

**PALISADES PARK  
HIGH SCHOOL**



**GRADES 9-12  
2018-2019 COURSE  
CATALOG**

***Be sure to use the links to the left to navigate this booklet effectively.***



Read this book carefully to learn about new subjects being offered, required subjects, credits, prerequisites, recommendations and other information students need to make decisions about their academic careers at Palisades Park Junior/Senior High School.

The course descriptions in this booklet do not list every course objective. They are meant as a guide to assist the student and parent in selecting the proper academic program. More information is available through department coordinators and the student's guidance counselor.

A typical student schedule consists of 40 credits, which must contain the core courses necessary to complete a particular grade level. The number of credits in academic electives that are chosen must be greater than or equal to the number of non-academic electives that are selected. Although every effort will be made to enroll students in the academic and non-academic courses that they select, it is sometimes logistically impossible due to class size limitations or class conflicts. It is, therefore, very important that students list alternative selections for all academic and non-academic electives.

Students should try to plan the best academic program that meets their needs, abilities, level of interest and future goals.

Important factors to consider in developing an academic program are:

- Graduation requirements
- Career/College requirements
- Student interests
- Student academic ability and performance
- Course level of difficulty
- Teacher recommendations
- Course Prerequisites

College requirements vary, but the minimum college preparatory program necessary for admittance into a New Jersey state university consists of: four years of English, three years of mathematics, three years of social studies, two years of laboratory science, two years of a world language and additional academic electives. Students should consult with their guidance counselor on specific requirements of individual colleges and advice on different career pathways.

## School Policies

### Grade Structure

Letter grades for marking period averages, exams and final averages are based on the following numerical equivalents:

<b>A+</b>	<b>98-100</b>
<b>A</b>	<b>94-97</b>
<b>A-</b>	<b>90-93</b>
<b>B+</b>	<b>87-89</b>
<b>B</b>	<b>84-86</b>
<b>B-</b>	<b>80-83</b>
<b>C+</b>	<b>77-79</b>
<b>C</b>	<b>74-76</b>
<b>C-</b>	<b>70-73</b>
<b>D</b>	<b>66-69</b>
<b>F</b>	<b>65 and below</b>

### Attendance Policy

Students that exceed the maximum number of absences listed below may lose academic credit for that course. Absences due to extenuating circumstances will be examined by the attendance committee at the conclusion of each semester.

<b>Course Length</b>	<b>Maximum Number of Absences</b>
45 Days	4*
90 Days	8*
180 Days (Standard 3 meetings per cycle)	17*
180 Days (4 meetings per cycle)	23*

\* 4 tardies are equal to 1 absence

Students that exceed the maximum number of absences may lose academic credit for that course. Absences due to extenuating circumstances will be examined by the attendance committee at the conclusion of each marking period.

### Promotion Policy

Placement in specific grade levels is determined by the amount of credits completed during the student's high school career. Grade 8 - satisfactory completion of Grade 7

Grade 9 - satisfactory completion of Grade 8

Grade 10 - satisfactory completion of 32.5 credits

Grade 11 - satisfactory completion of 65 credits

Grade 12 - satisfactory completion of 97.5 credits

Students will be retained in a lower grade if these credit requirements are not met.

### Graduation Requirements

The minimum New Jersey State Department of Education and Palisades Park Board of Education requirements to graduate from Palisades Park Junior/Senior High School for the next four graduating classes are summarized in the table below:

<u>Department / Course</u>	<u>Credits</u> <u>Class of</u> <u>2018 &amp; Beyond</u>
Visual & Performing Arts	5 Credits
Life & Career Skills	5 Credits
English	20 Credits
Mathematics - Algebra 1 - Geometry - Algebra 2 - Intro to College Math	20 Credits
PE / Health	20 Credits
Science	15 Credits 2 Lab Sciences
Social Studies - World History - US History 1 - US History 2	17.5 Credits
World Languages	10 Credits**
Oral & Written Communication	2.5 Credits
Economics or Business Literacy	2.5 Credits
Community Service	15 hrs per year of enrollment
Electives	22.5 Credits
<b>Total Minimum Credits Needed for Graduation:</b>	<b>140 Credits</b> <b>Community Service (15 hrs per year of enrollment)</b>

In addition to the credit requirements, all students must satisfy State requirements with regards to successful completion of the [Partnership for Assessment of Readiness for College and Careers Test \(PARCC\)](#) or some alternate assessment as approved by the New Jersey State Department of Education.

\*\* Limited English Proficient students may satisfy this requirement in various ways. Please speak to a guidance counselor for additional details.

## **Scheduling Process**

1. Each student is encouraged to research the online course booklet beforehand with his/her parent/guardian.

2. Students will be informed of scheduling windows that will correspond to their grade level. These windows will be open for some duration at which time the student must request their courses for the following school year online via PowerSchool. During the window, requests may be added, updated, or deleted but after the window has closed all modifications to requests must be approved and generated by the student's guidance counselor.

Note: PowerSchool will not allow a student to request a course in which he/she has not met the following criteria:

1. Course prerequisites
2. Grade requirements
3. Recommendations.

3. After students have made their requests, all students will have the opportunity to meet and discuss their choices with their guidance counselor. During this time, counselors will review their tentative course selections, progress towards graduation requirements, and/or specific college entrance requirements.

## **Schedule Changes**

Student schedules will be made live on PowerSchool during the summer. At that time, students will be notified of a set of specific dates in August when schedule changes can be made. Please note that schedule changes will not take place outside of this window or during the school year. Students must take advantage of these dates in August to modify their schedules. Modifications to schedules will only be made if there is an error or if the student can demonstrate that the change is necessary and has merit. Some examples of insufficient reasons for a change include the following:

- o A student wants a different teacher.
- o A student wants to take the course at a different time of day
- o A student wants to take the course during a different term.

Any schedule corrections/changes are subject to the approval of the Guidance Office and Administration.

## English

### **English 1 (0120)**

**Credits: 5.0**

Grade Level: 9

Skill Level: Average

Prerequisites: English 8 or some equivalent course

This course begins the four-year English sequence, which requires students to do extensive work reading, discussing and writing about literature. Students will read a wide selection of literature with an introduction to the genres of literature. A wide range of authors will be introduced. Other curriculum areas will include vocabulary development, grammar, listening and speaking. Extensive enrichment activities will be offered. A writing portfolio and research will be required.

### **English 1 Honors (0121)**

**Credits: 5.0**

Grade Level: 9

Skill Level: Advanced

Prerequisites: Must have received a teacher recommendation and earned a B or Better in English 8 H or A- or better in English 8

This course is designed for students with excellent reading and writing abilities. This course is for the serious student ready for challenging work. A major emphasis will be placed on the development of analytical writing skills as well as personal response. Students must be able to work independently and collaboratively. Students enrolling in this course are required to complete a composition of intent before placement in this class. A writing portfolio and research will be required. A summer assignment is also required.

### **English 2 (0130)**

**Credits: 5.0**

Grade Level: 10

Skill Level: Average

Prerequisites: English 1

This course requires students to do extensive work reading, discussing and writing critical responses to literary works. Students will be required to read two independent full-length works and a Shakespearean play. A major objective of this course is the development of expository writing skills. A short research paper will be required. Other curriculum areas will include vocabulary development, grammar, listening and speaking. A writing portfolio and research will be required.

### **English 2 Honors (0131)**

**Credits: 5.0**

Grade Level: 10

Skill Level: Advanced

Prerequisites: Must have received a teacher recommendation and earned a B or Better in English 1 H or A- or better in English 1

English 2-H is designed for students with excellent reading and writing abilities. This course is for the serious student who is motivated and ready for a challenge. A major objective is the development of fluency in all stages of the writing process. Essays will be assigned frequently and a writing portfolio and research will be required. Students enrolling in this course are required to complete a composition of intent before placement in this class. A summer assignment is required.

**English 3 (0140)****Credits: 5.0**

Grade Level: 11

Skill Level: Average

Prerequisite: English 2

This course requires students to do extensive work reading, discussing and writing about literature. The course will give students a broad background in American literature. An objective is the emphasis on the development of advanced writing skills. The use of technology and research into career opportunities will be explored. A writing portfolio and research will be required.

**English 3 Honors (0141)****Credits: 5.0**

Grade Level: 11

Skill Level: Advanced

Prerequisites: Must have received a teacher recommendation and earned a B or Better in English 2 H or A- or better in English 2

This course is designed for students with excellent reading and writing skills and for students who can work well both independently and collaboratively. The course will give students a broad background in American literature. A wide range of authors will be introduced. Students will be required to read four independent full-length works. Emphasis will be on the development of advanced writing skills. Students enrolling in this course are required to complete a composition of intent before placement in this class. A writing portfolio and research will be required. A summer assignment is also required.

**English 4 (0150)****Credits: 5.0**

Grade Level: 12

Skill Level: Average

Prerequisite: English 3

This course requires students to do extensive work reading, discussing and writing about British literature. A major objective is to provide students with the opportunity to become more effective writers. Students continue to develop their communication skills through discussion and cooperative learning experiences. A writing portfolio and research paper will be required.

**Advanced Placement English Literature and Composition (0151)****Credits: 5.0**

Grade Level: 12

Skill Level: Advanced

Prerequisites: Must have received a teacher recommendation and earned a 3 year English Average of B or better in Honors or A- or better in Regular. An above average ability in both literature interpretation and essay writing skills is required.

This course is of college level difficulty. One of this course's major purposes is to prepare students who choose to take the AP English Exam. There will be an intense study of classical works of drama, fiction and poetry with frequent writing assignments. Students enrolling in this course are required to complete a composition of intent before placement. A summer assignment is required. Students may be eligible to receive college credits.

**Science Fiction (0145)****Credits: 2.5**

Grade Level: 9 – 12

Skill Level: Average

Prerequisites: NA

This course will engage students in the exploration of the social and cultural themes developed in various classic and contemporary works within the Science Fiction and Fantasy genres. Students will examine how these works have anticipated and continue to reflect change in our society. Students will analyze ethical and moral implications, both positive and negative, produced by technological advancement and will discuss the relationship between science and science fiction. The curriculum will include short stories, novels, essays, and poems by such authors as Isaac Asimov, Ray Bradbury, Ursula Le Guin, Stephen King, and others.

The course will also seek to increase reading comprehension skills, academic and creative writing skills, and thinking and analytical skills. This course has two purposes: firstly, to present students with a basic understanding of how the genres of science fiction and fantasy can be regarded as serious literature. Articles and short stories will also be explored.

**Drama (0155)****Credits: 2.5**

Grade Level: 9 – 12

Skill Level: Average

Prerequisites: A willingness to perform for an audience.

This course is designed for students who wish to demonstrate their acting ability and improve their self-confidence in public speaking. Students will examine the history of theater, stage/acting terms, body/voice manipulation and character analysis/representation. In addition, students will also explore the elements and structure of the play, genres and styles of drama.

**Oral & Written Communication (0156)****Credits: 2.5**

Grade Level: 9-10

Skill Level: Average

Prerequisites: NA

This course is designed to teach the basics of communicating in a clear and concise manner. The goal is to make students effective speakers and writers. Students are required to do written critical analysis of famous speeches, oral presentations, research, expository & creative writing.

**Contemporary Issues in Literature (0160) – (Odd Years)****Credits: 2.5**

Grade Level: 10-12

Skill Level: Average

This course will focus on reading a variety of contemporary works. Students will explore novels and short stories, which deal with issues in today's world. Students will also use technology to complete a literary project.

**Photojournalism (0163) - (Even Years)****Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

Students will investigate recent and historical photographs dealing with various themes and engage in writing activities. Students will explore techniques for reading, writing, and creating stories for newspapers and magazines. Students are required to contribute to the school newspaper and literary magazine. A major project is required.

**Journalism (0166)****Credits: 2.5**

Grade Level: 9-12

Skill Level: Avg./Advanced

Prerequisites: C or better in English

Students will gain writing, editing, interviewing, managerial skills and more. Students will study journalism history and theory. A variety of assessments are used. Portfolios are kept as a component of the assessment process. Students are required to contribute articles to the school newspaper.

**Creative Writing (0167)****Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

This course is designed for students who wish to demonstrate their creative writing ability and express themselves using their imagination. Students will examine samples of professional writing. In addition, students will collaborate by sharing ideas, examples and insights into selected themes. A writing portfolio will be required. Students will submit at least two original pieces of writing to the literary magazine.

**SAT Prep (0168)****Credits: 2.5**

Grade Level: 11

Skill Level: Average

Prerequisites: NA

Co-requisites: Must be taken in conjunction with SAT Prep Math (0169)

This course is offered to students who plan to go to college and want to prepare for the Scholastic Achievement Test. The course will include instruction, practice and strategies for taking the SAT in both mathematics and English.

**Literature and Film (0171)****Credits: 2.5**

Grade Level: 11-12

Skill Level: Average

Prerequisites: NA

This course offers students the opportunity to study classic and contemporary works of literature while also analyzing the different interpretations and choices addressed in filmed versions. Students will be expected to explore the written word and the moving image while

focusing on literature that is representative of a global perspective. Some attention will be paid to different film genres and how they correspond to the previously discussed literature genres as well as the impact that performance and interpretation have on these works of literature. A final project (focusing on literary interpretation) will be required.

**Mass Media (1255) – (Even Years)**

**Credits: 2.5**

Grade Level: 10 – 12

Skill Level: Average

Prerequisites: NA

This course is a survey of the defining characters and histories of each of the media in mass communication. The focal point in each media is the relationship of the mass media to society. The topics covered will be the elements of media: advertising, radio, motion pictures, sitcoms; as well as, the elements of media literacy: books, newspapers, journals, and magazines. This course will also be designed to analyze and interpret the media within our society.

**Study Skills English 9 (9423) / English 10 (9413) / English 11 (9420) Credits: 2.5 each**

Grade Level: Varies

Skill Level: Basic

Prerequisites: Faculty or Administrative Recommendation

This class will be offered to 9<sup>th</sup> (9423), 10<sup>th</sup> (9420), & 11<sup>th</sup> (9413) grade students in an effort to prepare them for success in English Language Arts. Students will receive more individualized instruction to provide better preparation for Language Arts assessments.

**ESL Beginning (0190)**

**Credits: 5.0**

Grade Level: 9-12

Skill Level: Basic

Prerequisites: State Assessment Score

This course is appropriate for beginning-level Limited English Proficient students. It focuses on the acquisition of grammatical structures and vocabulary development in American English. Students will gain proficiency in the four skill areas of listening, speaking, reading and writing. It will also help students assimilate into the American culture and society.

**ESL Intermediate (0189)**

**Credits: 5.0**

Grade Level: 9-12

Skill Level: Advanced

Prerequisites: State Assessment Score

This course is appropriate for intermediate-level Limited English Proficient students. It is for students who have achieved a higher level of proficiency in all four skill areas. It focuses on advanced grammatical structures and continued vocabulary development. Emphasis will be placed on developing critical thinking skills, research and essay writing.

**ESL Advanced (0187)**

**Credits: 5.0**

Grade Level: 9-12

Skill Level: Advanced

Prerequisites: State Assessment Score

This course is appropriate for advanced-level Limited English Proficient students. It is for students who have achieved a higher level of proficiency in all four skill areas. It focuses on

advanced grammatical structures and continued vocabulary development. Emphasis will be placed on developing critical thinking skills, research and essay writing.

## **Mathematics**

### **Algebra 1 (0346)**

**Credits: 5.0**

Grade Level: 9

Skill Level: Average

Prerequisites: Pre-Algebra 8 or some equivalent course

This course will examine linear and quadratic equations in great detail. Students will become familiar with solving equations both analytically and graphically. They will also construct, interpret and/or draw inferences from graphs, tables and charts that reflect data from real world situations. Basic and Honors pacing options are available.

### **Geometry (0330)**

**Credits: 5.0**

Grade Level: 10-11

Skill Level: Average

Prerequisites: Algebra 1 or some equivalent course

This course will examine basic concepts in geometry such as point, line and plane. It will also explore area, perimeter, volume, the Pythagorean theorem and angle properties. The student will discover properties of Geometry using instruments such as a compass, protractor, ruler and straightedge. This course allows the student to explore the relationship between mathematics and the world around them. Basic and Honors pacing options are available.

### **Algebra 2 (0340)**

**Credits: 5.0**

Grade Level: 10-12

Skill Level: Average

Prerequisites: Algebra 1 and Geometry or some equivalent courses

This course will allow students to understand and solve quadratic equations, systems of equations, absolute value equations and inequalities both analytically and graphically. They will also understand and apply such concepts as rational and radical expressions, finite and infinite relations and functions along with skills of coordinate geometry. Basic and Honors pacing options are available.

### **Pre-Calculus (0342)**

**Credits: 5.0**

Grade Level: 11-12

Skill Level: Average

Prerequisites: Algebra 2 or some equivalent course

This course is for the student who excels in mathematics. It is designed to further the study of functions and is partitioned into two sections. The first half of this course is devoted to a comprehensive analysis of functions, including a study of algebraic, rational, logarithmic and exponential functions. The second half is devoted to the study of trigonometry, including, but is not limited to: properties and graphs of trigonometric and inverse trigonometric functions, solution of triangles, trigonometric identities, Laws of Sines, Cosines and Tangents. There is a strong emphasis on the use of graphing calculators. Honors pacing option is available.

**Calculus Honors (0352)****Credits: 5.0**

Grade Level: 11-12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and earn a B- or better in Pre-Calculus H or a B+ or better in Pre-Calculus.

This course is for the student who excels in mathematics. Calculus will provide an in depth study of differential and integral calculus, and will challenge the student to explore applications pertaining to business, science and engineering.

**Advanced Placement Calculus AB (0351)****Credits: 5.0**

Grade Level: 11-12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and earn a B- or better in Pre-Calculus H or a B+ or better in Pre-Calculus.

This course is for the student who excels in mathematics. It is a standard Advanced Placement course that will cover the topics in the CEEB Advanced Placement Syllabus for Calculus AB. AP Calculus will provide an in depth study of differential and integral calculus, and will challenge the student to explore applications pertaining to business, science and engineering. Students may be eligible to receive college credits.

**Advanced Placement Calculus BC (0353)****Credits: 5.0**

Grade Level: 12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and receive a passing grade in AP Calculus AB

This course is intended for the student who excels in mathematics. It is a standard Advanced Placement course that will cover the topics in the CEEB Advanced Placement Syllabus for Calculus BC. Students will be provided an in depth study of advanced differential and integral calculus using parametric and polar equations, sequences, and series. This course prepares students who wish to further study the fields of Business, Engineering, Science and Mathematics. Students may be eligible to receive college credits.

**Advanced Placement Statistics (0367)****Credits: 5.0**

Grade Level: 12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and receive a passing grade in either Calculus Honors or AP Calculus AB.

This course is for the student who excels in mathematics. It is a standard Advanced Placement course that will enable students to grasp vital concepts in statistics. AP Stats will provide an in depth study of essential topics such as descriptive statistics, probability, estimations, hypothesis testing, and linear regression. These skill sets will provide students the opportunity to extend their thinking and look at statistical concepts from a broader perspective. Students may be eligible to receive college credits.

**Introduction to College Mathematics (0339)****Credits: 5.0**

Grade Level: 12

Skill Level: Average

Prerequisites: Algebra 1, Geometry and Algebra 2 or any equivalent courses.

This course is designed for those students who do not intend to major in a mathematics related college program. It will allow students to further their study of functions. There is a strong emphasis on the use of graphing calculators.

**SAT Prep (0168)****Credits: 2.5**

Grade Level: 11

Skill Level: Average

Prerequisites: Algebra 1 and Geometry or any equivalent courses

Co-requisites: Must be taken in conjunction with SAT Prep Writing/Critical Reading (0168)

This course is offered to students who plan to go to college and want to prepare for the Scholastic Aptitude Test in both Mathematics and English. Students will learn test taking strategies, as well as, gain experience in taking the actual test.

**Business Literacy (0333)****Credits: 2.5**

Grade Level: 9-12

Skill Level: Basic

Prerequisites: Pre-Algebra

This course satisfies the NJDOE Personal Financial Literacy requirement. It is designed to introduce students to responsible financial practices and help them to manage money properly. Introductory in nature, students will also be exposed to basic bookkeeping and investment practices.

**Applied Mathematics (0343)****Credits: 2.5**

Grade Level: 9-12

Skill Level: Basic

Prerequisites: NA

This course is designed to provide students with the applications of Math in daily life. The areas of Personal Finance, Probability & Statistics and Logic will be covered. Topics include buying and financing a car, personal checking and savings accounts, use of credit cards, understanding insurance, taxes, stock markets, simple probability of events, using and interpreting statistics, logic puzzles and cryptology.

**Study Skills Algebra (9422) / Geometry (9415) / Algebra 2 (9414)****Credits: 2.5 each**

Grade Level: Varies

Skill Level: Basic

Prerequisites: Faculty or Administrative Recommendation

This class will be offered to 9<sup>th</sup> (9422), 10<sup>th</sup> (9415), & 11<sup>th</sup> (9414) grade students in an effort to prepare them for success in the major areas of Mathematics. Students will receive more individualized instruction to provide better preparation for Math assessments.

## Science

### **Geophysical Science (0420)**

**Credits: 5.0**

Grade Level: 9

Skill Level: Average

Prerequisites: Physical Science or some equivalent course

The emphasis has been placed on the interrelationships of geology, meteorology, astronomy, and oceanography by focusing on cycles, interactions, and common themes. Current science, environmental, and technological issues have been included in order to prepare students to be responsible citizens of the 21st Century.

### **Geophysical Honors (0421)**

**Credits: 5.0**

Grade Level: 9

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and earn a B- or better in Physical Science H or B+ or better in Physical Science

The emphasis has been placed on the interrelationships of geology, meteorology, astronomy, and oceanography by focusing on cycles, interactions, and common themes. Current science, environmental, and technological issues have been included in order to prepare students to be responsible citizens of the 21st Century.

### **Biology (0430)**

**Credits: 5.0**

Grade Level: 10

Skill Level: Average

Prerequisites: Earth Science or some equivalent course

The objectives of this course are to focus on the properties of living organisms. The presentation for molecular and cellular biology gives a background for DNA and protein synthesis, reproduction, genetics, and evolution. Understanding the continuity of life and the transmission of character gives meaning to organic variation and scientific classification. Relationships among structures and functions in the kingdoms of *Monera*, *Protista*, *Plantae*, *Fungi*, and *Animalia* follow in logical sequence. Course work is culminated by an investigation into ecological interactions.

### **Biology Honors (0442)**

**Credits: 5.0**

Grade Level: 10

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation & earn a B- or better in Earth Science H or a B+ or better in Earth Science or be enrolled concurrently in Earth Science H.

This course is intended for highly motivated students who wish to pursue further science courses. Additionally, it is for the student who wishes to seek a higher academic challenge. It focuses on the properties of living organisms. The presentation for molecular and cellular biology gives a background for DNA and protein synthesis, reproduction, and genetics.

Understanding the continuity of life and the transmission of character give meaning to organic variation and scientific classification. Relationships among structures and functions in the kingdoms of *Monera*, *Protista*, *Plantae*, *Fungi*, and *Animalia* follow in logical sequence. Course work is culminated by an investigation into ecological interactions.

**Energy & Living Systems - Honors (0470)**

**Credits: 5.0**

Grade Level: 9-10

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and earn a B- or better in Physical Science H or B+ or better in Physical Science

Energy and Living Systems is a course that will delve into the biological sciences and provide an overview of the physical sciences. We will learn scientific methodologies and concepts to study and understand living things on the microscopic level and the macroscopic level. In addition, we will be introduced to physical concepts such as force and motion. The lab component of this course will allow us to make real-life connections between the concepts we learn in class and the world around us.

**Zoology (0432)**

**Credits: 2.5**

Grade Level: 10-12

Skill Level: Average

Prerequisites: Biology or some equivalent course

This course examines the diversity of the animal kingdom, focusing on the major groups of invertebrates and vertebrates. We will study these animals in an evolutionary context, emphasizing ecology, life history, and morphology. The lab component will include dissections to examine physical differences across the major phyla.

**Astronomy (0454)**

**Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: Earth Science and Algebra 1 or some equivalent courses

Astronomy is an introductory course dealing primarily with our place in the universe, the scale and vastness of the universe and objects in the solar system. Theories of the origin of the solar system, modern ideas of birth, life and death of stars, structure and dynamics of the universe, our sun, Earth, moon and planets, time, tides and eclipses, as well as general survey of comets, meteors, asteroids and probes are studied. The course briefly covers the methods and historical development of astronomy.

**Chemistry (0440)****Credits: 5.0**

Grade Level: 10-12

Skill Level: Average

Prerequisites: Algebra and Biology or if Biology has not been completed, it may be taken concurrently with Chemistry provided a Chemistry recommendation has been submitted.

Equivalent courses may substitute.

Chemistry is concerned with the systematic identification and classification of matter as elemental or compound substances. The properties and behavior of different kinds of substances is a consequence of their chemical structure and composition. This course introduces students to fundamental chemical and physical science concepts, and an overview of experimental methods in chemistry. Students will learn and use a variety of problem solving techniques and mathematical analyses to gain an appropriate understanding of the scientific method and how it is used to obtain factual knowledge about reality. Specific coverage of the main segments includes basic physical science, basic chemical concepts, chemical classification principles, chemical reactions, stoichiometry, descriptive chemistry, phase equilibria, chemical thermodynamics, and chemical kinetics.

**Chemistry – H (0441)****Credits: 5.0**

Grade Level: 10-12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and earn a B- or better in Biology H and Algebra 1 or B+ or better in Biology and Algebra 1. If Biology Honors has not been completed, it may be taken concurrently with Chemistry Honors provided a Chemistry Honors recommendation has been submitted.

This course is intended for highly motivated students who wish to pursue further science courses. Additionally, it is for the student who wishes to seek a higher academic challenge. Chemistry is concerned with the systematic identification and classification of matter as elemental or compound substances. The properties and behavior of different kinds of substances is a consequence of their chemical structure and composition. This course introduces students to fundamental chemical and physical science concepts, and an overview of experimental methods in chemistry. Students will learn and use a variety of problem solving techniques and mathematical analyses to gain an appropriate understanding of the scientific method and how it is used to obtain factual knowledge about reality. Specific coverage of the main segments includes basic physical science, basic chemical concepts, chemical classification principles, chemical reactions, stoichiometry, descriptive chemistry, phase equilibria, chemical thermodynamics, and chemical kinetics.

**Physics (0450)****Credits: 5.0**

Grade Level: 11-12

Skill Level: Intermediate

Prerequisites: Must earn a C+ or better in Chemistry H or B or better in Chemistry, & earn a C+ or better in Algebra 2 H or B or better in Algebra 2.

This science deals with the properties, changes and interaction of matter and energy. Physics studies the motion from the atomic level to the galactic level. This course is designed to introduce key physics concepts and encourage scientific thinking by engaging students as participants. Mathematics is the language of Physics, therefore, an adequate preparation in

Algebra and Geometry are essential prerequisites, and elementary trigonometry is necessary for some problem solving. The two of the four forces and their application will be thoroughly examined and investigated. They are: gravity and electricity.

**Biotechnology / Anatomy & Physiology Honors (0463)**

**Credits: 5.0**

Grade Level: 11-12

Skill Level: Advanced

Prerequisites: Academy Students Only. Exceptions may be granted provided there was a teacher recommendation and the student earned a B- or better in Biology H and Chemistry H or B+ or better in Biology and Chemistry

The objectives of this course are to study the structures and functions of the human body. The organ systems studied will include: the skeletal system, the muscular system, the digestive system, the excretory system, the respiratory system, the cardiovascular (circulatory) system, the immune system, the nervous system, the endocrine system, and the reproductive system. Biotechnology will be utilized in laboratory experiments. Advanced instrumentation and technology will be incorporated into the curriculum through laboratory techniques. Class is supplemented by written chapter assignments, discussions, and laboratory sessions that include dissections and physiology experiments. This course is intended for highly motivated students who are interested in the advanced study of the human body. Dissection is a requirement for this elective course.

**General Science (0426)**

**Credits: 5.0**

Grade Level: 11-12

Skill Level: Basic

Prerequisites: Biology or equivalent course

General Science deals with the four disciplines of Science, Physics, Chemistry, Earth Science and Biology. The course introduces students to basic fundamental concepts of Science. Students will learn and use a variety of problem solving techniques to gain an appropriate understanding of the scientific method and how it is used to obtain factual knowledge about what happens in nature. Specific coverage of the main segments of science includes basic physical science, basic earth science, and biological systems.

**Environmental Science (0434)**

**Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

This course evaluates the effects of humans on the state of the biosphere with respect to the current biological problems pertaining to air, water and land. Possible topics include: solid waste, sewage, human population, density, habitat loss, species extinction and recycling.

**Microbiology (0438)**

**Credits: 2.5**

Grade Level: 10-12

Skill Level: Average/Advanced

Prerequisites: Biology or equivalent course

The objectives of this course are to provide an understanding of microbial structure and biochemistry, which includes practical experiences in the handling and maintenance of

microbial cultures. Topics begin with the classification and identification of microorganisms. This is followed by microorganism physiology, which examines microbial metabolism growth, and reproduction. Additionally, the symbiotic relationships between microorganisms and multi-cellular species are studied. Finally, there is an investigation into the role of microorganisms in health and disease and the application of microbial processes in industry.

### **Forensic Science (0456)**

**Credits: 2.5**

Grade Level: 11-12

Skill Level: Advanced

Prerequisites: Biology and Chemistry or General Science

Forensic science is focused on the application of scientific methods and techniques as it applies to crime and law. This course is intended to provide an introduction to understanding the science behind crime detection. Topics included are blood analysis, organic and inorganic evidence analysis, microscopic investigations, hair analysis, DNA, drug chemistry and toxicology, fiber comparisons, fingerprints and arson investigation.

### **Botany (0466)**

**Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

Botany is the science that studies plants. Students will be learning the structure, function, growth, reproduction, life cycles, and classification of plants. The course will include nonvascular, seedless vascular, and seeded vascular plants.

### **Biochemistry (0467)**

Grade Level: 10-12

Skill Level: Intermediate

Prerequisites: Biology

The objectives of this course are to provide an understanding of basic chemistry as it is applied to living systems. The course will be divided into an inorganic component and an organic component. The inorganic component will cover: changes in matter, elemental properties, chemical bonds, and chemical equations. The organic component will include: biological macromolecules, metabolism, cellular processes, and biological reactions. Laboratory activities and procedures will be emphasized as a necessary application to the material learned. Students will connect and understand the major differences, similarities, and interconnectedness between biology and chemistry.

### **Advanced Placement Biology (0462)**

**Credits: 6.0**

Grade Level: 11-12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and earn a B- or better in Biology H and Chemistry H or B+ or better in Biology and Chemistry

This course is designed to be equivalent to a college introductory biology course taken by biology majors during their first year of college. Three general areas are covered in AP Biology, which are molecules and cells, heredity and evolution, and organisms and populations. There

are themes to be applied within these areas. The themes are: science as a process, evolution, energy transfer, continuity and change, relationship of structure and function, regulation, interdependence in nature and science, technology and society. Emphasis is placed on developing an understanding of concepts rather than memorizing terms and technical details. Students may be eligible to receive college credits.

**Advanced Placement Chemistry (0460)****Credits: 6.0**

Grade Level: 11-12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and earn a B- or better in Biology H and Chemistry H or B+ or better in Biology and Chemistry

Chemistry is concerned with the systematic identification and classification of matter as elemental or compound substances. The properties and behavior of different kinds of substances is a consequence of their chemical structure and composition. This course introduces students to fundamental chemical and physical science concepts, and an overview of experimental methods in chemistry. Students will learn and use a variety of problem solving techniques and mathematical analyses to gain an appropriate understanding of the scientific method and how it is used to obtain factual knowledge about reality. Specific coverage of the main segments includes basic physical science, basic chemical concepts, chemical classification principles, chemical reactions, stoichiometry, descriptive chemistry, phase equilibria, chemical thermodynamics, and chemical kinetics. The honors section will be given a fuller and more quantitative treatment. Students may be eligible to receive college credits.

**Advanced Placement Physics A (0452)****Credits: 5.0**

Grade Level: 10-12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and earn a B- or better in Algebra 2-H, or a B+ or better in Algebra 2 and have either successfully completed or be concurrently enrolled in Pre-Calculus or Pre-Calculus Honors.

AP Physics 1 provides instruction in each of the following five content areas: Newtonian mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. Knowledge of algebra and basic trigonometry is required for the course; the basic ideas of calculus will be introduced in connection with physical concepts, such as acceleration and work. Understanding of the basic principles involved and the ability to apply these principles in the solution of problems is the major goals of this course. The Physics B course also includes a hands-on laboratory component comparable to introductory college-level physics laboratories representing a variety of topics covered in the course. Each student will complete a lab notebook/portfolio of lab reports.

**Advanced Placement Environmental Science (0471)****Credits: 5.0**

Grade Level: 10-12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and have successfully completed Energy and Living Systems. Other coursework may be substituted for Energy and Living Systems with special permission.

The A.P. Environmental Science course is designed to be the equivalent of an introductory

university course in environmental science. A.P. Environmental Science covers a wide array of scientific subjects such as geology, biology, environmental studies, chemistry, and geography. It is an interesting, complex, and applicable science that is constantly changing and expanding. Environmental issues are ongoing processes that we hear and read about everyday, and it is important to understand the science behind the stories. It is a laboratory science course with the overall goal of students understanding the interrelationships of the natural world, identifying natural and human-made problems, and examining alternative solutions to resolve or prevent these problems.

## Social Studies

### **World History (0257)**

**Credits: 5.0**

Grade Level: 9

Skill Level: Average

Prerequisites: History 8 or some equivalent course.

Students in this course will be asked to think critically about the events and issues that have shaped the history of the world. The course combines a solid core of western coverage with balanced coverage of other regions of the world. A research paper will be required.

### **World History Honors (0256)**

**Credits: 5.0**

Grade Level: 9

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and earn a B or better in History 8 H or a A- or better in History 8

This course is for the serious student ready for more challenging work. Students in this course will be asked to think critically about the events and issues that have shaped the history of the world. The course combines a solid core of western coverage with balanced coverage of other regions of the world. A research paper will be required.

### **U.S. History 1 (0230)**

**Credits: 5.0**

Grade Level: 10

Skill Level: Average

Prerequisites: NA

This course will focus on the development of the United States through a perspective approach. It will cover Native Americans, The Age of Exploration, Colonization, The Revolutionary Era, The Constitution, Westward Expansion, Sectionalism and The Civil War. The course is designed to emphasize governmental procedures and the growth of democracy and nationalism. A research paper will be required.

### **U.S. History 1 Honors (0231)**

**Credits: 5.0**

Grade Level: 10

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and earn a B or better in World History H or A- or better in World History

This course is for the serious student ready for more challenging work. Students will examine broad units of American History according to a chronological approach of the following topics: Pre-Columbian period of exploration and discovery, settlement and colonization, resistance and revolution, Jeffersonian Era, War of 1812, Era of Good Feelings, Jacksonian Era, Manifest Destiny, prelude to the Civil War and Reconstruction and industrialization. A research paper will be required.

**U.S. History 2 (0240)****Credits: 5.0**

Grade Level: 11 – 12

Skill Level: Average

Prerequisites: U.S. History 1

This course examines the US becoming a world power, its role in W.W.I and the prosperity of the 1920's, the difficult years of the Great Depression and W.W.II. The course concludes with the turbulent 1960's, Watergate, Reaganomics and the Clinton Administration. A research paper will be required.

**Advanced Placement U.S. History 2 (0243)****Credits: 5.0**

Grade Level: 11 – 12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation &amp; earn a B or better in U.S. History 1 H or A- or better in U.S. History 1

This course is for the serious student ready for more challenging work. This advanced placement course will cover the history of the United States from the Jamestown to the modern era. The course is the equivalent of an introductory college course on American history. In addition to political and diplomatic history, students will consider social and intellectual trends in American life. This course is taught in accordance with the CEEB Advanced Placement U.S. History syllabus. A research paper will be required. In addition, students will be required to complete a final project. A summer assignment may be required. Students may be eligible to receive college credits.

**Advanced Placement U.S. Government & Politics (0244)****Credits 5.0**

Grade Level: 11 – 12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation &amp; earn a B or better in U.S. History 1 H or AP U.S. History 2 or earn an A- or better in U.S. History 1 or U.S. History 2

This course is for the serious student ready for more challenging work. This course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. A summer assignment may be required. Students may be eligible to receive college credits.

**The 60's (0220) - Offered Even Years****Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

This course will focus on political, social and economic forces that made the 1960's one of the most turbulent decades in our nation's history. The Civil Rights Movement, the Kennedy Era, the emergence of a pop culture and the space program will be covered.

**Hollywood Goes to War (0222) - Offered Even Years****Credits: 2.5**

Grade Level: 11-12

Skill Level: Average

Prerequisites: NA

This course depicts the United States involvement in war, both foreign and domestic. The scope of the course follows our involvement beginning with the French & Indian War to the Persian Gulf War.

**Contemporary Issues & Global Affairs (0223)****Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

This course will focus on modern issues that face the world today. Students will explore global economic systems, human rights issues, world health concerns, environmental dilemmas, as well as the role of the world powers, such as the United States and the United Nations in a shifting world. These issues will trace back as far as the end of the Cold War and the Reagan administration, all the way up to current governmental policy decisions. Students will use analytical reasoning and historical thinking to make informed decisions about the issues that face our nation and world today. They will use a wide variety of resources to come up with their conclusions, particularly from the Internet, magazines, and newspapers. A large portion of this class will devote itself towards using said resources into developing skills that will be applied in creating a formal research paper, a series of position papers, as well as debates and other presentations.

**Introduction to U.S. Government (0229)** – Offered Odd Years**Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

This elective course will explore the basics of American government. Students will become aware of the principles and practices of government including federalism, political parties, court decisions, and citizen's rights and responsibilities. A major goal of this course is to get students actively involved in technology-based projects. Current issues are discussed and analyzed for the effect on political systems.

**Economics (0237)****Credits: 2.5**Grade Level: 9-12 (Should be completed by 10<sup>th</sup> grade)

Skill Level: Average

Prerequisites: NA

This course satisfies the NJDOE Personal Financial Literacy requirement. Students will learn about the principles of economics that apply to an economic system. Particular emphasis will be placed on a study of national income, price determination, economic performance measures, economic growth and international economics. Topics addressed will include consumption, investment, government spending, taxation, money and banking, monetary policies and international trade. Primary emphasis will be placed on the functions of product markets and of the role of government in promoting greater efficiency and equity in the economy. The creation of a business plan will be required.

**Women's Studies (0264)** – Offered Even Years**Credits: 2.5**

Grade Level: 10-12

Skill Level: Average

Prerequisites: NA

What does being a woman mean? In this course, the role of women in the United States and around the world will be explored. Starting from the beginning of time and ending in the present, we will analyze how women are perceived, how gender and femininity are taught (hint hint: the color pink! Make-up!), and how women are represented in society. We will take an up-close look at the women's movement, feminist theory, and the struggle of women in today's world who are victims of violence and who are fighting for equal rights.

**\*\*For the young men at PPHS: do not be discouraged from joining this class! As a man, you will constantly be asked for your expert opinion and male perspective.**

**Advanced Placement Psychology (0261)****Credits: 5.0**

Grade Level: 11 – 12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation

The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of 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. A summer assignment may be required. Students may be eligible to receive college credits.

**African-American History (0265) - Offered Odd Years****Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

This course is a study of the African-American experience in US History. The curriculum aligns with topics included in US History 1 and US History 2. The course addresses the themes of change and continuity throughout African-American history from the struggles against Jim Crow, the Civil Rights Era, and post-civil rights developments.

**Introduction to Law (1256) – Offered Even Years****Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

Law is the system of rules and principles governing the common interest of a community. This course provides a basic understanding of the American legal system. Student will investigate criminal law and procedure, consumer law, family law, contract law, and tort cases. Emphasis will be placed on the U.S. Constitution, the Bill of Rights, United States Supreme Court, the structure of Criminal and Civil Courts on the Federal and State level. Case studies and critical thinking activities are utilized to illustrate the principles and procedures of law.

**Leadership 1 (10001)****Credits: 2.5**

Grade Level: 11-12

Skill Level: Above Average

Prerequisites: Coach or Teacher Recommendation

Leadership 1 is meant to provide students with a practical introduction to effective team building, communication and facilitation skills with a focus in societal relations. Students will analyze the values, feelings, and behavior of individuals in groups. They will also explore such issues as peer pressure, self image, and poor communication, as well as decision making skills. Communication styles will be emphasized. The concepts are applied by analyzing groups in which the students participate. The Social Studies Department emphasizes the development of intellectual, social, moral, cultural, and aesthetic values. Peer Leadership is offered to assist students in developing a better understanding of themselves and others. The Peer Leadership course is an important tool that provides young adults an opportunity to develop leadership skills and encourages making intelligent, rational decisions when trying to solve personal and social problems.

**Unsolved Mysteries of History (1257) - Offered Odd Years****Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

This course will focus on investigating some of the most mystifying events in history through the use of primary sources, conflicting viewpoints, and historical detection. Students will span through thousands of years and search the world's greatest unsolved mysteries to speculate on what might have happened. Topics will range from events and themes in ancient civilization such as the history of the Knights Templar, the true discoverer of the Americas, and the Shroud of Turin. The course concludes with contemporary issues such as the identity of Jack the Ripper, the disappearance of Jimmy Hoffa, and the assassination of John F. Kennedy.

**Human Behavior (0262)****Credits: 2.5**

Grade Level: 10-12

Skill Level: Average

Prerequisites: NA

Human Behavior serves as an introduction to the fields of psychology and sociology. Through the lense of several scientific perspectives, students will gain a greater understanding of people and the reasons behind human behavior. With the ultimate goal of further self-realization, students will gain a wider perspective of their own behaviors and those of people around them.

## World Language

### **Spanish 1 (0520)**

**Credits: 5.0**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

This course is an introduction to the Spanish language. It provides students with basic grammatical structures, pronunciation skills, vocabulary development and reading comprehension. Students are also exposed to the Hispanic culture and the importance of Spanish as a world language.

### **Spanish 2 (0530)**

**Credits: 5.0**

Grade Level: 9 – 12

Skill Level: Average

Prerequisites: Spanish 1

This course reinforces basic vocabulary and grammar concepts. It increases and expands skills in listening, reading, writing and speaking. Hispanic culture and traditions are explored.

### **Spanish 3 (0540)**

**Credits: 5.0**

Grade Level: 10 – 12

Skill Level: Average

Prerequisites: Spanish 2

This course addresses vocabulary and grammatical skills on a higher level. Conversational skills are integrated in various themes. It also continues to expose students to cultural traditions and celebrations.

### **Advanced Placement Spanish 4 (0553)**

**Credits: 5.0**

Grade Level: 11 - 12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and earn a B+ or better in Spanish 3

This course is of college-level difficulty. The goal of this course is for all students to read, write and speak successfully in Spanish. Students will use their previous training and their advanced working vocabulary to express their thoughts, needs, and wishes during complex scenarios and situations throughout this course. Students may be eligible to receive college credit.

**Spanish 1 Honors (0521)****Credits: 5.0**

Grade Level: 9 – 12

Skill Level: Average

Prerequisites: Must receive a teacher recommendation.

This introductory course in Spanish involves developing overall proficiency in the four basic language skill areas: reading, writing, listening and speaking. A functional approach is utilized for instruction. This method relates each grammatical point to its function in communication. This course will also provide insights into the customs, traditions, literature and arts of Spain and other Hispanic countries.

**Spanish 2 Honors (0531)****Credits: 5.0**

Grade Level: 9 – 12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and earn a B- or better in Spanish 1 Honors or B+ or better in Spanish 1. Spanish 1 requirement may be waived with teacher recommendation.

This intermediate course in Spanish continues to develop overall proficiency in the four basic language skill areas (reading, writing, listening and speaking) at a more advanced level. This course will continue to provide insights into the customs, traditions, literature and arts of Spain and other Hispanic countries.

**Italian 1 (0524)****Credits: 5.0**

Grade Level: 9 – 12

Skill Level: Average

Prerequisites: N/A

This course is an introduction to the Italian language, focusing on conversational skills, while developing listening, speaking, reading and writing. Vocabulary development and basic grammatical structures are addressed through various themes. Projects will enhance the study of cultural celebrations, traditions and the geography of Italy.

**Italian 2 (0534)****Credits: 5.0**

Grade Level: 9 – 12

Skill Level: Average

Prerequisites: Italian 1

This course continues to increase conversational skills through thematic units, utilizing a higher level of vocabulary development and grammatical structures. Students continue to be immersed in the Italian language and culture through traditions, holidays and music with an in-depth study of regions, cities and sites of Italy. Projects continue to enhance each aspect of this course.

**Italian 3 (0544)****Credits: 5.0**

Grade Level: 10 – 12

Skill Level: Average/Advanced

Prerequisites: Italian 2

Students in this course are encouraged to express themselves by utilizing the Italian language. Students will maintain a weekly journal and continue to write and perform original culture-based skits. The Italian cinema, music, opera and theater will also be an integral part of the course.

**Advanced Placement Italian Language and Culture (0555)****Credits: 5.0**

Grade Level: 11 – 12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and have completed Italian 3.

This course is of college-level difficulty. The goal of this course is for all students to read, write and speak successfully in Italian. Students will use their previous training and their advanced working vocabulary to express their thoughts, needs, and wishes during complex scenarios and situations throughout this course. Students may be eligible to receive college credits.

**Korean 1 (0560)****Credits: 5.0**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

The main purpose of this course is to lay groundwork for the study of Korean language and culture. The course focuses on basic level of communication skills in speaking, listening, reading, and writing. At the end of the course, students will be able to understand Korean culture and communicate appropriately in a variety of social contexts. Korean culture and traditions are explored.

**Korean 2 (0561)****Credits: 5.0**

Grade Level: 9-12

Skill Level: Average

Prerequisites: Must receive a teacher recommendation or have completed Korean 1

The course focuses on the development of oral proficiency, composition, grammar detail and vocabulary building. At the end of the course, students will be able to communicate aurally and orally with various Korean expressions using proper vocabulary and grammar. It also continues to expose students to cultural traditions and celebrations.

**Korean 3 (0562)****Credits: 5.0**

Grade Level: 9-12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation or have completed Korean 2

The course focuses on the study of advanced vocabulary and grammar through reading texts in various styles. At the end of the course, students will be able to comprehend complex readings and indicate their thoughts in written form. It also continues to expose students to cultural

traditions and celebrations.

**Korean 4 (0563)**

Grade level: 9-12

Skill Level: Advanced

Prerequisites: Must have completed Korean 3 or received a teacher recommendation or have successfully passed a placement test.

Students in this course are assumed to have previous knowledge of Korean. Students will learn higher-level skills in the areas of listening, speaking, reading and writing. They will also expand their knowledge of Korean culture. Increased use of vocabulary, expressions and sentence structure is emphasized. Students will display a more advanced understanding of Korea and the Korean language by analyzing Korean authors and evaluating a variety of writings.

## Physical Education and Health

### **Health 9 (0954)**

**Credits: 1.25**

Grade Level: 9

Skill Level: Average

Prerequisites: NA

The ninth grade program includes the history of health and decision making skills. This course also includes a review of the body systems, family life, including HIV education and substance abuse.

### **Driver Education (0952)**

**Credits: 1.25**

Grade Level: 10

Skill Level: Average

Prerequisites: NA

This course provides the classroom phase of Driver Education. The course is designed to develop proper attitudes and safety techniques that will help the student to become a safe driver. Important components of this course include physical and emotional condition of the driver, traffic safety and law enforcement.

### **Health 11 (0956)**

**Credits: 1.25**

Grade Level: 11

Skill Level: Average

Prerequisites: NA

The eleventh grade health curriculum contains an update and review of basic first aid techniques, steroid use, substance abuse and a continuation of family life. Also included in this program is a component of current health issues.

### **Health 12 (0957)**

**Credits: 1.25**

Grade Level: 12

Skill Level: Average

Prerequisites: NA

The senior level program stresses the responsibilities of the young adult including marriage and parenting. This program includes a continuation of HIV/AIDS education, substance abuse and other critical health issues.

### **Physical Education 9/10 (0930)**

**Credits: 1.25**

Grade Level: 9-10

Skill Level: Average

Prerequisites: NA

The physical education program engages students in enjoyable and health promoting activities designed to develop positive attitudes toward fitness, skill development and recreation. Physical fitness is primary and emphasized throughout the curriculum. Physical Fitness levels are measured by conducting a Physical Fitness Test, which is given as a Final Exam.

### **Physical Education 11/12 (0931)**

**Credits: 1.25**

Grade Level: 11-12

Skill Level: Average

Prerequisites: NA

The physical education program engages students in enjoyable and health promoting activities

designed to develop positive attitudes toward fitness, skill development and recreation. Physical fitness is primary and emphasized throughout the curriculum. Physical Fitness levels are measured by conducting a Physical Fitness Test that is given as a Final Exam.

## **Music**

### **Music Theory (0732)**

**Credits: 2.5**

Grade Level: 9-12

Skill Level: Beginner

Prerequisites: NA

Music Theory offers instruction in musicianship skills essential to develop into a serious music student. This course will provide complete and thorough training in all basic skills while stimulating and encouraging exploration of the creative process through composition of concert music.

### **Advanced Band (0731)**

**Credits: 5.0**

Grade Level: 9-12

Skill Level: Average

Prerequisites: Must have completed either Band 8 or Beginner's Band

This course is for students that have been playing a concert band instrument with at least one year of experience. The class will alternate between playing concert band repertoire and instrumental lessons. Student will perform in both the winter and spring concerts.

### **Jazz Band (0728)**

**Credits 5.0**

Grade Level: 9-12

Skill Level: Average

Prerequisites: Must receive a teacher recommendation and have completed Advanced Band. This requirement may be waived with special permission. An audition may be required.

This course is designed for students that have been playing a concert band instrument with at least two years of experience. Students will alternate between playing concert band repertoire and learning how to interpret jazz band repertoire. The students will engage in advanced jazz improvisation and will perform in both the winter and spring concerts.

### **Chorus (0724)**

**Credits: 5.0**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

Chorus is open to anyone with a willingness to sing, the ability to sing separate parts in tune, and the desire to grow musically. Students will learn about and sing many musical styles, learn how to properly use their voice and read and write music.

**Concert Chorus (0729)****Credits: 5.0**

Grade Level: 9-12

Skill Level: Advanced

Prerequisites: Must receive a teacher recommendation and may require audition.

The course will consist of a group of musically skilled students who have been placed through audition or placement by director.

## Fine Arts

### **Drawing and Painting 1 (0756)**

**Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

Through this course, students will continue to develop their own unique artistic personalities. A variety of approaches and techniques will be utilized. Projects will include: color harmonies, geometric abstraction, figure/life composition, and collage. Realistic, figurative, and abstract styles will be explored.

### **Drawing and Painting 2 (0759)**

**Credits: 5.0**

Grade Level: 10-12

Skill Level: Average

Prerequisites: Drawing and Painting 1

Students will heighten their creative impulses and develop a connection between themselves and their work. A variety of techniques will be explored and mastered during this course. Project work will include figure/life composition, landscape, color harmonies, and collage. Realistic, figurative, and abstract styles will be explored.

### **Sculpture (0757)**

**Credits 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

This course explores the concepts of space, form, and the function of art. Students will have the opportunity to explore all forms of three dimensional work including plaster, wood, metal, and pottery.

### **Printmaking (0758) – Even Years**

**Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

Students will experiment with numerous forms of printing including linoleum, wood and silk-screening. Students will explore the history of printing and etching. Projects will also include developing skill in textile design.

### **Introduction To Design (0760) - Odd Years**

**Credits: 2.5**

Grade Level: 11-12

Skill Level: Average

Prerequisites: NA

In this course students will learn color theory and explore two-dimensional design, including the study of the basic elements of art. Proficiency in painting and drawing skills will be developed through design experimentation.

**Ceramics (0762)****Credits: 2.5**

Grade Level: 11-12

Skill Level: Advanced

Prerequisite: NA

Students will experiment with numerous hand-building techniques.

**Advanced Placement Studio Art - Portfolio Development (0790)****Credits: 5.0**

Grade Level: 10-12

Skill Level: Advanced

Prerequisites: Must receive an art teacher recommendation. Admission to this course is based on a portfolio review and a desire to attend art school.

This course is specifically designed for the career minded student who is seeking admission to an art school. The entire course of study will be constructed in respect to the portfolio demands and scholarship requirements established by art and reflected through the student's creative needs and abilities. Visits by art school representatives, class critiques, sketchbook assignments, homework, and career guidance are a standard part of this course of study. AP Credit will be received upon portfolio review from the AP Board.

## Practical Arts

### **Foods 1 (0822)**

**Credits: 2.5**

Grade Level: 9-12

Skill Level: Beginners

Prerequisites: NA

The purpose of this entry-level foods course is to encourage an interest in the importance of good nutrition; strengthen decision making skills in the choice, storage and preparation of all types of foods; and to provide ways in which culinary skills and techniques may be developed.

### **Foods 2 (0228)**

**Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: C or better in Foods 1

This course is a continuation of Foods 1. It presents an in-depth analysis of advanced culinary techniques and encourages good management practices in the kitchen. The course also focuses on understanding the importance of good nutrition throughout the life cycle. This combined study provides the student with useful management techniques that will save time, energy, money, and food resources.

### **International Foods (0823) - Even Years**

**Credits: 2.5**

Grade Level: 10-12

Skill Level: Advanced

Prerequisites: Must earn a C or better in Foods 1

In this course students will begin to discover the history, culture, and customs that influence the cuisine of international countries. Traditional foods and preparation techniques will be studied while utilizing special equipment. French, Italian, Chinese, and German are just a few of the cuisines to be studied. This will give the students an opportunity to develop an appreciation of new and interesting foods.

### **Regional American Foods (0832) - Odd Years**

**Credits: 2.5**

Grade Level: 10-12

Skill Level: Average

Prerequisites: Must earn a C or better in Foods 1

Students will venture upon a food-related journey through six regions of the United States. Students will be able to identify and compare food patterns based on geographical, historical, and ethnic influences. Culinary skills will be developed through preparation of foods representative of the six regions.

**Clothing 1 (0830)****Credits: 2.5**

Grade Level: 9-12

Skill Level: Beginners

Prerequisites: NA

This course includes basic instruction in the use of the sewing machine, hand sewing techniques, simple clothing construction skills, textiles, consumer education and career exploration.

**Clothing 2 (0820)****Credits: 2.5**

Grade Level: 10-12

Skill Level: Average

Prerequisites: C or better in Clothing 1

This course is a continuation of Clothing 1, It includes instruction in the use of the sewing machine, hand sewing techniques, advanced clothing construction skills, textiles, consumer education and career exploration

## Technology

### **Photoshop (0002)**

**Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: Intro. To Computers

This course will cover the use of Adobe Photoshop. An emphasis will be placed on preparing and optimizing images for print. Image quality, retouching, paths, masks, layers, text and image effects.

### **Advanced Photoshop (0775)**

**Credits: 2.5**

Grade Level: 10-12

Skill Level: Advanced

Prerequisites: Photoshop

This project driven course will move beyond the basic tools and applications and focus on advanced skills that will bring out the artist in each student. Photo montage, photo retouching, vector effects, photo manipulations, digital painting, recording and playing actions and printing and packaging will be featured in this class.

### **Introduction to Graphic & Advertising Design (0628) Credits: 2.5**

Grade Level: 10-12

Skill Level: Advanced

Prerequisites: Photoshop

In this course students will learn design principles, digital photography, brainstorming, critical thinking, teamwork, visual problem solving, gridding, photo manipulation, and typography. Proficiency in Adobe Photoshop, Illustrator, and In Design will be developed throughout the course. Projects will include: tutorials, logo design, letterheads, restaurant menus, re-design magazine headers, magazine cover, index, and 2-2 page spreads.

### **Video Production (0631)**

**Credits: 2.5**

Grade Level: 9-12

Skill Level: Beginner

Prerequisites: Intro to Computers

This level one course will teach students learn the basics of scripting, filming, shot composition, interviewing, and editing. Students will produce four projects: a Commercial, a Process Story, a News Package and a Music Video/Movie Trailer. Additionally, there will be a unit that focuses on the growth of television from the mid 20<sup>th</sup> Century to the 21<sup>st</sup> Century. A majority of the class will consist of Project-Based and Group-Based projects.

**Broadcast Journalism (0650)****Credits: 5.0**

Grade Level: 10-12

Skill Level: Intermediate

Prerequisites: Must receive a teacher recommendation or earn a B or higher in Video Production

This level two course will take previously learned skills in Video Production and apply them to News Production. Students are expected to grow as News Journalists while improving their interviewing, scripting and filming skills. Everyone in the class will be expected to produce a News Package every 3-4 weeks. All video segments will be compiled into Monthly News Show highlighting Palisades Park High School.

**Advanced Television and Film Production (0651)****Credits: 5.0**

Grade Level: 10 – 12

Skill Level: Intermediate

Prerequisites: Must earn a B or higher in Video Production.

Students will explore the steps in the accounting cycle. Analyzing business transactions, understanding the rules for debit and credit, and journalizing entries is the main focus of the course. Students prepare documents for record keeping and learn how financial reports and statistics are used to make managerial decisions. Use of Excel is integrated into the class to stress the use of digital record keeping and calculation of information. Upon completion of the course students will gain a broad knowledge of how a business operates from a financial aspect. Successful accounting students will improve their attention to detail, organization skills, and problem solving ability.

**Sports Broadcasting (0652) – (Even Years)****Credits: 2.5**

Grade Level: 10-12

Skill Level: Intermediate

Prerequisites: Must receive a teacher recommendation or earn a B or higher in Video Production

This level two course will take previously learned skills in Video Production and apply them to Sports Journalism. Topics covered in the class include: Sport News Package Production, Live Event Coverage, Sport Show Production, and Sports Analysis. Students will be expected to produce a Sport New Package every 3-4 weeks to be included in the Monthly New Show.

**Web Page Design (0633)****Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisites: NA

In this course students will use Hyper Text Markup Language (HTML) to create web pages. Students will learn the basics of text manipulation, use of links, table and frames and proper design and implementation of electronic newsletters, personal and business web sites. In the second marking period, more advanced HTML-coding will be covered emphasizing tables, frames, audio, video, style sheets, JavaScript embedding and Adobe Photoshop will be used for image enhancement of student designed web sites.

**Advanced Web Page Design (0761)****Credits: 2.5**

Grade Level: 10-12

Skill Level: Advanced

Prerequisite: Web Page Design

This course will build upon the skills learned in Web Page Design I. Adobe Fireworks and Dreamweaver will be used for image enhancement, page layout and the creation of animations as students design their web sites. This course will be offered to students who completed the Introductory Web Design Course.

**Advanced Office Applications (0635)****Credits: 2.5**

Grade Level: 9-12

Skill Level: Average

Prerequisite: Intro. To Computers

Students will focus on the study of more advanced topics in Microsoft Office. This class will be an integration of computer applications and Entrepreneurship simulations. Using the Office applications students will create a business plan for an actual business.