopes  
*Vice Principal ~ Main Campus*

Dr. Charles Ezell  
*Vice Principal ~ Main Campus*

Ms. Shirley Hernandez  
*Freshman Academy Vice Principal ~ South Campus*

Mr. Aly Abdelgawad  
*Freshman Academy Vice Principal ~ East Campus*

## **About the Program of Studies**

The Perth Amboy High School (PAHS) Program of Studies is a valuable reference manual for students, parents, and school personnel actively involved in curriculum planning at PAHS. It is a complete guide to course offerings at the high school.

\*As this document is edited and published several months prior to the beginning of the school year, it should be noted that changes in areas such as personnel, budgeting, and state requirements may result in unavoidable discrepancies between what is listed and what is offered. All graduation requirements, and particularly testing requirements, are closely monitored by district and building-level administration for assured compliance despite transition at any level.

Each department has described its specific course offerings, highlighting the main components of each course. Please understand that final decisions about the course offering will depend on enrollment and budget constraints. Therefore, not all classes listed in this Program of Studies are guaranteed to run every school year. Planning an individual student's high school program of studies demands a cooperative effort between home and school. The program of studies that a student pursues in high school should reflect his or her aspirations, achievements, and aptitudes.

The courses at PAHS provide students with many opportunities to meet educational needs. Beyond state, district, and college and career requirements, students are encouraged to select courses that will be academically stimulating and personally enriching. In selecting courses, the following criteria should be considered:

Does the course...

- meet the high school graduation requirements?
- provide an outlet for interests in specific subject areas?
- fulfill college entrance requirements?
- reflect the proficiency level for which the student is best suited?
- provide a background for post high school plans leading to career options?

### **We advise the following considerations when planning an academic schedule:**

- During scheduling, make sound initial choices. Initial low enrollment totals may lead to the cancellation of a course, thus decreasing the options for change once the master schedule is complete.
- Choose courses, not teachers. Students and parents should not make the mistake of choosing or refusing a course based on the perception of a particular instructor. Each choice should be based on the merits of the course content and its value to students' specific needs. Please understand that requests for schedule adjustments based on the issue of personnel will not be honored.
- Discuss specific subject area choices with teachers and/or department supervisors who can share valuable insight into the nature of specific courses.
- When planning course level placement, consider taking the most challenging course load that can be handled without creating an undue burden. It may be better for students to experience success in an appropriate placement than to experience extreme difficulty in an inappropriate placement.

## Department of School Counseling and Related Services

**Purpose:** School Counselors provide guidance and counseling in social/emotional, educational, and career development at the elementary, middle, and high school levels. Student Assistance Counselors (SACs) at the middle and high school level provide counseling to students who are at risk or affected by substance abuse.

**Mission Statement:** The Perth Amboy School District Counseling and Related Services Program maximizes and supports student achievement through a comprehensive and developmentally appropriate program that addresses the academic, career, and personal/social growth of all students. In partnership with students, staff, parents/guardians, and the community, school counselors assist all students to develop the skills and competences needed for college and career readiness and success in a global society.

The table below lists the names and phone number extensions of the school counselors, SACs, and non-traditional school psychologists. The students are assigned to a counselor at the Main Campus according to their last name. To contact a counselor, SACs, or non-traditional school psychologists, dial the phone number to the main line first, (732) 376-6030, followed by the extension number listed on the table.

Counselor	Main Campus (Student Last Name)		Extension
Ms. Caboy	A-CAL		23429
Mr. Cano	GON-JE	E-L (BE Level 1 & 2)	23421
Ms. Gimenez	EST-GOM	A-D (BE Level 1 & 2)	23433
Mr. Hernandez	MOR-PEN	M-ROD (BE Level 1 & 2)	23442
Ms. Laffey	JI-MOO		23443
Ms. Malave	ROJ-ST	ROJ-Z (BE Level 1 & 2)	23431
Ms. McMorrow	CAM-ESP		23479
Ms. Otterbine	PER-ROD		23426
Ms. Zaretsky	SU-Z		23430
<b>Personalized Learning Program</b>			
Mr. Towns	All		31430
<b>Freshman Academy</b>			
Ms. Cajas	South Campus		37421
Ms. Nunez	South Campus		37423
Ms. Santos-Stagliano	East Campus		36420
<b>Student Assistance Counselors</b>			
Mr. Gonsalves	Main Campus		23432
Ms. Roman-Marcano	PLP		31452

Mr. Caughey	Freshman Academy	37422
<b>Non-Traditional School Psychologists</b>		
Dr. Nwigwe	Main	23458
Vacancy	PLP	31451

The table below provides a breakdown of the 130 credits required for graduation by course. A tracking worksheet is provided for students and parents at the end of this document in Appendix A.

**Total Graduation Credits Required: 130**

Course	Years Required	Number of Credits
English/ESL	4	20
Mathematics	3	15
Social Studies	3	15
Science	3	15
World Language	2	10
Physical Education/Health	4	16
Visual and Performing Arts	1	5
21st Century Life and Career Education	1	5
Financial Literacy	½ year	2.5
Additional Credits Needed	N/A	26.5

# **High School Graduation Assessment Requirements**

*Updated July 2023: Classes of 2023–2025*

P.L.2022, c.60 (ACS for A-3196/S-2349) requires the State Board of Education to administer the New Jersey Graduation Proficiency Assessment (NJGPA) as a field test for the class of 2023. There is no graduation assessment requirement for any student expected to graduate with the class of 2023. Students a part of the class of 2023 must still meet all the other State and local graduation requirements, including but not limited to credit, curriculum, and attendance requirements. The graduation assessment requirements for the classes of 2024 and 2025 remain in place and were adopted by the New Jersey State Board of Education on September 8, 2021.

## **English Language Arts and Literacy (ELA)**

If, after completing the New Jersey Graduation Proficiency Assessment in grade 11, students did not demonstrate proficiency by passing the ELA component, such students may access the following pathways:

- Second Pathway: By meeting the designated cut score on a substitute competency test such as the PSAT, SAT, ACT, or ACCUPLACER; or
- Third Pathway: By submitting, through the district, a student portfolio appeals to the New Jersey Department of Education.

## **Mathematics**

If, after completing the required New Jersey Graduation Proficiency Assessment in grade 11, students did not demonstrate proficiency by passing the mathematics component, such students may access the following pathways:

- Second Pathway: By meeting the designated cut score on a substitute competency test such as the PSAT, SAT, ACT, or ACCUPLACER; or
- Third Pathway: By submitting, through the district, a student portfolio appeals to the New Jersey Department of Education.

## **Grading Scale**

Weighted grade point average or GPA is based on a scale of 0 through 4.3. To account for added rigor, honors courses are given a weight of 0.5 and Advanced Placement (AP) courses a full 1-point differential.

<b>Letter Grade</b>	<b>Numerical Equivalent</b>	<b>Unweighted GPA Equivalent</b>	<b>Weighted Honors GPA Equivalent</b>	<b>Weighted AP GPA Equivalent</b>
A+	98-100	4.3	4.8	5.3
A	95-97	4.0	4.5	5.0
A-	90-94	3.7	4.2	4.7
B+	87-89	3.3	3.8	4.3
B	84-86	3.0	3.5	4.0
B-	80-83	2.7	3.2	3.7
C+	77-79	2.3	2.8	3.3
C	74-76	2.0	2.5	3.0
C-	70-73	1.7	2.2	2.7
D	65-69	1.0	1.5	2.0
F	Below 65	0	0	0

## **Class Rank**

Class rank is based on the student's weighted Grade Point Average (GPA). This average is obtained by multiplying the final average for a course by the credit value of the course. These products are added then divided by the total number of credits attempted. All courses (academic and nonacademic, passed or failed), in grades nine through twelve are included in the GPA calculation. When a student repeats a course because of a failure, both grades are recorded. All students are ranked with their own grade level according to GPA. Students that transfer must earn at least 60 credits from Perth Amboy High School to be ranked with their graduating class.

## **College Preparation**

Each college has its own admissions requirements regarding high school courses. Beyond specific course requirements, most colleges emphasize the following key factors when making admissions decisions:

- four-year academic record.
- scores on college entrance exams.
- extracurricular participation and leadership.
- letters of recommendation.
- essays when required.
- interview when required.

## **Special Education and Related Services**

Students with disabilities must meet all state graduation requirements, with modifications and accommodations to the curriculum and/or testing procedures, unless exempted as provided for in NJAC 6A:14. The Special Education Program ensures full educational opportunity is provided to all students with disabilities to assist students in establishing and achieving their post-secondary goals. This is accomplished through a range of special education programs offered. Specialized curricula are provided to students with disabilities who need more transition services beyond the general education coursework.

To the maximum extent possible, students with disabilities are educated in the least restrictive environment. Special education programs and related services are provided based on a student's unique academic and behavioral needs in accordance with the Individualized Education Program (IEP). To ensure that appropriate programs and services are provided and that students have the resources they need following graduation, the Child Study Team (CST) proposes that evaluations are conducted every three years.

## **Bilingual Education**

The Bilingual and ESL (English as a Second Language) Program follows all regulations and procedures required by Title III of the Every Student Succeeds Act (ESSA) and by the NJ Department of Education. The Bilingual Education and ESL Program is a full-time program of instruction in all the subjects, which a student is required by law or rule to receive, given in Spanish and in English depending on the student's level of English Language Proficiency. The curriculum for the Bilingual Program parallels the general program curriculum in all content areas, including Mathematics, Science, Social Studies, Health and Physical Education. Students are placed and grouped according to their grade and English proficiency level in English as a Second Language (ESL). Multilingual Learners (MLs) must meet all graduation requirements.

## **College Admissions Testing Information**

### **Preliminary Scholastic Aptitude Test (PSAT) 8/9 & PSAT/National Merit Scholarship Qualifying Test (NMSQT)**

These tests will help students and teachers assess student academic needs and determine areas of focus to ensure college and career readiness. They will also give the student the opportunity to preview the SAT and PSAT/NMSQT by testing the same skills and knowledge and can connect students to AP Courses. The PSAT/NMSQT exams are given in October and are required for all sophomores and juniors. Scores on the PSAT/NMSQT are used by the National Merit Scholarship Corporation to identify highly qualified juniors for recognition and awards. PSAT grade 9 (PSAT9) exams are offered to eligible students enrolled in the Freshman Academy. These exams are free for Perth Amboy students and will be administered in school.

### **Scholastic Aptitude Test (SAT)**

This exam is a three- and one-half-hour test, divided into two sections that measure Mathematical, Evidence-Based Reading, and Writing abilities. The score ranges from 200-800 for each section. Students should plan to take the SAT for the first time in the spring of their junior year and consult their school counselors to determine the number of times the test should be taken. Students should consult [www.collegeboard.com](http://www.collegeboard.com) for registration information. Fee waivers for students who receive free/reduced lunch are available in the School Counseling Office.

### **American College Testing (ACT)**

This exam is given on select Saturdays as an alternative to the SAT Reasoning Test. The test can be taken during the student's junior and/or senior years. The ACT is divided into four parts: Math, English, Science Reasoning, and Reading. While optional, the Writing section is strongly recommended for the purpose of college admissions. The student will receive a composite score from 1-36. Students with a solid course background may take the ACT as an alternative or in addition to the SAT Reasoning Test. Students should consult [www.act.org](http://www.act.org) for registration information. Fee waivers for students who receive free/reduced lunch are available in the School Counseling Office.

### **National Collegiate Athletic Association (NCAA) Eligibility Center**

The NCAA core values are:

- to help students keep a good balance between sports, education, and social life.
- to maintain the highest levels of integrity and sportsmanship.
- to help students achieve excellence in both sports and academics.
- to ensure student athletes from all backgrounds have opportunities to participate.

### **Websites:**

[www.collegeboard.org](http://www.collegeboard.org)

[www.actstudent.org](http://www.actstudent.org)

[www.ncaa.org](http://www.ncaa.org)

[www.ets.org/toefl](http://www.ets.org/toefl)

[www.official-asvab.com](http://www.official-asvab.com)

## **Course Selection and Scheduling**

Perth Amboy High School Main, East, and South Campus has a nine-period day. Perth Amboy High School PLP (Personalized Learning Program) has a seven-period day. Credits for courses at PLP may be adjusted to align with semester-based scheduling. The Board of Education reserves the right to offer or not offer courses depending upon enrollment and other conditions. The course selection process will occur early in the second half of the year. Each of our departments will offer opportunities for students to learn about their prospective courses. Students are encouraged to discuss the specifics of courses with teachers and school counselors.

### **DEFINITION OF COURSE LEVELS**

**Advanced Placement (AP)** – These courses follow a curriculum designed by the College Board that reflects a level of rigor like that of a first-year college class. Students of remarkably high academic ability and motivation are recommended by teachers or counselors. Students enrolled in the Honors and/or college level courses typically make a natural progression to the Advanced Placement offerings. AP courses are designed to prepare students for the AP exam in that subject, given each May. Students who score well on AP exams (3 or better out of 5) may be granted college credit or placement consideration, depending upon the institution.

**Dual Enrollment** – Through specific college partnerships, Perth Amboy High School students may take courses toward graduation that will also earn them college credits. Interested students should discuss the specifics with their school counselor.

**Honors** – Students scheduled into honors courses are consistently high achievers. These classes are fast-paced and more academically challenging than general course offerings.

**College Preparatory (CP)** – College preparatory subjects are standard high school courses and are available in English and Mathematics. College preparatory adds to the rigor of general education for students who demonstrate a higher aptitude.

**General Education** – General level classes follow a standards-based curriculum and are designed to ensure these students will learn commensurate with their abilities and make progress towards graduation.

**Independent Study** – Independent study classes follow a standards-based curriculum where students complete assignments at their own pace and work independently while periodically checking in with assigned teachers.

**Credit Recovery** – Credit recovery courses are designed for students to retake a class they have previously failed to earn credits toward graduation.

**Criteria for Honors, AP, and Dual Enrollment Courses** - The following entrance requirements apply to honors and AP level courses at Perth Amboy High School.

Entrance requirements for honors, Advanced Placement and Dual Enrollment courses include, but are not limited to:

- cumulative overall average of a B (84% - 86%) or higher.
- cumulative average of B (84% - 86%) or higher in the requested subject.
- recommendation from the current teacher in the requested subject.
- acceptable scores on standardized and/or placement tests.
- departmental recommendation.

## Scheduling Process

Please be sure to carefully note required course offerings, elective course offerings, prerequisites, and grade levels for each course. Carefully read all course descriptions before making selections. The course selection process involves students, parents, faculty, counselors, and administrators. Our primary interest is for each student to advance towards reaching his/her educational and/or career goals.

There are a few steps in this procedure, some of which include:

- completion of recommendation process for AP/Honors and Dual Enrollment courses.
- individual meetings with counselors and students to review and assess each student's program, academic progress, and secondary plan to choose appropriate courses.
- parental input in the selection of each student's selection of courses.

## Schedule Changes

The following procedures **must be adhered** to when adding or dropping courses:

- Acceptable considerations for schedule changes:
  - a. an error in the scheduling process
  - b. assignment to a teacher in whose class student previously failed
  - c. a request in course level changes
  - d. administrative removal for safety of student or staff
  - e. any other reason deemed necessary by the school
- Unacceptable reasons for schedule changes:
  - a. social reasons
  - b. lunch period preference
  - c. personality conflicts
  - d. start time preference
  - e. teacher preference
  - f. any other reason deemed unnecessary by the school
- After the start of the school year, schedules may not be changed, or courses may not be dropped unless careful review is completed by the counselor. Changing a schedule or dropping a course is considered a last resort after all other measures to remediate the problem have proven unsuccessful. The final approval for a change must come from the principal.
- A "Drop/Add" period will begin the second full week of the school year and will last for ten school days. During this period students may discuss and request schedule changes with their counselors.
- Level changes: A student may change the level of an academic class during the school year; however, this change cannot take place until after the first progress report has ended and must be approved by an instructional leader or administrator.
- All procedures and steps as outlined on the "Course Change Form" must be followed. The "Course Change Forms" can be provided by the Office of School Counseling and Related Services.

## Available Programs

All 9<sup>th</sup> grade students at Perth Amboy High School are enrolled in the Freshman Academy, which provides small learning communities for students to receive high levels of support and enrichment opportunities that will help them transition smoothly into the high school setting. Upon completion of freshman year, sophomores can enter one of four available programs at the high school's Main Campus. Applications are required for entrance into the Communications Academy and the Health and Sciences Academy.



### **Comprehensive High School**

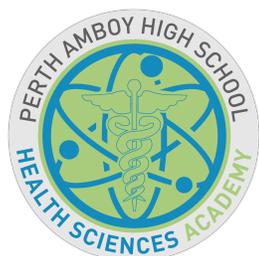
The Comprehensive High School provides a rigorous college preparatory curriculum across all subject areas providing students a wide range of choices in electives and course offerings. Students enrolled in the Comprehensive High School can take courses across all disciplines while fulfilling the NJ State Graduation Requirements.



### **Communications Academy**

In the Communications Academy, students will learn the foundational principles of communications, including communication process, perception, verbal, and nonverbal communication and how to apply these principles in various contexts. Students will learn through participation in project-based courses and relevant experiences in the communications field. Students enrolled in this academy can choose between the Communications, Information, and

Media Track and the International Communications/Community Relations Track.



### **Health Sciences Academy**

Students enrolled in the Health Sciences Academy will be introduced to many careers in the health and medical industry. Students will learn skills that will put them on the path to further study in 2-year or 4-year college programs or employment in the medical field after graduating from high school. Students enrolled in this Academy can choose between the Medical Sciences Track and the Sports Medicine and Health Services Track.

## PAHS - Communications Academy

The Communications Academy is a career-focused learning academy that seeks to develop students' skills to clearly communicate in college and career situations across varied major courses of studies and careers in many industries. The academy builds upon the students' interest in broadcasting and journalism, design and visual arts, audio/video production, and international and community relations to better prepare them for their post-secondary education.

Goals of this academy include to:

- offer students a unique and specialized program that will develop students' skills to clearly communicate in many college and career situations across varied major courses of study and careers in many industries.
- help students develop an understanding of various communication, journalism, and media studies careers.
- ensure that students can express themselves fluently and produce content across varied media platforms.
- develop leaders in the news media, social networking, and technology, so Perth Amboy students are at the forefront of emerging communications trends.
- engage students in issues pertaining to their own community and provide students with the tools necessary to effectively advocate on behalf of themselves and others.
- provide students with service-learning opportunities.

Students enrolled in this academy will be able to choose between the following areas of study:

- **Multimedia Production:** Students in this area can pursue a career as a graphic designer, broadcaster, editor, cinematographer, or animator.
- **International Communications/Community Relations:** Students in this area can pursue a career in foreign service, advertising/marketing, public relations, diplomacy, or translation services.

All interested students are invited to apply for admission to the September 2024 Communications Academy. Applications will be available in January, and they will be considered in February. For more information about the Academy, students and families should contact Ms. Lindsey Tisch, Supervisor of Educational Technology, Media, and Career & Technical Education (CTE) at [lindtisch@paps.net](mailto:lindtisch@paps.net).



## Communications Academy

Classes listed below are offered for students only enrolled in the Communications Academy.

### Foundations of Production & Design

**Grade 10** **2.5 Credits**

In this half-year course, students develop skills in pre-production. Students will learn how to construct a story for filmmaking, how to prepare a script for television and radio, and how to design graphics for the web and print. These foundational skills will prepare students for their academic career in the Communications Academy.

### Introduction to Communications

**Grade 10** **2.5** **Credits**

This course provides an overview of the basic concepts of communication and the skills necessary to communicate in various contexts. This class will emphasize formal and informal communication techniques used in interpersonal groups, public, intercultural, and mass communication situations. It also will review the history of communications and its impact on American Culture through a survey of film, radio, T.V., and internet resources.

### International Diplomacy (*Dual Enrollment*)

**Grade 11** **5** **Credits**

*Exclusive to 2<sup>nd</sup> Year Communications Academy students*

This course will provide students with a framework for studying the complexities of international issues in the 21<sup>st</sup> century. By using a case study approach, this course enables students to deeply investigate how individuals, groups, and societies make decisions and act in response to complex, global issues. By studying multiple perspectives, students will have the opportunity to understand issues through in-depth inquiry, deliberation of their own positions, engagement with diverse sources of information and technologies, and collaborative and constructive problem-solving activities. Students will be expected to participate in regularly held discussions, debates, and simulations related to international relations.

### Journalism (*Dual Enrollment*)

**Grade 11** **5 Credits**

*Prerequisite: English I*

Journalism is an elective course in which students will study the craft of news stories and written claims. Students will examine the history of journalism and learn the appropriate terms associated with the field. In addition, students will understand and apply the steps involved in conducting interviews and gathering appropriate research for a variety of news stories. Students will also learn the various techniques reporters utilize when developing their stories and apply these techniques to their own stories. Throughout the course, students will effectively employ the writing process to develop original journalistic stories.

### Visual Design

**Grade 11** **5 Credits**

*Exclusive to 2<sup>nd</sup> Year Communications Academy students*

The Visual Design course will give students the ability to communicate ideas and stories through traditional and digital art media. Through Project Based Learning, students will analyze the different genres of visual storytelling and apply this knowledge by creating original graphic designs, still images, illustrations, and animations. This course will also promote skills needed for college and career, such as computer literacy, communication, storytelling, collaboration, and organization. This course will serve as a prerequisite for Advanced Design.

### Video Production

**Grade 11** **5 Credits**

*Exclusive to 2<sup>nd</sup> Year Communications Academy students*

The Video Production course in the Communications Academy focuses on more advanced levels of framing and composition, editing, studio and field production, scriptwriting, directing, live event production and film studies. Students use technology such as DSLR cameras, digital editing with Final Cut Pro, digital computer graphic software, portable lighting, and sound equipment to give them a full technology-based education. This course provides students with a variety of activities that will enable them to understand and appreciate the application and value of video technology and how we use these tools to communicate with an audience. Students will advance their knowledge of the 3 stages of production and the genres of videos. This course culminates in planning, creating, and presenting projects that make use of the techniques learned.

### **Advanced Design**

**Grade 12**

**5 Credits**

*Exclusive to 3rd Year Communications Academy students, Prerequisite: Visual Design*

The Advanced Design course in the Communications Academy explores the various movements that shaped today's design world. After studying the art of visual communication in years 1 and 2 of the Academy, students will conceptualize projects, process complex information, and motivate an audience through various design projects.

### **Advanced News Media Production**

**Grade 12**

**5 Credits**

*Exclusive to 3rd Year Communications Academy students, Prerequisite: Journalism*

This is a project-based/lab course with the main objective of producing The Panthers' Roar, the Perth Amboy High School Morning Show. In this class, students can further develop their skills with broadcast technology, journalism, digital storytelling, and media literacy. The course requirements are structured to meet individual class preferences whenever possible. Students work both individually and as a team to produce a variety of projects. Students will also be responsible for producing PATV Magazine monthly for the Perth Amboy Local Access Station. *\*This course is project-based and requires students to participate in projects after school and on weekends.*

### **Advanced Video Production (Dual Enrollment)**

**Grade 12**

**5 Credits**

*Exclusive to 3rd Year Communications Academy Students, Prerequisite: Video Production*

The Advanced Video Production course in the Communications Academy focuses on the study of multiple genres of film and their use of different cinematic techniques; the way filmmakers use these techniques to communicate a story. Students will further develop their production skills learned on the Video Production course to complete a short film of their choice.

### **Strategic Communications (Dual Enrollment)**

**Grade 12**

**5 Credits**

*Exclusive to 3rd Year Communications Academy Students, Prerequisite: International Diplomacy*

This course builds on and extends the knowledge of international relations and communication acquired in International Diplomacy. Undergirded by a respect for cultural diversity and a focus on developing story-telling skills, this course encourages students to engage in advanced study of "public" diplomacy: communication oriented toward building public awareness and support for causes such as human rights, immigration, or the environment. It also examines how social activists use media technologies to organize themselves and communicate their messages to wide audiences to achieve social change.

## PAHS – Health Sciences Academy

Students enrolled in the Health Sciences Academy will be introduced to many careers in the health and medical industry. Students will learn skills that will put them on the path to further study in 2-year or 4-year college programs or employment in the medical field after graduating from high school.

Goals of the Health Sciences Academy include to:

- provide students with the foundational knowledge related to the health and medical field, including career options and skill-based learning.
- apply health and medical topics to their learning in all content areas.
- offer dual-enrollment courses where students build a college resume, while earning High School credits for graduation.
- gain experience by applying their course learning in authentic medical settings in the community.
- provide opportunities for students to earn medical certifications that enrich a college or employment resume.

Students enrolled in this Academy will be able to choose between the following areas of study:

- **Medical Sciences:** Students in this area can pursue a medical career in a traditional setting, such as a medical office or hospital. Future career options could include doctor, nurse, medical assistant, emergency medical technician, medical biller/coder, medical translator, or medical transcriptionist.
- **Sports Medicine & Health Services:** Students in this area can pursue a career in the many supporting areas of medical study that involves patient care. Future career options could include physical therapist, occupational therapist, dietician, athletic trainer, personal trainer, pharmacy technician, medication aide, radiologic technician, or home health aide.

All interested students are invited to apply for admission to the September 2024 Health Sciences Academy. Applications will be available during the winter months, and they will be reviewed by early spring. For more information about the Academy, students and families should contact Ms. Jinny Dejesus, Supervisor of Science, at [jindejesus@paps.net](mailto:jindejesus@paps.net) or Mr. Sean Bullock, Supervisor of Health and Physical Education, at [sbullock@paps.net](mailto:sbullock@paps.net).



PERTH AMBOY HIGH SCHOOL  
**HEALTH  
SCIENCES  
ACADEMY**

## Health Sciences Academy

Classes listed below are offered for students enrolled in the Health Sciences Academy.

**Dynamics of Healthcare (Dual Enrollment)**  
**Grade 10 5 Credits**

*Prerequisite: Acceptance to Health Sciences Academy. This course should be taken concurrently with Biology.*

*Dual Enrollment Prerequisite: Acceptance to Health Sciences Academy and successful completion of Algebra I*

This course provides an orientation to health care services and their delivery. In addition to learning about various health careers, this course includes historical and current trends in healthcare and legal and ethical considerations. Students also learn basic skills related to patient diagnosis and treatment. Students begin to develop the professional competence of healthcare providers and become informed consumers. This course is a required sophomore course for students enrolled in the Health Sciences Academy and a possible dual-enrollment course.

**Anatomy & Physiology I (Dual Enrollment)**  
**Grade 11 5 credits**

*Prerequisites: Dynamics of HealthCare*

*Dual Enrollment Prerequisite: Successful completion of Dual Enrollment Dynamics of Healthcare and Biology*

Anatomy and Physiology is the study of the structure and function of the human body. This course follows a sequential development of the major body systems in an organized and structured curriculum. The course is designed to give the students a selective overview of human anatomical structure and an analysis of human physiological principles. It focuses on the following body systems: integumentary, skeletal, muscular, nervous, and special senses. This course is the required junior semester course for students enrolled in the Medical Sciences track of the Health Sciences Academy and a possible dual-enrollment course.

**Anatomy & Physiology II (Dual Enrollment)**  
**Grades 11-12 5 Credits**

*Prerequisites: Anatomy & Physiology I*

*Dual Enrollment Prerequisite: Successful completion of Dual Enrollment Anatomy & Physiology I and Biology*

This course allows further exploration of the structure and function of the human body. Following a sequential development of the major body systems in an organized and structured curriculum, the course is designed to give students an overview of human anatomical structure and an analysis of human physiological principles. It focuses on the following body systems: endocrine, lymphatic, blood, cardiovascular, respiratory, digestive, urinary, and reproductive systems. This course is an elective semester course for students enrolled in the Medical Sciences track of the Health Sciences Academy and a possible dual-enrollment course.

**Public Health**  
**Grades 11-12 5 Credits**

*Prerequisite: Dynamics of Healthcare*

Public health involves protecting and improving the health of people and their communities. Public health professionals try to prevent health problems from happening by implementing educational programs, recommending policies, administering services, and conducting research. This course focuses on analyzing current health topics that affect various populations throughout the world. Example topics include addiction, infectious disease, mental health, obesity, and nutrition. This course is an elective semester course for students enrolled in the Health Sciences Academy.

**Sports  
Grade 11**

**5 Credits**

**Medicine**

**I**

*Prerequisite: Dynamics of Healthcare*

This course provides a general overview of athletic training, sports medicine, and its history. It extends topics from Dynamics of Healthcare and applies them to managing sports injuries. It includes the concept of sports injury, the sports health care team, laws of sport injury, injury prevention, psychology of sport injury, and sports nutrition. It is a required junior course for students enrolled in the Sports Medicine track of the Health Sciences Academy.

**Functional  
Grade 11**

**Anatomy  
5 Credits**

**&**

**Physiology**

*Co-requisite: Sports Medicine I*

Functional Anatomy & Physiology discusses types of body tissue, skeletal system, muscular system, and the nervous system, and how they relate to fundamental anatomical analysis of human movement and performance outcomes. This course is a required junior course for students enrolled in the Sports Medicine track of the Health Sciences Academy.

**Medical Terminology (Dual Enrollment)**

**Grade 12**

**5 Credits**

*Prerequisites: Dynamics of HealthCare*

*Dual Enrollment Prerequisite: Successful completion of Dual Enrollment Anatomy & Physiology II*

Medical Terminology employs a clinical, real world setting as the students acquire the medical terminology that pertains to body systems, anatomy, physiology, medical processes and procedures and a variety of diseases. It provides specialized language for the healthcare team, enabling healthcare workers to communicate in an accurate, articulate, and concise manner. The course includes terms related to anatomy of the human body, functions of health and disease, and the use of language in processing medical/dental records and claim forms.

**Sports Medicine II**

**Grade 12**

**5 Credits**

*Prerequisite: Dynamics of Healthcare, Sports Medicine I*

This course will continue the exploration of athletic training, sports medicine, and its history. It extends topics from Sports Medicine I and applies them to managing sports injuries. It includes the concept of injuries to the head, neck, and face, thoracic through coccygeal spine, shoulder area, arm, wrist and hand, thorax and abdomen, hip and pelvis, thigh, leg and knee, lower leg, ankle and foot, skin conditions in sports, thermal injuries, and other medical concerns regarding the adolescent athlete. It is a required senior course for students enrolled in the Sports Medicine track of the Health Sciences Academy.

**EMR Certification**

**Grade 12**

**5 Credits**

*Prerequisite: Dynamics of Healthcare, Anatomy & Physiology I*

The Emergency Medical Responder (EMR) course prepares the EMR student to provide prehospital assessment and care for patients of all ages with various medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles, and responsibilities of EMRs, anatomy and physiology, medical emergencies, trauma, and special considerations for working in the prehospital setting.

## **Scientific Principles of Nutrition**

**Grade 12**

**5 Credits**

*Prerequisite: Dynamics of Healthcare, Functional Anatomy, and Sports Medicine I*

This course explores the foundational concepts of nutrition, functions of nutrients, human nutritional requirements, and food sources. Students will learn about evaluating nutritional information, creating nutritional plans, and food safety. Students will also investigate the role of nutrition in chronic disease, public policy, and the environment.

## **Certified Personal Trainer Certification**

**Grade 12**

**5 Credits**

*Prerequisite: Dynamics of Healthcare, Functional Anatomy, and Sports Medicine I*

The goal of the Certified Personal Trainer course is to provide students with the skills necessary for a career as a personal trainer and serve as a foundation for a continuing career in health and sports. This course will work through units mirroring the certification exam and progresses from an introduction of Anatomy and Biomechanics through Nutrition, Weight management, Exercise Prescription, and Training Instruction, and culminates with Exercise Programming for Special Population.

## English Department

### Core English Classes

#### English I CP

Grade 9

5 Credits

English I College Prep (CP) is a full-year, five-credit course offered in the first year of high school that is designed to introduce freshman students to different genres in literature (novels, plays, poetry and memoirs) and nonfiction that will foster critical thinking and analytical skills. Students will delve deeply into texts and analyze them for diction, tone, style, and other literary devices. Furthermore, students will develop more scholarly compositional skills and effectively apply their knowledge in the conventions of English to improve their own writing as well as that of their peers.

#### English I Honors

Grade 9

5 Credits

*Prerequisite: Refer to Honors and AP course criteria*

English I Honors adds to the rigor of English I CP by enhancing the development of communication skills, including grammar, research, presentations, composition, and vocabulary. This coursework will be undertaken with the understanding that students manage difficult course material, engage in higher-level thinking, and discuss ideas at length to form connections among literary pieces between academic disciplines. Excellent time-management, organization and study skills are vital to the student's success in Honors classes.

#### English II CP

Grade 10

5 Credits

*Prerequisite: Any level of English I*

English II CP is a full-year, five-credit course offered in the second year of high school. This course will expand on the skills students obtained the previous year through an exploration of literature from American, British and world authors. Through the genres of short stories, poetry, novels, plays, speeches, multi-media productions and essays, students will explore various themes and content. Higher-level thinking skills will be emphasized through interdisciplinary and critical perspectives as reflected in the quality of student performance in oral language, written language, and other media/technology. Students will engage in close reading of both fiction and nonfiction texts and be able to effectively synthesize information from the various texts to support their opinions in several types of writing.

#### English II Honors

Grade 10

5 Credits

*Prerequisite: Any level of English I (refer to Honors and AP course criteria)*

English II Honors adds to the rigor of English II CP by enhancing the development of communication skills, including grammar, research, presentations, composition, and vocabulary. This coursework will be undertaken with the understanding that students manage difficult course material, engage in higher-level thinking, and discuss ideas at length to form connections among literary pieces between academic disciplines. Excellent time-management, organization, and study skills are vital to the student's success in honors classes.

### **English III CP**

**Grade 11**

**5 Credits**

*Prerequisite: Any level of English I and English II*

English III CP is a full-year, five-credit course offered in the third year of high school that is designed to expose students to various genres of American literature, while still exploring British and world authors. This course will expand on the skills derived from previous years. Through the genres of short stories, poetry, novels, plays, speeches, multi-media productions and essays, students will explore various themes and content. In addition, students will engage in close reading of both fiction and nonfiction texts and be able to effectively synthesize information from various texts to support their opinions in diverse types of writing. Students will expand upon their vocabulary and grammatical skills to improve their maturity level of written expression.

### **English III Honors**

**Grade 11**

**5 Credits**

*Prerequisite: Any level of English I and II (refer to Honors and AP course criteria)*

English III Honors adds to the rigor of English III CP by enhancing the development of communication skills, including grammar, research, presentations, composition, and vocabulary. This coursework will be undertaken with the understanding that students manage difficult course material, engage in higher-level thinking, and discuss ideas at length to form connections among literary pieces between academic disciplines. Excellent time-management, organization and study skills are vital to the student's success in honors classes.

### **English IV CP**

**Grade 12**

**5 Credits**

*Prerequisite: Any level of English I, II, and III. AP Literature and Composition or AP Language and Composition may replace English III.*

English IV CP is a full-year, five-credit course offered in the fourth year of high school. This course will expand on the skills students obtained the previous years through an exploration of literature from American, British and world authors. Through the genres of short stories, poetry, novels, plays, speeches, multi-media productions, and essays, students will explore various themes and content. Students will engage in close reading of both fiction and nonfiction texts and be able to effectively synthesize information from the various texts to support their opinions in several types of writing that prepares them to transition to post-secondary educational programs.

### **English IV Honors**

**Grade 12**

**5 Credits**

*Prerequisite: Any level of English I, II, III. AP Literature and Composition or AP Language and Composition may replace English III (refer to Honors and AP course criteria)*

English IV Honors adds to the rigor of English IV CP by enhancing the development of communication skills, including grammar, research, composition, and vocabulary. This coursework will be undertaken with the understanding that students manage difficult course material, engage in higher-level thinking, and discuss ideas at length to form connections among literary pieces between academic disciplines. Excellent time-management, organization and study skills are vital to the student's success in honors classes.

## **AP Literature and Composition**

**Grades 11-12**

**5 Credits**

*Prerequisite: Any level of English I and II (refer to Honors and AP course criteria)*

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as the author's use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. This is a college-level course and is graded using the College Board approved rubric and grading scale.

## **AP Language and Composition**

**Grades 11-12**

**5 Credits**

*Prerequisite: Any level of English I, II and III. AP Literature and Composition may replace English III (refer to Honors and AP course criteria)*

The AP Language and Composition course is designed to help students with the skills they need to read, write, and think at the college level. The course is organized thematically. Students will “explore the complexities of a single issue and synthesize the different viewpoints represented.” Each interesting and relevant theme is centered on an essential question that engages students to begin thinking critically. Students will learn to read and analyze nonfiction and visual texts for rhetorical concepts, diction, and syntax. Students will learn to effectively utilize the writing process to develop multi-drafted essays that demonstrate their ability to analyze and synthesize information from a variety of thematic resources to make a solid final product.

## **English Electives**

### **Young Adult Literature I**

**Grades 9**

**5 Credits**

*Prerequisite: Teacher recommendation*

Young Adult Literature I is a survey class focusing on building literary analysis skills using high-quality Young Adult Literature (YA). These realistic texts are written for teenagers and are relevant to the experiences of high school students. The genres of fantasy, autobiography, historical fiction, realistic fiction, and fan fiction will be explored. In addition to genres, students will also become familiar with young adult literature authors, popular banned books, social movements, and literature adapted for the movies.

### **Young Adult Literature II**

**Grade 10**

**5 Credits**

*Prerequisite: English I and teacher recommendation*

Young Adult Literature II is a class that focuses on strengthening literary analysis skills and reading strategies using Young Adult Literature (YA). Literature studied in this class has characters, themes, and conflicts that all high school students will find relatable. The genres of mystery, adventure, sports, humor, and YA I will be explored. By the end of this course, students will build an appreciation for reading and the skills to navigate more complex text.

### **Creative Writing**

**Grades 10-12**

**2.5 Credits**

*Prerequisite: Any level of English I*

Creative Writing is an elective course designed to let students use creative abilities with language skills to develop original poetry and prose. Students will also examine and analyze examples of poetry and prose to increase their understanding of creative writing skills and techniques. Students enrolled in this course must write in a variety of genres and demonstrate a facility for giving and receiving constructive criticism. In addition, students will develop strategies for brainstorming, organizing their thoughts, and transferring them into clear, polished creative and analytical writing.

### **Journalism**

**Grades 10-12**

**5 Credits**

*Prerequisite: Any level of English I*

Journalism is an elective course in which students will study the craft of news stories and written claims. Students will examine the history of journalism and learn the appropriate terms associated with the field. In addition, students will understand and apply the steps involved in conducting interviews and gathering appropriate research for a variety of news stories. Students will also learn the various techniques reporters utilize when developing their stories and apply these techniques to their own stories. Throughout the course, students will effectively employ the writing process to develop original journalistic stories.

### **Mythology**

**Grades 10-12**

**2.5 Credits**

*Prerequisite: Any level of English I*

Mythology is an elective course that is offered through the English department. This course includes a survey of the major myths of Greek and Roman antiquity, including the appropriate gods, heroes, and heroines, and how these stories reflect the culture and beliefs of the time. Students will compare classical myths with those from other cultures such as African, Native American, Asian, and Norse. Through the study of themes, students will examine the nature and social function of mythology, and how mythology has helped to shape modern religious beliefs.

### **Public Speaking**

**Grades 9-12**

**2.5 Credits**

The ability to effectively communicate well with others is one of the most important traits employers look for in their employees. Public speaking is an elective course that provides students with the basics needed in a variety of public and daily interactions. Students will understand the fundamentals of effective verbal and non-verbal communication. They will learn the essentials in developing and delivering speeches. They will understand how important it is to effectively listen and evaluate speakers for more than their messages. Finally, students will gain confidence in the delivery of them and the topic they are presenting.

### **Science Fiction**

**Grades 10-12**

**2.5 Credits**

*Prerequisite: Any level of English I*

Science fiction represents a blend of science, social science, and arts. It frequently draws inspiration from science and addresses the social issues relevant today by highlighting certain social aspects. Science fiction also serves to popularize science and affects public opinion about scientific, technological, moral, and ethical issues. In this elective, students will read, discuss, and evaluate authors' commentaries on society through a careful contemplation of the themes explored in the texts. Additionally, students study how science fiction authors use dialogue, point of view, tone, perspective, and proper conventions of fictional writing. Students discuss topics within texts such as artificial intelligence, utopian/dystopian societies, space travel, invasions of planet Earth, life in the future, alternate realities, rapidly evolving computer technology, and a shift in nature.

### **College Reading and Writing Investigations**

**Grade 9**

**5 Credits**

College Reading and Writing Investigations is designed to help balance students' personal voice in various modes of discourse such as narratives, arguments, critical essays, short stories, research synthesis and literary analysis. The skills from English I CP are reinforced through inquiry, applied research, book clubs, literature circles and Socratic Seminars.

**College Research and Writing****Grades 10 - 12****5 Credits*****Prerequisite: Any level of English I***

College Research & Writing is a full-year, 5-credit, liberal arts elective course. Students enrolled in this course will be exposed to critical reading and writing with the intention to better prepare students who will be entering college with the skills necessary to be successful. The course will expose students to a variety of rhetorical approaches to enhance the students' writing. A special emphasis on adequate notetaking, close reading, applicable research, and oral presentation skills is done within this course beyond the required English class.

**Test Skills****Grade 12****2.5 Credits*****Prerequisite: Counselor recommendation***

This course will provide a thorough preparation for testing in both English and mathematics content areas. It will cover content and skills needed to be successful on standardized tests that fulfill the New Jersey testing graduation requirement. Students will deconstruct the test to learn to think like a test maker. Students will build skills each week to increase their confidence throughout the course. This test preparation is further documented in a portfolio that demonstrates the achievement of both math and English skills.



# English Language Arts

## Typical Course Sequences

Grade 9	Grade 10	Grade 11	Grade 12
English I CP	English II CP	English III CP	English IV CP
English I Honors	English II Honors	English III Honors	English IV Honors
		AP Literature & Composition	AP Language & Composition
			AP Literature & Composition

*Students can move from College Prep to Honors and/or AP class if they meet the criteria set by the district.*

# English Electives

College Reading and Writing Investigation	College Research & Writing	Journalism	Creative Writing
Mythology	Science Fiction	Public Speaking	Young Adult Literature I & II

<b>Key:</b>	No Prerequisite	Prerequisite	Honors	Advanced Placement
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## Bilingual, ESL, and World Language Department

### English as a Second Language (ESL) Classes

#### ESL Level I

Grades 9-12

10 Credits

The focus of English as a Second Language (ESL) is to develop and provide support in communicative and academic English Language Proficiency. ESL is guided by the mandated English Language Development Standards (ELD) for effective pedagogy. The ESL level 1 course will focus on oral language development. ESL level 1 course includes content area vocabulary, academic language, and concepts related to the curriculum. The ESL Level 1 course there will continue to reinforce phonemic awareness of the sounds of English and pronunciation practice.

#### ESL Level II

Grades 9-12

10 Credits

ESL Level 2 will continue to reinforce phonemic awareness of the sounds of English and pronunciation practice. The development of academic vocabulary and concepts related to the curriculum will increase as Level 2 students approximate the language of native speakers. The focus of ESL is to provide continued support of the English Language.

#### ESL Level III

Grades 9-12

5 Credits

ESL Level 3 will continue to reinforce phonemic awareness of the sounds of English and pronunciation practice. Emphasis on vocabulary development and reading comprehension will be incorporated in this course. The development of academic vocabulary and concepts related to the curriculum will increase as Level 3 students approximate the language of native speakers.

#### ESL Level IV

Grades 9-12

5 Credits

The curriculum for ESL 4 is designed to assist English Language Learners in bridging and reaching proficiency in all four domains of the English Language: listening, speaking, reading, and writing as defined by the English Language Development Standards (ELD) performance standards. This course's main task is to facilitate and support student language achievement to reach level 5 (bridging) and level 6 (reaching) stages of second language acquisition.

#### Literacy Extensions for ELs

Grades 9 - 12

5 Credits

Literacy Extensions for ELs (English learners) is a full-year, 5-credit, elective that is paired with ESL level 3 and 4 to enhance each student's skills in reading and writing. With an emphasis on promoting student growth through individualized and small group instruction, the course is intended to prepare students to meet the rigorous demands of reading and writing in a variety of disciplines including English, social studies, science, and math.

*Note: ELs in levels I and II may take Spanish Literature I, and ELs in levels III and IV may take Spanish Literature II as a foreign language. This will facilitate exposure of Spanish novels read in general English Language Arts classes.*

## **New Jersey State Seal of Biliteracy**

The New Jersey State Seal of Biliteracy is an award given by the state in recognition of students that have studied and attained proficiency in English and an additional language.

As a leader in bilingual education, Perth Amboy High School proudly emphasizes not just English language acquisition, but true mastery in multiple languages. Among the PAHS graduating class of 2023, 299 students earned the NJ Seal of Biliteracy and their high school diplomas.



By satisfying the N.J. graduation requirement in English and achieving a proficient level on the STAMP-4S Exam, students can earn this nationally recognized award. Students earning the N.J. State Seal of Biliteracy will receive a certificate from the state and will have the seal represented on their final transcript.

## Mathematics Department

### Core Math Classes

#### Algebra IA

Grade 9

5 Credits

*Prerequisite: Placement determined by the Department of Mathematics*

Algebra IA is the first course of a two-course sequence in which students will receive instruction for Algebra I. Students will take Algebra IA during the first semester of 9th grade. Topics include functions and their graphs, algebraic concepts, solving and graphing linear and quadratic equations, inequalities and systems of equations and inequalities. Problem solving, calculator application and modeling, and emphasis on remediating foundational skills will increase student readiness for advanced Algebra I topics. *Students enrolled in this sequence must pass Algebra IB to satisfy the Algebra I graduation requirement.*

#### Algebra IB

Grade 9

5 Credits

*Prerequisite: Algebra IA*

Algebra IB is the second course of a two-course sequence in which students will receive instruction for Algebra I. Students will take Algebra IB during the second semester of 9th grade. Topics include functions and their graphs, algebraic concepts, solving and graphing systems of linear and quadratic equations, inequalities and systems of equations and inequalities, radical functions and their equations, rational functions and their equations, and statistics and probability. Problem solving, calculator application and modeling, and emphasis on remediating foundational skills will increase student readiness for advanced Algebra I topics. Students will take the NJSLA (New Jersey Student Learning Assessment) Algebra I test while enrolled in this course. *Students enrolled in this sequence must successfully complete Algebra IB to satisfy the Algebra I graduation requirement.*

#### Algebra I College Prep

Grades 9-10

5 Credits

Algebra I College Prep provides students with a solid foundation in algebra. Topics include simplifying expressions, solving equations, graphing, and writing equations of lines, operations on polynomials, exponents and radicals, factoring polynomials, linear and quadratic functions, statistics, and solving related word problems.

#### Algebra I Honors

Grade 9

5 Credits

*Prerequisite: Grade 8 Math (Refer to Honors and AP course criteria)*

Algebra I Honors is designed for students that excelled in 8th grade math. All students taking Algebra I Honors will be expected to demonstrate independent thinking, as they explore and solve in-depth problems related to the covered topics in their applications.

#### Geometry College Prep

Grades 10- 12

5 Credits

*Prerequisite: Algebra I or Algebra IB*

Geometry College Prep is designed to help students develop an understanding of geometric concepts, and an ability to apply them in a variety of situations. Students will use models, computer programs, and other visual aids to develop spatial visualization and solve problems involving algebraic skills. Using reasoning and critical thinking, students will reach conclusions in both mathematical and non-mathematical situations.

#### Geometry Honors

Grades 9-10

5 Credits

*Prerequisite: Algebra I or Algebra IB (refer to Honors and AP course criteria)*

Geometry Honors is designed for those students who have been exceptional in Algebra I. This course develops an understanding of geometry using basic properties, postulates, and theorems in the study of triangles, quadrilaterals, and congruence. Other topics include similarity, circles, area, volume, coordinate geometry, transformational geometry, and an introduction to trigonometric functions and their applications in the right triangle.

### **Algebra II College Prep**

**Grades 10-12**

**5 Credits**

*Prerequisite: Algebra I or Algebra IB, Geometry*

Algebra II College Prep is a continuation and extension of the concepts studied in Algebra I. This course reinforces both the arithmetic and algebraic skills with emphasis on problem solving. It also introduces and develops skills in polynomials, rational exponents, rational expressions, functions (linear, quadratic, exponential and logarithmic), and complex numbers. Students enrolled in this course will be expected to become highly knowledgeable of the functionalities of the TI-84 graphing calculator.

### **Algebra II Honors**

**Grades 9-12**

**5 Credits**

*Prerequisite: Algebra I or Algebra IB, Geometry (refer to Honors and AP course criteria)*

Algebra 2 Honors is designed for those students who have been exceptional in Algebra I and Geometry. In addition to the topics covered in Algebra I and Geometry, students will be expected to demonstrate independent thinking as they explore and solve in-depth problems related to those topics. Students enrolled in this course will be expected to become highly knowledgeable of the functionalities of the TI-84 graphing calculator.

### **Pre-Calculus**

**Grades 10-12**

**5 Credits**

*Prerequisite: Geometry and Algebra II*

Pre-Calculus provides an in-depth analysis of functions and their graphs, both algebraically and graphically. The emphasis of the course is on exponential, logarithmic and trigonometric functions, and the properties of arithmetic and geometric sequences. Students enrolled in this course will be expected to become highly knowledgeable of the functionalities of the TI-84 graphing calculator.

### **AP Pre-Calculus**

**Grades 10-12**

**5 Credits**

*Prerequisite: Geometry, Algebra II (refer to Honors and AP course criteria)*

Pre-Calculus Honors is designed for students who have been exceptional in Geometry and Algebra 2. In addition to the topics covered in Geometry and Algebra 2, students will be expected to demonstrate independent thinking as they explore and solve in-depth problems related to those topics. Students enrolled in this course will be expected to become highly knowledgeable of the functionalities of the TI-84 graphing calculator.

### **Calculus I Honors**

**Grades 11-12**

**5 Credits**

*Prerequisite: Pre-Calculus (refer to Honors and AP course criteria)*

Calculus I Honors introduces the student to the concepts and the principles of calculus. Emphasis is placed on the basic techniques and applications of differentiation and integration. Topics studied include limits and continuity, derivatives and their applications, the definite integral, differential equations and mathematical modeling, and applications of definite integrals. A TI-84 graphing calculator or equivalent is required.

### **AP Calculus AB**

**Grades 11-12**

**5 Credits**

*Prerequisite: Pre-Calculus (refer to Honors and AP course criteria)*

AP Calculus AB is a college-level mathematics course designed to challenge the talented, motivated math student. The course follows the AP curriculum published by the College Board. Topics include limits, continuity, derivatives, and

applications of the derivatives, integration techniques, slope fields, and elementary differential equations. A primary focus throughout the year is preparation for the AP exam. Sample tests supplied by the College Board are used as supplementary exercises to university; the student could be awarded college credit. A TI-84 graphing calculator or equivalent is required.

### **AP Calculus BC**

**Grades 11 - 12**

**5 Credits**

*Prerequisite: AP Calculus AB or Calculus I Honors (refer to Honors and AP course criteria)*

Calculus BC expands upon the curriculum of AP Calculus AB. This is an accelerated, rigorous, full-year course that strictly follows the course guidelines of the College Board. This course covers, in greater depth, the topics included in the standard calculus course. Additional topics to be studied include definite integrals, integration and differentiation of logarithmic and exponential functions, growth and decay with differential equations, and volumes of revolution. This course is designed to challenge and prepare high achieving math students for the Advanced Placement exam. A TI-84 graphing calculator or equivalent is required.

### **College Math**

**Grade 12**

**5 Credits**

*Prerequisite: Geometry and Algebra I*

College Math is designed to prepare seniors for entry-level college mathematics. The course focuses on an in-depth review of Algebra I and Geometry mathematical concepts. In addition, the study of trigonometric functions, logarithms, conics sections and probability will be introduced. The graphing calculator will be used to solve problems and interpret data.

## **Math Electives**

### **Introduction to Statistics**

**Grades 11 – 12**

**5 Credits**

*Prerequisite: Algebra I*

Introduction to Statistics is designed to give students insight into the use of statistical methods to describe and predict events in the world around them. Topics include graphical and numerical techniques to study patterns in data and departures from those patterns, methods, and techniques for planning an experiment and gathering data, and techniques of statistical inference which are used to confirm models. Emphasis will be placed on real-world applications and discussing and writing about statistics and their applications. The TI-84 graphing calculator will be used extensively and other statistical software.

### **Introduction to Computer Science**

**Grades 10 - 12**

**5 Credits**

*Prerequisite: Algebra I*

This is an introduction to computer science and software engineering for students interested in developing software applications, not just using them. Through a project-oriented approach, students will explore a variety of programming systems and languages to create interactive applications and systems. By collaborating in a hands-on environment, students will learn problem solving, software design, debugging strategies, and the foundations of computer science (data structures, procedures, and algorithms).

### **AP Computer Science Principles**

**Grade 12**

**5 Credits**

*Prerequisite: Algebra I and Intro to Computer Science or Digital Literacy*

The AP Computer Science Principles course is designed to be equivalent to a first semester introductory college computing course. The course offers a multidisciplinary approach to learning the underlying principles of computation. The course will introduce students to the "big ideas" of computer science: creativity, programming, abstraction, algorithms, large data sets, the Internet, cybersecurity concerns, and the global impact of computing. The course will give students the opportunity to use technology to address real-world problems and build relevant solutions, while inviting students to understand how computing changes the world. Rather than focusing on a particular programming language or tool, the course focuses on using technology and programming to solve computational problems and create exciting and personally relevant artifacts. Students will also develop effective communication and collaboration skills, working individually and collaboratively to

*Revised August 15, 202332*

solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world.

**AP Statistics**

**Grade 12**

**5 Credits**

*Prerequisite: Introduction to Statistics*

The AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing to build conceptual understanding.

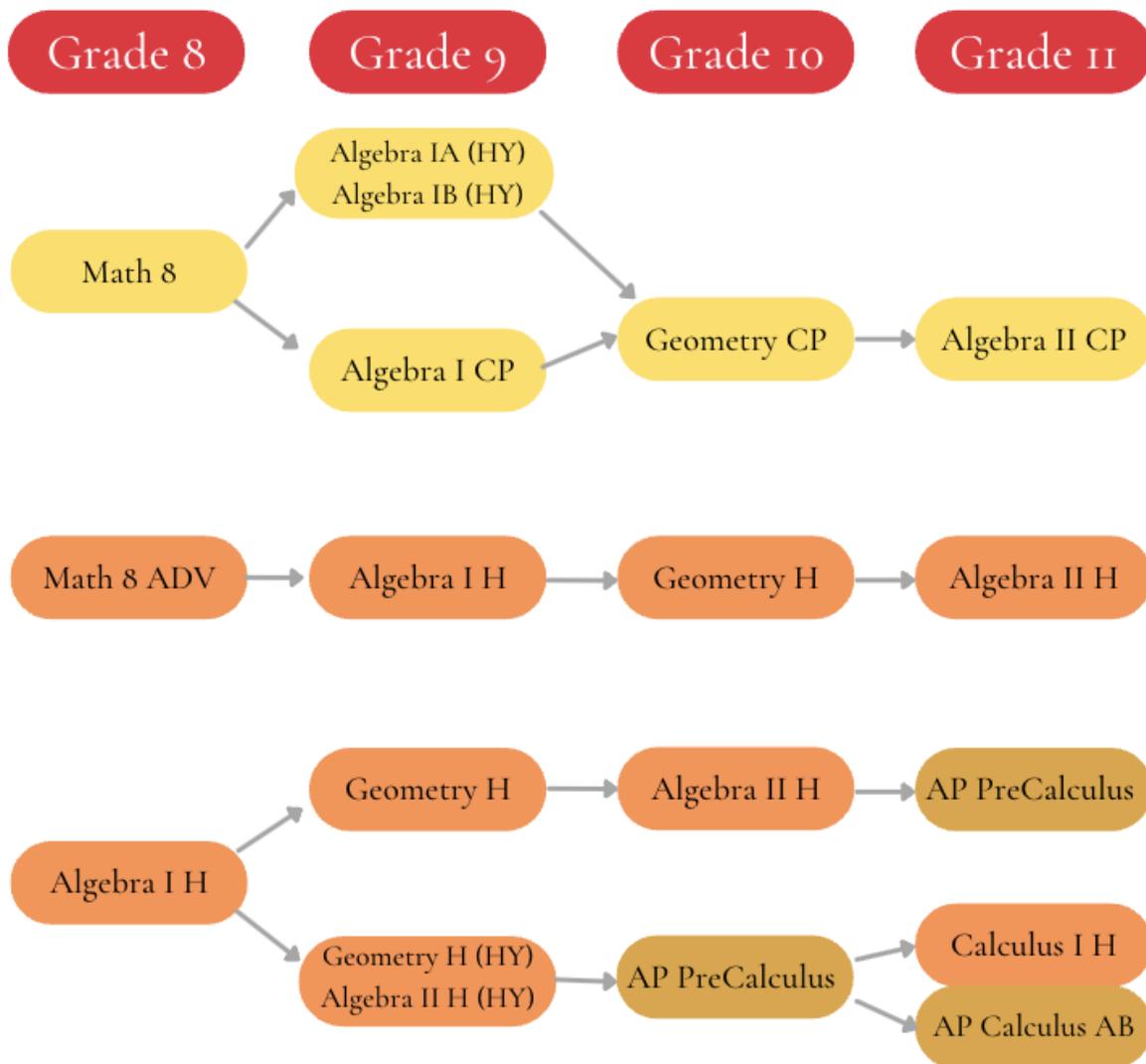
**Test Skills**

**Grade 12**

**2.5 Credits**

*Prerequisite: Counselor recommendation*

This course will provide a thorough preparation for testing in both English and mathematics content areas. It will cover content and skills needed to be successful on standardized tests that fulfill the New Jersey testing graduation requirement. Students will deconstruct the test to learn to think like a test maker. Students will build skills each week to increase their confidence throughout the course. This test preparation is further documented in a portfolio that demonstrates the achievement of both math and English skills.



Students can move from a College Prep pathway to an Honors pathway and vice versa if they meet the criteria set by the district. Some Honors courses are available during the Summer to accelerate learning to the next course.

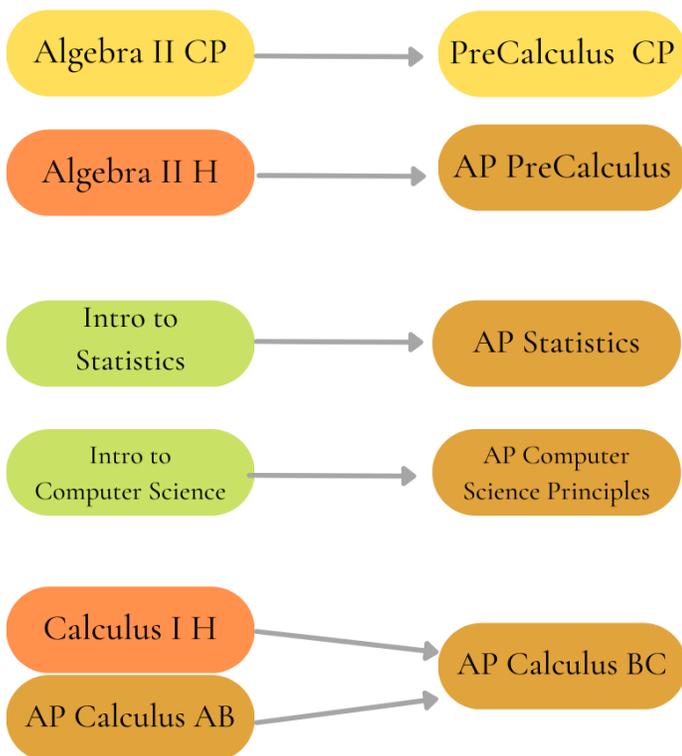
**See next page for more pathway options for 11th-12th grade**



If you have passed your math courses on the pathway from 9th through 11th grade (with exceptions of students that successfully met math graduation requirements prior to 11th grade) based on the diagram above, you can choose to take any of the following courses as a 4th year of math following the prerequisites in the program of studies (students who met math graduation requirements prior to 11th grade may take these courses prior to their 4th year of math).

### Grades 11-12

#### College Math



**Key:**

College Prep

Advanced Placement

Honors

Math Elective

## Science Department

### Physics

Grade 9

6 Credits

This is an introductory, conceptual physics course that exposes students to the fundamental principles of a variety of topics including kinematics, dynamics, energy, momentum, and waves. Students participate in a hands-on, inquiry-based approach to discovering the natural phenomena of the physical world.

### Physics Honors

Grade 9

6 Credits

*Prerequisites: Refer to Honors course criteria*

This is an introductory, algebra-based physics course that includes the same topics as the general physics course. The pace is accelerated to allow for enrichment and more in-depth discovery of topics, including the mathematical analysis of physics topics.

### Chemistry

Grades 10 – 11

6 Credits

This course applies physics concepts to explain natural phenomena and the physical world. Topics include the atom and periodic table of elements, bonding, chemical reactions, thermochemistry, nuclear chemistry, and acids and bases. Students combine scientific and mathematical concepts to solve problems on all topics.

### Chemistry Honors

Grades 10 – 11

6 Credits

*Prerequisite: Refer to Honors course criteria*

The honors course includes the same topics as the general chemistry course, with additional topics of moles, stoichiometry, and solutions. The pace is accelerated to allow for enrichment and more in-depth discovery of topics, including the mathematical analysis of chemistry topics.

### Biology

Grades 9–12

6 Credits

In this course, students build an understanding of modern biology based on their prior science learning. Students learn about the origins of life and the process of evolution through natural selection. They then progress to learn about molecular biology, cellular biology and processes, genetics, and ecology. This course serves as a solid foundation for Anatomy & Physiology and Marine Science.

### Biology Honors

Grades 9 – 11

6 Credits

*Prerequisites: Refer to Honors course criteria*

Honors Biology provides a rigorous study of biology and is designed for students who have done excellent work in previous science classes. Topics include the structure of the cell and its development into complex organisms, evolution, genetic studies of trait inheritance and variation, and ecological studies examining the relationship of organisms and their environment. Students develop analytical and critical-thinking skills through lab activities.

**AP Biology****Grades 11 – 12****7 Credits***Prerequisites: Biology Honors (refer to Honors and AP course criteria)*

This course is the equivalent of a college-level, introductory biology course. This course includes the rigorous study of biology topics and applications. Topics include the chemistry of life, cells, cell use of energy, heredity, molecular genetics, evolution, the diversity of organisms, the structure and function of both plants and animals, and ecology.

**Environmental Science****Grades 9 – 12****6 Credits**

The goal of this course is to provide students with the scientific principles, concepts, and methodologies to understand the interrelationships of the natural world, identify and analyze environmental problems, both natural and human-made, evaluate the risks associated with these problems and examine alternative solutions for resolving and/or preventing them.

**AP Chemistry****Grades 11 -12****7 Credits***Prerequisite: Chemistry Honors (refer to Honors and AP course criteria)*

This course is the equivalent of a general chemistry course taken during the first year of college. It is structured around the extensive ideas articulated in the AP Chemistry curriculum framework provided by the College Board. An emphasis is placed on science practices performed during hands-on laboratory activities, which capture important aspects of the work of scientists. Each topic includes rigorous mathematical problem solving.

**AP Physics****Grades 10-12****7 Credits***Prerequisites: Physics (refer to Honors and AP course criteria)*

AP Physics I is an algebra-based, college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students develop scientific critical thinking and reasoning skills.

**AP Environmental Science****Grades 11-12****7 Credits***Prerequisites: Biology (refer to Honors and AP course criteria)*

This course provides students with the scientific principles, concepts, and methodologies to understand the interrelationships of the natural world, identify and analyze environmental problems, both natural and human-made, evaluate the risks associated with these problems and examine alternative solutions for resolving and/or preventing them. It is a rigorous course that prepares students for the AP Environmental Science exam.

**Forensic Science****Grades 9 – 12****5 Credits**

Forensic Science is the application of scientific techniques and technology to the investigation of a crime and the presentation of evidence in a court of law. Study includes the applications of concepts from the areas of biology, chemistry, physics, and geology to analyze and investigate evidence that may be discovered in a criminal investigation. Classroom activities include experiments, projects, and case studies.

**Earth-Space Science**  
**Grades 10 – 12**

**5 Credits**

This course is designed to give students a deeper understanding of astronomy, the solar system, and the universe beyond. Students increase their awareness of our universe's scope and scale by understanding Earth's place in this system. Students then study the Earth's hydrosphere, atmosphere, geosphere, and biosphere.

**Marine Science**  
**Grades 11 – 12**

**6 Credits**

*Prerequisites: Biology*

Marine Science is a laboratory course that introduces students to the study of marine environments. This is accomplished through the application of theory to the marine ecosystem available at the Perth Amboy waterfront.

**Anatomy**  
**Grade 11**

**6**

**&**

**Physiology**  
**credits**

*Prerequisite:*

*Personalized*

*Learning*

*Program*

*recommendation*

Anatomy & Physiology is the study of the structure and function of the human body. This course follows a sequential development of the major body systems in an organized and structured curriculum. The course is designed to give the students a selective overview of human anatomical structure and an analysis of human physiological principles. It focuses on the following body systems: integumentary, skeletal, muscular, nervous, and special senses.

**The**  
**Grades 10 – 12**

**Science**

**5 Credits**

**of**

**Healthy**

**Living**

*Child Study Team recommendation*

The Science of Healthy Living course will instruct students with disabilities about nutrition, food preparation, and expose students to various physical activities for independent and healthy living. Students will participate in a variety of activities including meal planning, food shopping on a budget, and simple meal preparation through laboratory experiences. This course will give students a depth of knowledge of the skills required for everyday living.

## Social Studies Department

### Core Social Studies Classes

#### U.S. History I Grade 9

5 Credits

This course examines the major turning points in American history beginning with the events leading to the American Revolution, origins of the U.S. Constitution, reform movements, Manifest Destiny, Civil War and Reconstruction, impact of the Western Frontier, evolution of business and World War I.

#### U.S. History I Honors Grade 9

5 Credits

*Prerequisite: Refer to Honors and AP course criteria*

This class is designed as a survey course beginning with the origins of the U.S. Constitution, the Washington administration and spanning to 20th Century America. This course provides students with a framework for studying political, social, economic, and cultural issues while analyzing the impact these issues have had on American society. This course demands greater independence and responsibility on the part of the student while developing higher level thinking skills.

#### AP U.S. History I Grade 9

5 Credits

*Prerequisite: Refer to Honors and AP course criteria*

This class is designed to be a precursor course for students that will prepare them for taking the AP U.S. History Exam after a second course. It will begin with the first unit of AP U.S.H. entailing the journey of Columbus circa 1491 and will end with the completion of Reconstruction in 1877. AP skills will be integral to the course, with emphasis on learning AP assessments and rubrics. The students will be expected to take the AP U.S. History exam upon the completion of a second course, APUSH II.

#### AP U.S. History II Grade 10

5 Credits

*Prerequisite: APUSH I or any level of U.S. History I (refer to Honors and AP course criteria)*

Beginning with shifts occurring post-Civil War Era of 1865 and ending with study of present-day U.S. history, students will utilize multiple resources and strategies to master the skills necessary for success in the course and on the APUSH exam.

#### U.S. History II Grade 10

5 Credits

*Prerequisite: U.S. History I*

Beginning with the Roaring 20's, students examine American history and its influence post-World War I, the growth of the United States as a world power, the Cold War, and the struggle to achieve class, ethnic, racial, and gender equality. The course extends to the modern day. Contemporary world issues such as globalization, economic interdependence, terrorism, and world cultures also factor into our analysis of international conflict and cooperation.

## **U.S. History II Honors**

**Grade 10**

**5 Credits**

*Prerequisite: Any Level of U.S. History I (refer to Honors and AP course criteria)*

This course provides a continuation of the topics covered in US History I Honors, beginning with the aftermath of World War I, the Great Depression, America's role during World War II and continuing to explore the growth of the United States as a world power, the Cold War, and the struggle to achieve class, ethnic, racial, and gender equality. United States History II Honors provides students with a framework for studying political, social, economic, and cultural issues while analyzing the impact these issues have had on American society. This course demands greater independence and responsibility on the part of the student and concentrates on the development of higher-level thinking skills. The honors courses in U.S. History I and II are designed to help students perform at a higher academic level and to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting.

## **World History**

**Grade 11**

**5 Credits**

World History is a year-long course that begins with the study of the Renaissance and continues through modern day history. Among topics covered during this period are the Renaissance, Reformation, Exploration, Political Revolutions, the Industrial Revolution, World War I, World War II, genocide, and contemporary world history. Students will be able to understand, analyze and evaluate events from these eras as they evolved and influenced global response. Students will be able to relate these events to their own experiences and the modern world.

## **World History Honors**

**Grade 11**

**5 Credits**

*Prerequisite: Refer to Honors and AP course criteria*

World History Honors is a survey course that explores key events and global historical developments (since 1450 A.C.) that have shaped the world we live in today. The scope of modern World History provides the latitude and range to explore all aspects of the human experience: economics, science, religion, philosophy, politics & law, military conflict, and literature & the arts. Students will uncover patterns of behavior, identify historical trends and themes, explore historical movements and concepts, and test theories. World History Honors requires the participant to function with greater independence and responsibility and concentrate on the development of higher-level analytical thinking skills.

## **AP World History: Modern**

**Grades 10 – 12**

**5 Credits**

*Prerequisite: Refer to Honors and AP course criteria*

AP World History is for the exceptionally studious high school student who wishes to attempt to earn college credit in high school through a rigorous academic program and AP exam. This class approaches history in a non-traditional way in that it looks at the common threads of humanity over time by examining currents of trade, religion, politics, society, and technology, while investigating how these themes have manifested themselves in various places and at various times. This course is designed to empower students to master a broad body of historical knowledge, demonstrate an understanding of historical chronology, use historical data to support an argument or position, understand historiography and differing schools of opinion, interpret, and apply data from original documents (including cartoons, graphs, laws, and letters). Students will effectively use analytical tools for evaluation, to understand cause/effect and compare/contrast while preparing for success on the AP World History Exam.

## **Financial Literacy**

**Grades 9 – 12**

**2.5 Credits**

In this course, students will develop skills and strategies that promote personal and fiscal responsibility related to financial planning, savings, investment, and charitable giving in the global economy. This includes topics on income and careers, money management, credit and debt management, planning, savings, and investing, consumerism and risk management and insurance.

## **Social Studies Electives**

### **Psychology I**

**Grades 10 – 12**

**2.5 Credits**

This course is an introductory survey of the important concepts in psychology with traditional theories and modern developments. It includes topics like psychology's history and perspectives, introduction to psychological research, and the biological foundations of behavior.

### **Psychology II**

**Grades 10 – 12**

**2.5 Credits**

*Prerequisite: Psychology I*

Following the Psychology I course, interested students may pursue additional instruction in psychology through advanced topics such as sensation and perception, states of consciousness, development, personality, and learning.

### **AP Psychology**

**Grades 11-12**

**5 Credits**

*Prerequisite: Refer to the Honors and AP course criteria*

The AP Psychology course introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. This course prepares students for the corresponding AP examination.

### **Intro to American Government I**

**Grades 10 – 12**

**2.5 Credits**

This course is an introduction to political science, American government, political socialization, and linkage institutions. It is structured to promote foundational political and analytical understanding and thinking regarding American politics and government.

### **Intro to American Government II**

**Grades 10 – 12**

**2.5 Credits**

*Prerequisite: Intro to American Government I*

Following Intro to American Government I, this course elaborates on and furthers understandings of politics and institutions begun in the prerequisite course. Students explore what politics means academically, along with political institutions, policies, civil liberties and civil rights, and a culminating civics project.

**AP U.S. Government****Grades 11-12****5 Credits***Prerequisite: Refer to Honors and AP course criteria*

The AP U.S. Government course provides students with a learning experience equivalent to that obtained in most college introductory United States Government and Politics courses. This course will give students an analytical perspective on government and politics in the United States. Students will become familiar with the variety of theoretical perspectives and explanations for various behaviors and outcomes.

**AP European History****Grades 11 - 12****5 Credits***Prerequisite: Refer to Honors and AP course criteria*

This course focuses on European History from 1450 to the present. It includes a deep examination of political, diplomatic, intellectual, and cultural, and social and economic themes of Europe's history in preparation for postsecondary study in liberal arts and the humanities. This college level course emphasizes the development of critical reading, oral participation, research, and analytical writing skills in preparation for the correlating Advanced Placement Exam.

**African American History****Grades 10 – 12****5 Credits**

This course examines the continent of Africa and its diaspora in Europe, Asia, and the Americas, with special emphasis on the African American and African Caribbean experience. This course seeks to integrate analysis of race, class, gender, culture, migration, immigration, economics, politics, history, the arts, literature, community, nation-building, and globalization. Students will be able to analyze primary and secondary sources from diverse sources to evaluate historical content and appreciate the struggle of Black people everywhere for self-determination, equality, respect, and civil rights.

**Citizenship and Community****Grades 10 – 12****5 Credits***Child Study Team recommendation*

The Citizenship and Community course assists students with disabilities in learning the basics of American government and exploring the local community. Students will participate in various activities including researching laws that have impacted people with disabilities and conducting an in-depth review of an Individualized Education Program. Students will participate in community exploration, engage in volunteer opportunities, and learn how to access local resources. This course will give students a depth of knowledge concerning many aspects of their community and how to access resources for post-secondary living.

**Contemporary World Issues****Grades 10 – 12****5 Credits**

In this course, students will analyze governments, economies, peoples, and cultures from around the world. Instruction emphasizes the structures and policies of the United States and how they compare to other systems in the international community. Students will apply critical thinking skills to examine current events and contemporary issues, including human rights, the strengths and weaknesses of globalization, America's role in the international economy, and severe environmental threats facing many regions around the world today.

**Latin American Studies****Grades 10 – 12****5 Credits**

This course offers students an opportunity to explore the diverse regions of the Caribbean, Mexico, and Central and South America through their history, politics, language, and culture of its people. The histories, artistic movements, social organizations, and political institutions that have shaped Latin America in the past and continue to define its present will be explored.

**Human & Physical Geography****Grades 10 – 12****2.5 Credits**

This course combines economic and cultural geography to explore the relationships between humans and their natural environment and to track the broad social patterns that shape human societies. Featuring communities around the world that are grappling with major socioeconomic change, the program helps students understand present-day events within the scope of clearly recognizable trends, and realize the impact that government, corporate, and individual decisions may have on people and places near and far.

### **Fundamentals of Personal Finance**

**Grades 10 – 12** **5 Credits**

*Child Study Team recommendation*

The Fundamentals of Personal Finance course will assist students with disabilities in learning how to manage everyday personal finances and develop the skills needed for independent living. Students will learn how to manage a personal budget and shop as smart consumers. This course will give students a depth of knowledge of how to manage personal finances.

### **Sociology**

**Grades 10 – 12** **2.5 Credits**

This course examines the nature and scope of sociology, its terminology and concepts, studies sociological perspectives, social processes, social institutions, development of society, and characteristics of social life.

### **Introduction to Philosophy/Rhetoric**

**Grades 10 – 12** **5 Credits**

This course is intended to complement the current battery of full-year elective courses in Social Studies. Students will be introduced to both classical and contemporary philosophical theories while fostering their ability to analyze, interpret, and defend through rhetoric. Students will exercise their skill in persuasive speaking and writing using point-counterpoint and other strategies to persuade the reader/audience.

### **History of Sports**

**Grades 10 – 12** **5 Credits**

From the Olympics to the World Series, sports have played a key role in human interaction. In this course students will examine the development of sports through various historical perspectives. There will be an emphasis on helping students gain a better understanding of the inner relationship that sport has on social, economic, cultural, and political forces that are at work in the United States as well as the world. Students will examine the historical context as well as the significance of gender, race, ethnicity and social class through readings, primary sources, audio, and visual materials as well as class discussions.

### **Criminal Justice: From the crime scene to the courtroom**

**Grades 10 – 12** **5 Credits**

The mission of the Criminal Justice course is to ensure that the students understand the American criminal justice system and the significant impact it has on society, and to use that information as a fully formed individual in a modern society. The goal of this course is to educate students, to become informed citizens of the United States, in the Global Age.

### **Holocaust, Genocide and Human Rights**

**Grades 10 – 12** **5 Credits**

This course will introduce the history of the European Holocaust and address the wider questions of genocide in the modern world. Examination of these events in comparative context (including such events as Armenian, Stalinist, and Cambodian massacres and the Rwandan and Darfur genocides) and discussion of their impact on modern cultural, political, intellectual developments would be explored. Students would be exposed to some of the greatest moral and ethical dilemmas in modern history to examine the notion of humanity. How does an understanding of the origins and virulence of genocide challenge societies to be more tolerant, pluralistic, and open? This is an interdisciplinary course drawing from history and the humanities, the social sciences, and education.

# Social Studies

## Typical Course Sequences

Grade 9

US History I

US History I  
Honors

A.P. USH I

Grade 10

US History II

US History II  
Honors

A.P. USH II

Grade 11

World History

World  
History Honors

Advanced Placement:  
Modern World

Grade 12

*Electives may be taken Grades 9-12; some require prerequisites. See options below.*

# Social Studies Electives

African-American  
History

Financial  
Literacy

Intro. to Philosophy/  
Rhetoric

Criminal Justice

Advanced Placement:  
U.S. Government

American  
Government I&II

Fundamentals of  
Personal Finance

Latin-American  
Studies

Genocide/Modern  
Humanity

Advanced Placement:  
Euro. History

Citizenship and  
Community

History of Music

Psychology I & II

History of Sports

Advanced Placement:  
Psychology

Contemporary  
World Issues

Human and Physical  
Geography

Sociology

**Key:**

No Prerequisite

Prerequisite

Honors

Advanced  
Placement

## World Language Department

### **French I** **Grades 9 – 12**

**5 Credits**

The French I course is an introduction to the language. Colors, days, months, and numbers are taught by familiar classroom games and choral repetition. Exposure to French culture will be provided by videos, posters, and fascinating stories. Have you ever thought about walking down the Champs Elysees or visiting the Louvre, the Eiffel Tower, or Notre Dame?

### **French II** **Grades 10 – 12**

**5 Credits**

*Prerequisite: French I*

During French II, basic conversations will take place and common phrases, and colloquial expressions will be used daily. Familiar classroom games and choral repetition will enhance the students' vocabulary. Grammar is further introduced in level 2 to increase the knowledge of the language. *A bientôt!*

### **French III** **Grades 10 – 12**

**5 Credits**

*Prerequisite: French II*

The French III course is an extension of the French II course, in which the proportion of reading and writing increases. Reading stresses comprehension without the use of English and involves unfamiliar material: short stories, plays, and novels. French customs, characteristics, and contributions are presented through textbook materials, current periodicals and newspapers, pictures, and recordings.

### **French IV** **Grades 11 – 12**

**5 Credits**

*Prerequisite: French III*

French IV provides students with opportunities to read on a more advanced level of nineteenth and twentieth century authors and conduct a review of grammar. Written composition is based on questions, topic sentences, guidelines and notes provided by the teacher and discussed by the students.

### **AP French** **Grade 12**

**5 Credits**

*Prerequisite: French IV (refer to Honors and AP course criteria)*

Enrollment in the AP French language course will afford students the opportunity to practice and perfect listening, speaking, reading, and writing skills, with the final goal of mastering the AP French Language examination.

### **Spanish I** **Grades 9 - 12**

**5 Credits**

*This course is closed to those students already fluent in Spanish. Spanish-speakers should refer to Heritage Spanish I.*

The course begins with a brief time devoted to oral work without texts. After this initial phase, textbook materials, games, filmstrips, and tapes are used in oral practice and in the development of reading and writing skills. Material dealing with the customs of Spanish-speaking people is provided by texts, slides, films, and recordings.

**Spanish II**  
**Grades 9 – 12** **5 Credits**

*Prerequisite: Spanish I*

The development of listening comprehension, oral reading and writing skills continues as described in Spanish 1. Further background materials are presented.

**Spanish III**  
**Grades 10 – 12** **5 Credits**

*Prerequisite: Spanish II*

Reading is increased with the emphasis on direct comprehension without the use of English, and discussion in Spanish by the students. Novels and short stories are used as texts. Vocabulary building through the study of synonyms and idioms is constantly emphasized. High points in grammar are reviewed sometimes.

**Spanish IV**  
**Grades 11 – 12** **5 Credits**

*Prerequisite: Spanish III*

Intensive reading is pursued with continued stress on comprehension, conversation, and composition. Composition is controlled, based on assignments on previously studied material. Vocabulary building and grammar review are continued. A unit on business Spanish is also included.

**AP Spanish Language & Culture**  
**Grades 11 – 12** **5 Credits**

*Prerequisite: Spanish IV, Spanish Lit II, or Heritage Spanish II (refer to Honors and AP course criteria)*

Enrollment in the AP Spanish Language and Culture course will afford students the opportunity to practice and perfect listening, speaking, reading, and writing skills, with the final goal of mastering the AP Spanish Language examination.

**AP Spanish Literature**  
**Grades 11 – 12** **5 Credits**

*Prerequisite: Spanish IV, Spanish Lit II, or Heritage Spanish II (refer to Honors and AP course criteria)*

The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings.

**Heritage Spanish I**  
**Grades 9 – 11** **5 Credits**

*Prerequisite: Placement determined by Departmental testing*

Heritage Spanish 1 includes the development of verb tenses in the indicative, subjunctive, and conditional moods; nouns and their modifiers. Writing considers spelling, construction of individual sentences and short paragraphs. Short stories are read and discussed.

**Heritage Spanish II**  
**Grades 10 – 12** **5 Credits**

*Prerequisite: Heritage Spanish I*

Heritage Spanish II is a follow-up of the Heritage Spanish 1 course. Included in the program is reading, comprehension, and discussion of various poems and short stories by recognized Hispanic authors. Grammar study advances through practical writing of short compositions, business and/or personal letters.

### **Heritage Spanish III**

**Grades 10 – 12**

**5 Credits**

*Prerequisite: Heritage Spanish II*

Students should refer to the course description for the Spanish III course. Naturally, greater fluency will allow for additional readings and more advanced lectures and discussions.

### **Heritage Spanish IV**

**Grades 11 – 12**

**5 Credits**

*Prerequisite: Heritage Spanish III*

Reading and writing in Spanish is increased with an emphasis on developing knowledge of Spanish Literature through short stories, novellas, and plays.

### **Spanish Drama through Literature**

**Grades 10 – 12**

**5 Credits**

Spanish Literature through Drama will provide students with performing and creative experiences in theater in Spanish for all Perth Amboy High School students proficient in Spanish. It will strive to equip students to become sensitive and knowledgeable participants in the performing arts by offering a wide range of curricular course work and extra-curricular activities that meet the interests and needs of all students.

### **Spanish Literature I**

**Grades 9 – 12**

**5 Credits**

Spanish Literature I course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. All reading, writing and discourse will take place in Spanish.

### **Spanish Literature II**

**Grades 9 – 12**

**5 Credits**

Spanish Literature II is a continuation of the Spanish Literature I course. This course is designed to help students with the skills they need to read, write, and express themselves proficiently in Spanish. Interesting and relevant themes include education, gender, politics, and popular culture, centered on an essential question that engages students to begin thinking critically. Students will learn to read and analyze nonfiction, poetry, fiction and visual texts for rhetorical concepts, diction, and syntax in Spanish. Students will learn to effectively utilize the writing process to develop multi-drafted essays that demonstrate their ability to analyze and synthesize information from a variety of thematic resources to present in Spanish in written form.

# World Languages

## Typical Course Sequences

Grade 9	Grade 10	Grade 11	Grade 12
Spanish I	Spanish II	Spanish III	Spanish IV
Spanish II	Spanish III	Spanish IV	AP Spanish Language & Culture
Heritage Spanish I	Heritage Spanish II	Heritage Spanish III	Heritage Spanish IV
Spanish Literature I	Spanish Literature II	AP Spanish Language & Culture	AP Spanish Literature
French I	French II	French III	French IV

*\*Students may place into higher level World Language classes via performance on the STAMP-4S Test.*

<b>Key:</b>	No Prerequisite	Prerequisite	Honors	Advanced Placement
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## Health & Physical Education Department

### **Freshman Health & Physical Education**

**Grade 9** **4 Credits**

Units of instruction include fitness (including fitness technology), individual and group activities. Freshman Health concentrates on human sexuality. The scope of instruction contains units on human reproduction, abstinence, contraception, Sexually Transmitted Infections (STIs), pregnancy and fetal development, and positive decision making.

### **Sophomore Health (Driver's Education) & Physical Education**

**Grade 10** **4 Credits**

Units of instruction include fitness (including fitness technology), and individual and group activities. The course will enhance the student's level of awareness about driver impairment and the consequences of drivers' actions when they operate a vehicle under the influence or participate in distracted driving activities. Students will acquire an appreciation of the impact that natural forces have affecting driving. Students will learn to recognize hazardous conditions and how to react appropriately to avoid or minimize problems. Drivers' education will promote a mindset for safe, courteous, and defensive driving. Students will gain an appreciation of the driving task and the responsibilities that accompany it. Students will be prepared for the New Jersey Driver Permit exam.

### **Junior Health & Physical Education**

**Grade 11** **4 Credits**

Units of instruction include fitness (including fitness technology), and individual and group activities. Junior Health empowers students to recognize, understand, and address immediate or chronic health problems to prevent long-term health problems. The focus of this course is on Cardiopulmonary Resuscitation (CPR), first aid, and safety. This course follows the Allen Bill, Legislation S235, which mandates we incorporate CPR/Automated External Defibrillator (AED) training, for all high school students, as part of the curriculum for Comprehensive Health and Physical Education. Students will become global citizens, who demonstrate civic responsibility as they become first responders to emergency situations.

### **Senior Health & Physical Education**

**Grade 12** **4 Credits**

Units of instruction include fitness (including fitness technology), and individual and group activities. Senior health spotlights the development of lifetime applications in the core areas of nutrition, relationships, and emotional health. There is a focus on body image and eating disorders.

### **Teen Prevention Education Program (PEP)**

**Grade 12** **5 Credits**

*Prerequisite: Student selection is based upon application and teacher recommendation*

This is an interactive class that provides students with medically accurate sexual health information. It creates opportunities for discussion, skills development and fun. Peer educators will receive training in sexual health, group facilitation leadership, and communication skills. This will enable them to conduct educational workshops with younger students and adults about critical issues facing teens today. This course may fulfill the grade 12 health class.

# Visual and Performing Arts Department

## Performing Arts

### Acting I

Grades 9 – 12

5 Credits

This course is both an introduction to speech communications and an introduction to drama and the stage. Speech communications, how to read plays, how to portray characters, improvisation, performing scenes, and theories of acting, are some of the areas included.

### Acting II

Grades 10 – 12

5 Credits

*Prerequisite: Acting I and teacher recommendation*

This is an advanced acting course for students who took Acting I and have been recommended to take this course. Monologues, scene work, reading plays, directing for the theater, set design, performing for live audiences, and advanced acting techniques are included.

### Honors Acting

Grades 11 – 12

5 Credits

*Prerequisite: Acting II (refer to Honors and AP course criteria)*

This is an Honors acting course for students who have previously taken Acting I and Acting II. Advanced monologues, scene work, reading plays, directing, set design, costumes, make-up, performing for live audiences, and advanced acting techniques are included in this course. History of drama, Shakespeare, and other advanced works are included in this course.

### Musical Theatre

Grades 11 – 12

5 Credits

*Prerequisite: Acting II and teacher recommendation*

This course is designed to introduce students to musical theater while using skills previously learned in Acting I and Acting II. Students must have a recommendation from the teacher to take this course. Students will learn about musical theater history, in addition to having the opportunity to work in collaborative performance groups to perform songs, scenes, and choreography from various shows of musical theater.

### Dance Company I

Grades 9 – 12

5 Credits

In Dance Company I, there is emphasis on learning and executing basic dance techniques. It offers beginner level work of Jazz, Ballet, and Modern dance styles, in addition to improvisation and choreography. Daily class consists of vigorous warm-ups, combinations across the floor and center floor work. In addition, students will be continuously learning dance technique and terminology and will be given an education in dance history. Completion of this course will prepare students to continue into a more advanced level of dance study.

### Dance Company II

Grades 10 – 12

5 Credits

*Prerequisite: Dance Company I and teacher recommendation*

Dance Company II offers students a wide range of skills, knowledge and understanding of creativity. Throughout this course students will research and develop a powerful sense of personal artistic identity as a performing artist or choreographer. This course emphasizes developing performance skills through the study of technique and nurturing creative abilities through the study of improvisation and choreography. This course covers intermediate to advanced levels of terminology, technique, Ballet, Jazz, Modern, improvisation, choreography, peer feedback and analysis, and performance.

### Honors Dance Company

Grades 11 – 12

5 Credits

*Prerequisite: Dance Company II (refer to Honors and AP course criteria)*

Honors Dance Company is an audition- based/recommendation only course which offers students a wide range of skills, knowledge and understanding of creativity. This class will move at a quicker pace and offer students a greater physical and mental challenge daily. Here, students will be able to integrate the theories and practices of dance, to test ideas through improvisational studies, to learn how embodied knowledge generates ideas, and to articulate those ideas through movement. This course emphasizes developing performance skills through the study of technique and fostering creative abilities through the study of choreography. This course covers advanced levels of terminology, technique, ballet, jazz, modern, tap, improvisation, choreography, peer feedback and analysis, and performance and career preparation.

**Pre AP Music**  
**Grades 9**

**5 Credits**

*Prerequisite: Department recommendation*

Pre AP students have ongoing opportunities to build their skills of analyzing musical works, learn musical terminology, and practice notational and compositional skills. This course also prepares students to apply these skills in various music courses in grades 10-12 leading up to participation in AP Music Theory.

**Music Appreciation**  
**Grades 9 – 12**

**5 Credits**

Music Appreciation is designed to increase students' musical awareness and give them the tools to actively listen to, discuss, and critique a range of styles of music. Students will also receive a basic introduction to music literacy and apply these skills by performing on various instruments such as African drums, marimbas, and bells.

**Music Technology I**  
**Grades 9 – 12**

**5 Credits**

*Prerequisite: Music Theory or 2 years of middle school music*

Music Technology I introduces the principal topics of music technology: acoustics, computers, MIDI, digital audio, and tools for music production and scoring. Hands-on experience will be used extensively to enhance understanding. This course will serve as a springboard to further study and exploration of hardware and software tools for music creation in Music Technology II.

**Music Technology II**  
**Grades 10 – 12**

**5 Credits**

*Prerequisite: Music Technology I*

Music Technology II focuses on advanced concepts in music technology and their application to multimedia. Students learn how to score for film and synchronize multimedia with advanced sound design, sampling, and production techniques. Students learn MIDI production skills through demonstration and hands-on learning opportunities.

**Music Theory & Composition**  
**Grades 9 – 12**

**5 Credits**

Music Theory and composition focuses on developing a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a musical score or work. Students will receive an introduction to listening, writing, and understanding varied aspects of music, such as melody, harmony, texture, rhythm, form, musical analysis, composition, and musical style. Students will also receive an introduction to basic musicianship skills, such as dictation, rhythm speaking, and sight singing. By completing this course students will acquire the basic skills for vocal or instrumental performance.

## **Honors Voice Studio**

**Grades 11 – 12**

**5 Credits**

*Prerequisite: Two years of a choir ensemble and/or teacher recommendation  
Exclusive to 11<sup>th</sup>/12<sup>th</sup> graders and refer to Honors and AP course criteria.*

Honors Voice Studio is an advanced Performing Arts elective composed of the most outstanding Grade 11 – 12 vocal students. Here students will learn solo repertoire and explore their own voice as a soloist. The students' musical experiences will be further developed in different music genres, musical theory, voice science and anatomy.

## **AP Music Theory**

**Grades 11 – 12**

**5 Credits**

*Prerequisite: 2 years of high school music (refer to Honors and AP course criteria)*

This is a college level course in music theory. Students will learn to read, notate, compose, sight-read, and hear music. Vocal, instrumental, and rock musicians will benefit from this course. This course will train students to increase their knowledge of the language of music, their ability to understand what they hear in music, and their ability to perform music at an increased skill level. Students must receive a music teacher's recommendation to be placed in AP Music Theory. Upon completion of the course, students will be encouraged to take the AP Music Theory Exam for a waiver of the first-year college music requirement for both music and non-music majors.

## **Concert Choir**

**Grades 9 – 12**

**5 Credits**

Concert Choir is a large performance ensemble for students who enjoy singing. Students receive instruction in musicianship, choral skills, and performance skills. Choral music ranging from the classics to the contemporary is explored. At times, the choir sings in Latin, German, French, Italian and other languages. This course may be repeated in 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grade. After school rehearsals can be expected and occasional evening concerts are required.

## **Concert Band**

**Grades 9 – 12**

**5 Credits**

Students will perform on one instrument accurately and independently with good posture, proper playing position, and good breath control appropriate for each instrument. Students with no prior instrumental experience will complete book one of the Band Expressions instrumental music method series, which will provide the technical skills necessary for achieving proficiency at the beginning level. Those with prior instrumental experience will engage in enriching activities to increase their technical ability and bring their musicality to the next level.

## **Wind Ensemble**

**Grades 11 – 12**

**5 Credits**

*Prerequisite: Concert Band*

The Perth Amboy High School Wind Ensemble consists of all instrumental students regardless of ability level and is an ensemble course that presents and reinforces basic music theory concepts such as ear training, basic form and analysis, performance and rehearsal etiquette, and music history before and after 1750. As band is a co-curricular class, required rehearsals and performances may take place outside the regular school day for a grade (i.e., after school rehearsals, winter and spring concerts, marching band, community celebrations). Successful students will demonstrate the ability to play the seven major scales per the All-State requirements and the chromatic scale as prescribed for their instrument. Wind Ensemble members attend weekly rehearsals and are graded on attendance, attitude, participation, and weekly assignments.

## Visual Arts

### Foundations of Art Grades 9 – 12

5 Credits

This course is a prerequisite for all additional work in the art department. Included will be the realms of basic drawing, crafts, pen and ink, pastel, watercolor, painting, and lettering. Foundations in Art will provide the student with a means of communication and invention so that they can express feelings, design, develop perceptual skills, and exercise creativity.

### 3D Art I Grades 10 – 12

5 Credits

*Prerequisite: Foundations of Art*

This class offers a new perspective on art, using all 3 dimensions. Students will learn to create sculpture using various mediums including paper, cardboard, clay, and other supplies. Students will be prepared for further study in 3-D Art classes.

### Drawing Grades 10-12

&  
5 credits

Painting

I

*Prerequisite: Foundations of Art*

This course is for students with an interest in drawing beyond an introductory level. In this course students will explore drawing further; through in-depth projects developing more advanced drawing skills including figure drawing, landscape, still life and more. This course also studies the fundamentals of painting including techniques and materials. Both drawing and painting skills are emphasized while exploring a variety of different painting media.

### Drawing Grades 11-12

&  
5 Credits

Painting

II

*Prerequisite: Drawing & Painting I*

Designed for students who would like to move their drawing and painting skills to a more advanced level, this class is for the art student interested in building a drawing portfolio. Drawing materials and techniques will be further explored through a variety of projects. Various painting mediums and techniques will also be explored.

### Pre AP Art Grades 9

5 Credits

*Prerequisite: Department recommendation*

Pre AP students provide students with opportunities to analyze and respond to works of art, develop, and refine their own ideas by drawing on a variety of source material, and constructively respond to the work of peers as it develops. This course also prepares students to apply these skills in various art courses in grades 10-12 leading up to participation in AP Art & Design.

### AP Art & Design Grade 12

5 Credits

*Prerequisite: 2 years of high school art (refer to Honors and AP course criteria)*

In AP Art and Design, you will develop the skills that artists and designers use and create a portfolio of work that will be submitted for an AP score. Students will be able to select between three different portfolio exams: AP 2D Art and Design, AP 3D Art & Design, or AP Drawing. In this course, you will practice and develop these skills: investigating the materials, processes, and ideas that artists and designers use; practicing, experimenting, and revising as you create your own work; and communicating your ideas about works of art and design. All three AP Art and Design portfolio exams contain two sections: Sustained investigation (60% of total score) and selected works (40% of total score).

### Computer Animation Grades 10 – 12

5 Credits

*Prerequisite: Foundations of Art*

In this course students will learn the fundamentals of cartooning and animation. They will learn how to develop cartoon characters and backgrounds, and to make their creations move, walk, and turn around. In the second half of the year students will develop storyboards and scripts and create short, animated films.

### **Digital Art I**

**Grades 10 – 12**

**5 Credits**

This course provides students with the knowledge and techniques that will be used throughout their high school years and beyond to present ideas using digital media. Students will learn about the principles of design, color theory, photography, and typography, and employ creative and critical thinking skills to solve real world design problems. Activities include Digital drawing and painting, creating animated GIFs, photo editing and retouching, photo manipulation and collage, product design, poster and greeting card design, logo design, resume design, travel, and event brochure design and more. Students will use software such as Adobe Photoshop, In-Design, and Illustrator to create graphics.

### **Digital Art II**

**Grades 11 – 12**

**5 Credits**

*Prerequisite: Digital Art I or Computer Animation*

Students will continue their education in Digital Art by using industry programs such as Photoshop, In-Design, and Illustrator. Students will get a firsthand look at the graphic design industry by creating advertisements, product packaging and other exciting projects. Students will also prepare a portfolio to apply to graphic design programs after high school graduation.

### **Photography I**

**Grades 10 – 12**

**5 Credits**

Students enrolled in the Photography I course will learn about composition and lighting basics. They will produce portraits, landscapes, abstract/experimental and studio photography.

### **Media Production I**

**Grades 9 – 12**

**5 Credits**

From camera angles and shot composition to storyboarding and scriptwriting, students in this class will learn how to make their ideas and imagination come to life. Students will be exposed to the various aspects of digital film and television production creating projects including music videos, short films, and broadcast news programs. This course's intent is to allow students to become familiar with the use of digital video cameras, editing software and the three stages of production. This course is project-based and requires students to participate in certain projects after school and on weekends.

### **Media Production II**

**Grades 10 – 12**

**5 Credits**

*Prerequisite: Media Production I*

This course is intended to further develop the skills learned in the Media Production I course. The emphasis in this course will be on learning the job skills required in the television and film industries, including the production of an assortment of documentary style productions. Students will learn advanced studio and field production procedures using professional equipment while producing individual projects and working on assignments for the Panthers' Roar (the Perth Amboy High School Morning Show). Students will be responsible for a wide range of broadcasts airing on the daily morning show. This course is project-based and requires students to participate in projects after school and on weekends.



# Performing Arts

## Typical Course Sequences

Grade 9	Grade 10	Grade 11	Grade 12
Acting I	Acting II	Honors Acting	Musical Theatre
	Dance Company I	Dance Company II	Honors Dance Company
Pre AP Music	Music Theory & Composition	Music Tech I	Music Tech II
	Music Appreciation		AP Music Theory
			Honors Voice Studio

*\*Students must take at least two years of a Choir ensemble prior to taking Voice Studio. A teacher recommendation is also required to take this course.*

# Performing Ensembles

Grades 9/10

Grades 11/12

Concert Band

Wind Ensemble

Concert Choir

**Key:**

No Prerequisite

Prerequisite

Prerequisite/  
Advanced Level

AP/Honors



# Visual Arts

## Typical Course Sequences

Grade 9

Foundations of  
Art

Pre AP Art

Grade 10

Drawing &  
Painting I

Digital Art I

Grade 11

Drawing &  
Painting II

Digital Art II

Grade 12

AP Art &  
Design

\*Computer  
Animation

\*3D Art I

Photography I

Media  
Production I

Media  
Production II

***\*Students must take Foundations of Art prior to taking Computer Animation or 3D Art.***

**Key:**

No Prerequisite

Prerequisite

Prerequisite/  
Advanced Level

AP/Honors

## 21st Century Life & Careers Department

### **Careers in Health and Sports**

**Grade 9 – 12**

**2.5 Credits**

This course provides an orientation to sports and health care services and their delivery. Specifically, it introduces students to the HSA foundational courses, Dynamics of Healthcare, Public Health, Sports Medicine, and Functional Anatomy. Students will focus on a wide array of contemporary issues in career and sports ranging from the social and behavioral aspects of health in their communities, the biomedical basis of public health when dealing with chronic disease and injury, a fundamental understanding of the organ systems and their function, and the concepts of sport injury, sports health care team, and sports nutrition.

### **Digital Literacy**

**Grades 9 – 12**

**5 Credits**

Digital Literacy is a year-long course meant to prepare students for 21<sup>st</sup> century learning. Digital Literacy means having the knowledge and ability to use a range of technology tools for varied purposes. A digitally literate person can use technology strategically to find and evaluate information, connect, and collaborate with others, produce, and share original content, and use the Internet and technology tools to achieve many academic, professional, and personal goals. The goal of Digital Literacy is to teach and assess digital concepts and skills so that students can use computer technology in everyday life to develop new social and economic opportunities for themselves, their families, and their communities. As students master the tools learned, students will be asked to apply these tools in our project-based setting to investigate real-world issues and create meaningful and relevant communication. As a class we help each other respect others, the cyber world, the global communities, and ourselves. Students will be afforded the opportunity to participate in testing to achieve the industry recognized credential Microsoft Office Specialist (MOS certification).

### **Auto Shop I**

**Grades 10 – 12**

**5 Credits**

This course's purpose is to develop an understanding of and appreciation for the uses of transportation as developed over the years. Exploratory experiences in aviation, rocketry, small internal combustion engines, and an introduction to the automobile will be the course's major consideration. The opportunity exists for students to prepare themselves for ownership of an automobile.

### **Advanced Auto**

**Grades 11 – 12**

**5 Credits**

*Prerequisite: Auto Shop I*

This course gives students an opportunity to explore Auto Mechanics in fuller detail to develop the skills needed to obtain entry-level employment in the industry or pursue more comprehensive training in a trade school. The automotive powertrain will be discussed in further detail with the students able to make proper diagnosis, repairs and evaluation procedures used in the field today with a large emphasis on computer-controlled engine management systems. Through field trips and guest speakers, an attempt will be made to familiarize the students with every opportunity possible for them in this career field.

**Culinary Arts I**  
**Grades 11 – 12**

**5 Credits**

In this course all aspects of food are explored including safety, food preparation, management, food science, technology, and nutrition and wellness. Concepts are taught through class work, demonstration, and lab experiences. This knowledge will help the student in daily life and provide a foundation for students who wish to further their knowledge and skills in the Advanced Foods course. Students will be aware of career opportunities in foods and related fields.

**Advanced Foods**  
**Grades 11 – 12**

**5 Credits**

*Prerequisite: Culinary Arts I*

Students will build on the concepts learned in Cooking 1, including careers in foods and related areas, technology in the food industry, food science and nutrition. Students will participate in a variety of activities including laboratory experiences and television production of a food/nutrition style program. This course will give students a depth of knowledge of the food industry and an enhanced foundation for further study.

**Baking & Pastry**

**Grades 11 – 12**

**5 Credits**

*Prerequisite: Culinary Arts I*

Students will learn the skill set necessary to become all-around bakers. They will be taught how to use ovens, mixers, sheeters, and scales to develop the desired final product. Safety practices and basic bakery principles are stressed throughout training. Practical applications include cookies, cakes, sweet dough breads, rolls, pastries, tarts, and donuts.

**Cooperative Office Education (COE)**

**Grades 11 – 12**

**15 Credits**

Cooperative Office Education (COE) is a school-to-careers related work-study program designed for junior and senior students only. Classroom instruction emphasizes personal development, professional work ethic, and an introduction to entry-level office jobs. Through a cooperative arrangement between school and employers, students receive part-time supervised paid employment. Students will have an opportunity to acquire occupational skills necessary to obtain, maintain, and progress in an entry-level employment in the business workplace.

**Tomorrow's Teacher-Teacher Cadets**

**Grades 11 – 12**

**5 Credits**

*Prerequisite: English II, with a grade of 85% or higher*

Tomorrow's Teachers Program is a rigorous elective offered to eleventh and/or twelfth grade level students. In this course, students will develop a greater understanding of the history of education in our state and nation, understand and demonstrate what is involved in becoming a teacher, and conclude what role they play in the future of education as a teacher, parent, and civic leader. Within this course, each student will be afforded the opportunity to discover, through research and hands-on practice, issues in education, teaching, methodologies and classroom observation and different methods of teaching. By the end of this course, students will know themselves better as individuals, learners, and community members. This core is aligned with New Jersey Core Curriculum States for Career Education and Consumer, Family and Life Skills.

**Transition Skills (I, II, III, and IV)**

**Grades 9-12**

**10 credits**

*Child Study Team recommendation*

The Transition Skills course will assist students with disabilities in developing the skills needed for post-secondary education, competitive employment, and independent living. This is accomplished through classroom lessons, Community Based Instruction and Structured Learning Experience opportunities. The Transition Skills II, III, and IV courses provide prevocational experiences that introduce students to the needs and expectations of the world of work. It is also an important part of the transition process to post-secondary and vocational opportunities after high school.

**College & Career Seminar**

**Grade 12****2.5 Credits**

College and Career Seminar is an interdisciplinary curriculum that engages students in an interactive learning process that helps them in developing the knowledge, skills, and attitudes needed to successfully examine their own lives, explore, and evaluate a wide range of education and career options, and make reasoned and researched goals for their future. Students receive coaching and instruction in planning for post-secondary endeavors, including college applications, career exploration, and awareness of military opportunities.

**Intro to Robotics, Design and Solutions****Grade 9****5 Credits**

This course introduces students to the design, building, and programming of robotic systems. Students apply the engineering design process to their robot creation and troubleshooting its operation. Some limited programming is included as students learn how equipment is controlled with logical instructions. Students will be required to gradually complete the design and construction of a robot using the VEX Robotic kits.

**Robotics****Grades 10-12****5 Credits*****Prerequisite: Algebra I***

In this course, students will expand on their knowledge of the engineering design process and collaborate to design, build, and program robots to accomplish a variety of tasks. Students develop skills in research, problem solving, and programming. Specific topics include compound machines, gear trains, circuits, electric motors, digital and analog sensors, and programming. During this course, students will be required to gradually complete the design and construction of a robot using the VEX Robotic kit.

**NJROTC**

NJROTC classes may be taken in lieu of physical education, but participating students would need to enroll in a corresponding health or driver's education class. These classes can fulfill either the 21st Century Life Skill & Career elective requirement, or the physical education requirement, but not both.

**Naval Science I Course****Grades 9 – 12****5 Credits**

This course introduces students to the precepts of citizenship, the elements of leadership, and the value of scholarship in attaining life goals. This course is designed to engender a sound appreciation for the heritage and traditions of America, with recognition that the role of sea power will be important in America's future and develop in each cadet a growing sense of pride in his/her organization, associates, and self. These elements are pursued at a fundamental level.

**Naval Science II Course****Grades 9 – 12****5 Credits**

The purpose of this course is designed to engender a sound appreciation for the heritage and traditions of America, with recognition that the historically significant role of sea power will be important in America's future.

**Naval Science III Course**  
**Grades 9 – 12**

**5 Credits**

The purpose of this course is to further develop the trait of leadership in students and introduce cadets to the vital importance of military justice, international law, and continue with the instruction of Naval Science to include astronomy, meteorology, weather, and the maneuvering board, and to provide an understanding of the facets of sea power, national security, and naval history.

**Naval Science IV Course**  
**Grades 9 – 12**

**5 Credits**

The purpose of this course is to build on the basic qualities of a good follower and an effective leader provided in Naval Science I, 2, and 3, and to take a more in-depth look at what leadership is, and how to maximize your abilities in the leadership area.

## **Elective Programs**

The following delineates how electives will support meeting graduation requirements (\*denotes a semester course). Note: 2.5 credit courses must be taken with an additional course to meet any 5-credit graduation requirement in Fine, Visual & Performing Arts and 21st Century Life Skill & Career. Refer to the course descriptions above for additional information, prerequisites, and entrance criteria.

### **Visual & Performing Arts**

- 3D Art I
- Acting I
- Acting II
- Advanced Design
- Advanced Video Production
- AP Music Theory
- Computer Animation
- Concert Band
- Concert Choir
- Dance Company I
- Dance Company II
- Drawing & Painting I
- Drawing & Painting II
- Digital Art I
- Digital Art II
- Foundations of Art
- Foundations of Production & Design\*
- Honors Acting
- Honors Dance Company
- Honors Voice Studio
- Musical Theatre
- Music Appreciation
- Music Theory & Composition
- Music Technology I
- Music Technology II
- Music Appreciation
- Media Production I
- Media Production II
- Photography I
- Pre AP Art
- Pre AP Music
- Video Production
- Visual Design
- Wind Ensemble

## **21st Century Life & Career**

- Advanced Foods
- Auto Shop I
- Advanced Auto Shop
- Baking & Pastry
- Careers in Health & Sports\*
- College and Career Seminar\*
- Cooperative Office Education (COE)
- Culinary Arts I
- Digital Literacy
- Naval Science I
- Naval Science II
- Naval Science III
- Naval Science IV
- Public Speaking\*
- Intro to Robotics, Design and Solutions
- Tomorrow's Teachers Cadets
- Transition Skills

## **Financial Literacy**

- Financial Literacy\*
- Fundamentals of Personal Finance

Appendix A

Perth Amboy High School					
Graduation Requirement Check List					
<b>English or ESL</b>			<b>21st Century Life and Career - Technical Education (5 Credits)</b>		
Course Name	Grade	# of Credits	Course Name	Grade	# of Credits
English 1 / ESL					
English 2 / ESL					
English 3 / ESL					
English 4 / ESL					
<b>World Language (5 credits)</b>			<b>Visual &amp; Performing Arts (5 credits)</b>		
Course Name	Grade	# of Credits	Course Name	Grade	# of Credits
<<Year One>>					
<<Year Two>>					
<b>Mathematics</b>			<b>PE/Health</b>		
Course Name	Grade	# of Credits	Course Name	Grade	# of Credits
Algebra 1			9th Grade		
Geometry			10th Grade		
Algebra 2			11th Grade		
<<4th Year Math >>			12th Grade		
<b>Science (3 LAB SCIENCES)</b>			<b>Financial Literacy</b>		
Course Name	Grade	# of Credits	Course Name	Grade	# of Credits
<<9th Grade Science>>			Financial Literacy		
Chemistry					
Biology					
<b>Social Studies</b>			<b>TEST SCORES</b>		
Course Name	Grade	# of Credits	<b>NJSLA Exam</b>		
US History 1			9th		
US History 2			10th		
World History			<b>NJGPA Exam</b>		
			11th		
<b>Electives</b>			<b>PSAT 10</b>		
Course Name	Grade	# of Credits	Reading		
			Math		
			<b>SAT</b>		
			Reading		
			Math		
<b>Total Credit Needed - 130</b>					