Paterson Charter School for Science & Technology

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2018-2019

PROGRAM OF STUDIES

FOR GRADES 7-12

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* Note: Each of the electives aligns with the NJDOE Visual and Performing Art Standards.

** Note: Each of the Health/PE electives can only be taken once during student's high school career.

*** Note: Each of the electives aligns with the NJDOE 21st Century Life and Careers Standards.

Curriculum Developments at PCSST for 2018-2019

PCSST is building on a foundation of excellence and expanding the opportunities for students to become college and career ready. Each year the school has introduced more Advanced Placement and Honors courses to serve the academic demands of our students. PCSST has also maintained a core curriculum that will help all students meet and exceed the high school graduation requirements set by the state of New Jersey. That continues this year as well. PCSST students will have the opportunity to take Advanced Placement (AP) courses such as AP Physics, AP Psychology, AP Art History, and AP Music Theory, in addition to the other already established AP options such as AP Biology, AP Chemistry, AP Statistics, AP Calculus, AP Language Arts & Composition, AP Literature & Composition, AP US History, and AP World History. The rigorous curriculum of the AP program combined with our dual enrollment programs at Seton Hall University and Passaic County Community College offer students many opportunities to challenge themselves and reach high academic standards before even leaving high school.

In addition to AP courses, PCSST is continuing to offer Career & Technical Education, CTE, courses. The district has formed a partnership with Cisco to offer the Cisco Networking Academy, a series of technical classes students can pursue toward certification in Cisco Systems so they are job ready upon graduation from PCSST. We are planning on extending our CTE course offerings in the future.

PCSST has seen tremendous progress in student achievement. Outstanding growth has been demonstrated by the middle school students as they prepare for their journey into high school. PCSST students in many grade levels surpassed the state averages for the new PARCC assessment. In order to prepare students for success on

standardized tests used for college admission, PCSST students now have the opportunity to take PSAT, SAT & ACT classes.

The Science Technology Engineering and Math (STEM) courses implemented last year are helping students gain an understanding of and appreciation for the practical applications of science in their everyday lives. All products purchased have been touched in some way by science, technology and engineering even if only in the packaging. PCSST will continue to expand the STEM options so all students have knowledge of the practices that will impact their futures.

The Humanities are of equal importance in developing well-rounded students and thinkers. While focusing electives on the fundamental skills students need there are also a variety of offerings to inspire the imagination throughout the humanities. Courses in English Language Arts, Social Studies, and Fine Arts allow students to explore relevant social issues, examine current events, and analyze works of literature, art, and music in order to gain a greater understanding of the world we live in.

As students prepare their course selections for 2018-2019 they can use the Planning System at the end of this Program of Studies. It will guide them in making choices that will lead them to a career or field of interest for college. Careful attention should also be given to the Prerequisites and Graduation Requirements which indicate the required courses and best times to take those courses over the four year high school career.

Mr. Necmi Coskun

STEM Curriculum & Evaluation Director

Mrs. Amanda Leach

Humanities Curriculum & Evaluation Director

Fine Arts Department Courses

2018-2019

Today's world is immersed in art and technology. Visual imagery is everywhere and a powerful tool in the advertising world. The PCSST middle school program exposes students to a variety of media including drawing, painting and crafts. The high school program includes computer art and digital photography. Students are typically given a wide element of choice in selection of specific subjects within each medium.

A 07-2 COURSE: GRADE 7 GENERAL ART
Grade(s): 7

Description
Art 7 builds upon the skills learned in sixth grade. The students' focus is on enhancing their skills in drawing, painting, crafts, and designs. Art history is incorporated throughout the course within the lessons. The students will continue to develop their knowledge and skills in art criticism, aesthetics, and philosophy through class discussions and critiques.

A 08-2 COURSE: GRADE 8 GENERAL ART
Grade(s): 8

Description
Art 8 builds upon the skills students learned in seventh grade. They refine their skills in drawing, painting, and 3 dimensional projects. Art theory and appreciation is incorporated throughout the course. The students will further develop their knowledge and skills in art criticism, aesthetics, and philosophy.

M 07-2 COURSE: COMPUTER 7
Grade(s): 7

Description
Computer class at 7th grade level is designed to learn basic computer skills that will provide a good foundation for living and working in the information age. This course follows up on skills developed in Grade 6 with emphasis on internet safety, basic computer skills, problem solving, and cloud computing applications. Students will learn about Google office suits, such as Google Docs, Slides, Forms and Sheets, Web 2.0 tools including some multimedia applications and an understanding of hardware, software, and the Internet.

M 08-2 COURSE: COMPUTER 8
Grade(s): 8

Description
In 8th grade computer, using an easy to learn block based language, students will learn to create images, animations, and interactive video games that are driven by algebraic functions. Through the process of developing their video games, students will discover how computer programmers use the coordinate plane, algebraic functions, and logic to create the games that they love.

Algebra goes beyond just solving for x, 8th grade computer class goes beyond this writing code. Through learning to program, students will also practice problem decomposition, clear communication through documentation, testing their own functions against example cases and input/output tables, and much more.

VISUAL & PERFORMING ART REQUIREMENT: Students must take 5 credits in art or music courses during their four years of high school.
* Note: Each of the electives aligns with the NJDOE Visual and Performing Art Standards.

A 09-30 COURSE: FINE ARTS I*
Credits: 2.5
Grade(s): 9-12
Prerequisites: None

Description
This course gives students the opportunity to form a solid foundation for further study in the visual arts. Students will explore various art forms and techniques by utilizing a variety of media to create two-dimensional and three-dimensional works of art. Tests, textbooks, and written work will be used to reinforce all skills to be learned. Due to the nature of specialized art supplies and tools, art studio safety rules must be followed at all times.

A 10-31 COURSE: FINE ARTS II*
Credits: 2.5
Grade(s): 10-12
Prerequisites: Must have successfully completed Fine Arts I

Description
This course is designed for students who have successfully completed Fine Art I and want to continue exploring the artistic process. Students will address more complicated visual concepts of creative problem solving. They will develop an individual style and refine artistic techniques while they are working with various media to create two-dimensional

and three-dimensional works of art. Tests, quizzes, and written work will be used to reinforce all skills that are learned.

A 11-32 COURSE: FINE ART III*
Credits: 2.5
Grade(s): 11-12
Prerequisites: Must have successfully completed (grade of B or higher) Fine Arts II

Description
This course is designed for students who have successfully completed Fine Art II and want to continue exploring the art making process. Students will focus on high level projects which require critical thinking skills and refined techniques. This course consists of drawing, painting, sculpture, and mixed media composition.

A 11-27 COURSE: INTRO TO ART HISTORY*
Credits: 2.5
Grade(s): 10-12
Prerequisites: Must have successfully completed World History II

Description
In this course, students will learn how to analyze and respond to artwork and gain a better understanding of the main periods in art history. Students explore artworks in the light of their historical, social, and cultural contexts. This introductory course will teach students to compare and contrast the style characteristics of selected works as well as understand social and cultural connections.

A 10-22 COURSE: DIGITAL PHOTOGRAPHY I*
Credits: 2.5
Grade(s): 10-12
Prerequisites: Digital Camera and Photoshop I

Description
This course introduces students to fundamental concepts, principles, and practices of digital photography and image editing. Students will learn to use the Photoshop tools to manipulate digital images and design applications. The primary photo editing software used in this course will be Adobe Photoshop.

A COURSE: DIGITAL PHOTOGRAPHY II*
Credits: 2.5
Grade(s): 10-12
Prerequisites: Digital Photography I

Description

This course integrates students fundamental knowledge of digital photography with complex projects and critical thinking. Students will learn techniques, strategies and tools to manipulate digital images and design applications for printing production. Suggested Requirements: students should have their own digital camera.

A 09-23 COURSE: PHOTOSHOP I*

Credits: 2.5
Grade(s): 9-11
Prerequisites: None

Description

This course introduces students to the editing capabilities of Adobe Photoshop program and its expansive set of features. Lessons cover the basics of saving, storing, enhancing, manipulating, and editing image files. Students will use layers, adjustment layers, layer 11 effects, masks and filters to create special effects. Students will use paint tools, blending modes, and channels in the creation of their images.

A 09-25 COURSE: PHOTOSHOP II*

Credits: 2.5
Grade(s): 9-12
Prerequisites: Photoshop I

Description

In this course, students will build on the basics and learn more advanced techniques in throughout the Adobe Photoshop program. Students will develop an advanced knowledge of layers, channels, curves, image merging, color correction, and color matching in the Adobe Photoshop program. Scanning devices, file formats, and resolution levels are explored.

A 10-23 COURSE: GRAPHIC DESIGN I*

Credits: 2.5
Grade(s): 10-12
Prerequisites: Photoshop I

Description

This course will explore the basic concepts of graphic design. Utilizing the industry standard programs (Adobe Illustrator, Photoshop and In Design), students will learn design techniques such as effective use of color, typography in conjunction with production skills to create dynamic layouts. Some Course projects include development of a corporate identity (business cards, brochures, newsletters, etc.), an advertising campaign, and a portfolio of all final work.

A 10-26 COURSE: GRAPHIC DESIGN II*

Credits: 2.5
Grade(s): 11-12

Prerequisites: Graphic Design I

Description
This course builds off of the basics of client based design learned in graphic design I. This course offers a more intensive approach to graphic design in which students will design for both print and industrial purposes. Students will focus on advanced concepts of graphic design including layout, printing controls, and designing for web and print production.

A 11-21 COURSE: 3D DESIGN TECHNOLOGY*
Credits: 2.5
Grade(s): 11-12
Prerequisites: Basic knowledge of Geometry

Description
This course introduces students to fundamental concepts, principles, and practices of 3D digital design. Students are given instruction in 3D modeling techniques including: production of geometric and organic surfaces and forms using The Sketch Up program, polygon construction and sub-divisional surfaces. The primary 3D modeling and rendering software used in this course will be Google Sketch Up Pro. Students will have a complete digital portfolio of their work by completing this course.

A 11-22 COURSE: FASHION DESIGN TECHNOLOGY I*
Credits: 2.5
Grade(s): 10-12
Prerequisites: Fine Art I

Description
This course introduces students to fundamental concepts, principles, and practices of Fashion Design, Fashion Design History and digital imaging, original design. Students will learn to use the Photoshop and In Design tools to manipulate digital images for design applications. Students will create a portfolio with the original artwork.

A 10-25 COURSE: PRINTMAKING*
Credits: 2.5
Grade(s): 10-12
Prerequisites: Photoshop I or Fine Arts I

Description
This course will introduce students to the fine art medium of Printmaking. In this course, students will learn various forms of printmaking including wood cuts, lino-cuts, reduction prints, and block printing. Students will learn how to safely and correctly use various

printmaking tools such as brayers, inks, printing press, and veiner-cutters. Through exploration and implementation of the elements of design, students will produce original prints exploring various themes and subjects.

A 11-36 COURSE: PRINTMAKING II*

Credits: 2.5

Grade(s): 11-12

Prerequisites: Must have successfully completed Fine Art I & Printmaking I

Description

Advanced printmaking course for students who have taken Printmaking I and wish to expand their knowledge and skill set within the printmaking medium. In this course, students will focus on the history and process of printmaking techniques such as reduction prints, gelli prints, and dry point etching. Students will focus on combining processes learned in printmaking I in order to make multi layered prints that focus on an artistic theme and intent.

A 11AP-27 COURSE: ADVANCED PLACEMENT ART HISTORY*

Credits: 5

Grade(s): 10-12

Prerequisites: a Teacher Recommendation/ grade of B or higher in Art History

Description

In this course, students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. While visual analysis is a fundamental tool of the art historian, art history emphasizes understanding how and why works of art function in context, considering such issues as patronage, gender, and the functions and effects of works of art.

M 09-27 COURSE: COMPUTING FOR COLLEGE AND CAREERS***

Credits: 2.5

Grade(s): 9-12

Prerequisites: None

Description

This course is designed to provide a basic overview of current business and information systems and trends and to introduce students to the basics and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch

keyboarding and fundamental computer applications, so that they may be used as communication tools for enhancing personal and workplace proficiency in an information-based society. This also includes proficiency with computers using databases, spreadsheets, presentation applications, and the integration of these programs using software that meets industry standards. In this course, information technology career cluster, web and digital communication will be covered. Sample activities include: speed and accuracy in typing, business/personal letters, interoffice memorandum, reports, desktop publishing, Microsoft Office, resumes/cover letters, budgets and presentations. This course will focus on Web 2.0 tools and how to work with Google Docs and Forms 21st century career technical education.

M 10-23 COURSE: INTRODUCTION TO WEB DESIGN*

Credits: 2.5
Grade(s): 9-12
Prerequisites: Photoshop I recommended

Description

This course is designed to provide the necessary skills and training for an entry-level position in the field of Web Design. The class focuses on Web page planning, basic design, layout and construction, and setup and maintenance of a Website. HTML and, Dreamweaver are taught in the course. While extensive computer experience is not required, it is important to be able to type, and to be familiar with Windows, word processing, and the Internet. The course is self-paced allowing students to progress at their own speed. It is our hope that students will complete all of the objectives for the course; however, some of the advanced objectives may not be completed in a semester.

M STEM-01 COURSE: COMPUTER PROGRAMMING I

Credits: 5
Grade(s): 9-12
Prerequisites: Algebra I - Min. Grade - B

Description

Computer Programming I introduces students to programming in the JavaScript language and creating small applications (apps) that live on the web. This introduction places a heavy emphasis on understanding general principles of computer programming and revealing those things that are universally applicable to any programming language. Students will program in an online programming environment that has many features. Students will learn the fundamentals of programming while creating their own animations, graphics, and games for the web. The course begins with students solving problems, focusing on the power of procedural abstraction and personal expression with code. After learning some basics of programming, we transition to more event-driven apps, gradually blending in common user interface objects like buttons and text inputs, images and so on.

M STEM-02 COURSE: COMPUTER PROGRAMMING II

Credits: 2.5
Grade(s): 9-12
Prerequisites: Computer Programming I

Description

This course is designed for students who have successfully completed Computer Programming I and are interested in advancing their knowledge of the fundamentals of computer programming. It will stress higher-level programming techniques and higher-level algorithms. It will be taught using the JAVA Programming language.

More than ever our world is surrounded by music. The portability of today's electronic devices has made music more a part of everyone's life than ever before. The music program at PCSST includes the study of all facets of music. Students who follow the middle school sequence will be expected to read music as well as perform it in the course of their studies. The emphasis is on choral rather than instrumental music and by eighth grade students are expected to perform as a chorus. High school electives are available in choir and music appreciation which meet New Jersey's graduation requirement for fine art.

MU 07-1 COURSE: SEVENTH GRADE GENERAL MUSIC

Grade(s): 7

Description

General music includes the study of a cappella music, film music, and world music. Students are expected to perform as well as study music. The focus in seventh grade will be evoking emotion and being able to understand the rhythm of music.

MU 08-1 COURSE: EIGHTH GRADE GENERAL MUSIC

Grade(s): 8

Eighth Grade General Music includes the understanding of Basic Music Theory, different genres of music, and creating their own music/song. Students are expected to perform as well as study music. The eighth grade general music course will focus on creating and evaluating music.

VISUAL & PERFORMING ART REQUIREMENT: Students must take 5 credits in art or music courses during their four years of high school.

* Note: Each of the electives aligns with the NJDOE Visual and Performing Art Standards.

MU 09-21 COURSE: CHOIR I*
Credits: 5
Grade(s): 9-12
Prerequisites: None

Description
This course is for students who want to learn how to sing or who have experience singing. Beginners are welcome. Students will be able to read music at a proficient level after taking this course. Students will be expected to participate in school performances at least 2 times per year.

MU 10-22 Course: CHOIR II*
Credits: 5
Grade(s): 9-12
Prerequisites: Completion of Choir I or Music Theory and History and an audition

Description
This course is for students who want to continue to sing or participate in school performances. This program may be taken more than once for credit as students skills will build in subsequent years. Students will use their ability to read music and their vocal skills to perform at a proficient level. Students will be expected to participate in school performances at least 2 times per year.

MU 10-23 COURSE: CHOIR III*
Credits: 5
Grade(s): 9-12
Prerequisites: Completion of Choir II or Audition

Description
This course is for students who want to develop their performance abilities and perform in high school singing competitions. Performance in a variety of venues is expected.

MU 10-24 COURSE: CHOIR IV*
Credits: 5
Grade(s): 9-12
Prerequisites: Completion of Choir III and Audition

Description

This course is for students who want to refine their performance abilities and perform in Advanced Choir, Acapella Groups, and other high school singing competitions. Performance in a variety of venues is expected.

MU 09-23 COURSE: PIANO KEYBOARDING*
Credits: 2.5
Grade(s): 9-12
Prerequisites: None

Description
Introductory keyboarding is for high school students with little or no prior keyboard study. Students will experience opportunities for growth in the understanding of musical elements (rhythm, melody, form, harmony, expressive elements, and style). The class will include an introduction to music theory skills, harmonization, sight reading, improvisation, and basic keyboard repertoire. This course will also develop a working knowledge of how to read, write, and analyze music. Students will utilize various resources to explore a variety of mediums including rhythmic, melodic, harmonic, instrumental, vocal, sacred, and secular music.

MU 09-24 COURSE: MUSIC TECHNOLOGY*
Credits: 2.5
Grade(s): 9-12
Prerequisites:Piano Keyboarding

Description
This course provides students with the resources and fundamentals necessary to create music. Students will utilize applications on their iPads to explore a variety of mediums such as rhythmic, melodic, harmonic, improvisation, Garageband, and film music.

MU 09-27 COURSE: MUSIC THEORY & HISTORY*
Credits: 2.5
Grade(s): 9-12
Prerequisites: iPad use

Description
This course is for students to develop a working knowledge of how to read, write, analyze and create music as well as the development of music. Students will utilize various resources to explore a variety of mediums including rhythmic, melodic, harmonic, instrumental, vocal, sacred, and secular music.

MU 11AP-24 COURSE: ADVANCED PLACEMENT MUSIC THEORY*
Credits: 5
Grade(s): 11-12
Prerequisites: Students should be able to read and write musical notation, and it is strongly recommended that the student has acquired at least basic performance skills in voice or on an instrument.

Description
The AP Music Theory course corresponds to two semesters of a typical introductory college music theory course that covers topics such as musicianship, theory, musical materials, and procedures. Musicianship skills including dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of music that are heard or presented in a score. Development of aural skills is a primary objective. Performance is also part of the learning process. Students understand basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized.

COURSE: CISCO INTRODUCTION TO INTERNET OF THINGS (IoT)
Credit: 2.5
Grade: 9
Prerequisites: Students should be proficient at 8th grade PARCC Math.

Description
The Introduction to IoT course provides an overview of key concepts and challenges related to digital transformation. The course examines the evolution of the Internet and how the interconnection of people, processes, data, and things is transforming every industry.

COURSE: CISCO CYBER SECURITY & PACKET TRACER
Credit: 2.5
Grade: 9
Prerequisites:

Description
Module 1: Introduction to Cyber Security
The Introduction to Cybersecurity course explores the broad topic of cybersecurity in a way that matters to you. Learn how to protect your personal data and privacy online and

in social media, and why more and more IT jobs require cybersecurity awareness and understanding.

Module 2: Packet Tracer Know How
The Introduction to Packet Tracer course is designed for beginners with no prior networking knowledge. The self-paced course teaches the basic operations of Cisco Packet Tracer, the robust simulation tool used to visualize networks. Multiple hands-on activities focus on everyday examples including networking and Internet of Things (IoT) exposing learners to important concepts while at the same time reinforcing learnings. Whether you want to develop networking knowledge or you plan to take one of the Networking Academy courses that use Packet Tracer, you'll find Introduction to Packet Tracer provides valuable tips and best practices for using Cisco Packet Tracer.

COURSE: CISCO IoT FUNDAMENTALS
Credit:
Grade: 10
Prerequisites:

Description
Module 1: Connecting Things
Connecting Things focuses on identifying, designing, prototyping, and presenting an IoT solution that securely solves a current business or social problem. It is recommended that you have a basic understanding of how to network devices in a LAN and connect them to the internet; an ability to solve basic algorithmic problems using a programming language; knowledge of basic physics concepts such as current, voltage, resistance, and power; and a familiarity with Cisco Packet Tracer.

Module 2: The Big Data & Analytics
The Big Data & Analytics course builds on Connecting Things, teaching you how to collect, store, and visualize data obtained from IoT sensors. You'll develop the ability to extract data and use data analytics to gain insights, an extremely valuable skill to employers. It is recommended that you have experience writing and debugging Python code

Module 3: Hackathon
In the hackathon, Students will apply the multidisciplinary skills learned in Connecting Things and Big Data & Analytics to identify and solve a real-world problem.

COURSE: NETWORKING ESSENTIALS
Credit:
Grade: 10
Prerequisites:

Description

Networking Essentials covers basic networking concepts within the context of the networks you encounter every day. In this 70-hour course, students will develop hands-on networking skills and understand the role networks play in our lives. This course introduces students to networking careers and prepares them for further study.

Students in grades 9-11 should not be enrolled in more than one Art / Music / Technology course in the same semester.

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We believe that physical education is that phase of the school experience planned to promote an individual's health and skill-related fitness development through the participation in physical activities. The program and associated experiences are planned with special consideration for the needs of individuals as well as members of a social group. We believe the health of each individual is dependent on the establishment of understandings and habits, which prepares all students to actively and effectively achieve and promote lifelong wellness. The physical education program introduces and reinforces for each individual the resources, knowledge, and skills to enable them to effectively utilize their leisure time and, if necessary, develop a personal fitness program for future needs.

Our program combines the introduction and enjoyable participation in a wide variety of sports-related activities that help students develop the knowledge, attitudes, motor skills, behavioral skills, and confidence needed to adopt and maintain physically active lifestyles. The planned and sequential physical education curriculum will emphasize knowledge about the benefits of physical activity and the recommended amounts and types of physical activity needed to promote health. The sequence will allow students to attain the required 16 credits for graduation.

We will provide for opportunities for physical activities that:

- Are appropriate and enjoyable for students of all skill levels and are not limited to competitive sports.
- Appeal to females and males, and students from diverse backgrounds.
- Can serve as a foundation for activities throughout life.
- Are offered on a daily basis.

During our Health Education component, as we consider the well-being of our adolescent population, the situation becomes even more serious. They have the opportunity to live longer, healthier lives than earlier generations because of better nutrition, improved sanitation, the widespread use of vaccines and antibiotics, and highly sophisticated surgical techniques. Yet the rate of adolescent mortality is far too high. Accidents (frequently related to substance abuse), suicides, and homicides account for about 80 percent of all deaths among teenagers. The highest rate of increase in sexually transmitted diseases occurs in this population. Undoubtedly, lives can be saved and be of higher quality if behaviors that promote health are chosen.

The importance of health education has never been greater. Knowledge gained in health education affects attitudes and, consequently, behavior. Students learn that their decisions affect all of the areas of health. They discover that the decisions they make can promote their health and their enjoyment of life now and in the future.

HP 07-1 COURSE: HEALTH AND PHYSICAL EDUCATION
Grade(s): 7
Prerequisites: Students must have passed Grade 6 Health/PE Program

Description
Students gain knowledge and skills in a variety of individual, dual, and team sports/activities to develop competencies to promote an active lifestyle. Students begin to apply personal fitness planning concepts to individualized plans. One quarter of the course includes instruction in the health education topics of Nutrition, Growth and Development, Diseases and Health Conditions, Alcohol, Tobacco and other Drugs, Dependency/Addiction and Treatment, Medicines, Safety, Emotional and Social Health, Communicable and Non-communicable diseases

HP 08-1 COURSE: HEALTH AND PHYSICAL EDUCATION
Grade(s): 8
Prerequisites: Students must have passed Grade 7 Health/PE Program

Description
Students gain knowledge and skills in a variety of individual, dual, and team sports/activities to develop competencies to promote an active lifestyle. Students begin to apply personal fitness planning concepts to individualized plans. One quarter of the course includes instruction in the health education topics of Peer Pressure and Conflict Resolution, Puberty, Nutrition, Alcohol, Tobacco and other Drugs, Physical Fitness, Growth and Development, Diseases and Health Conditions, Safety, Dependency/Addiction and Treatment

HP 09-11 COURSE: HEALTH AND PHYSICAL EDUCATION
Credits: 4
Grade(s): 9
Prerequisites: Students must have passed Grade 8 Health/PE Program

Description
Students gain knowledge and skills in a variety of individual, dual, and team sports/activities to develop competencies to promote an active lifestyle. Students begin to apply personal fitness planning concepts to individualized plans. One quarter of the course includes instruction in the health education topics of Growth and Development, STI's and STD's, Drugs and Alcohol, Nutrition and Fitness, Growth and Development, Nutrition, Medicines, Communicable and Non-communicable Diseases, Alcohol, Tobacco and other Drugs

HP 10-11 COURSE: HEALTH AND PHYSICAL EDUCATION
Credits: 4
Grade(s): 10
Prerequisites: Students must have passed Grade 9 Health/PE Program

Description
Students gain knowledge and skills in a variety of individual, dual, and team sports/activities to develop competencies to promote an active lifestyle. Students begin to apply personal fitness planning concepts to individualized plans. One quarter of the course includes instruction in the health education topics of Assessing and Managing Risk, Knowing Yourself, Handling Social Pressures, The Basics of Signs, Signals and Pavement Marking, Rules of the Road, Getting to Know the Vehicle, Starting, Steering, and Stopping, Basic Driving Skills, Turning and Parking, Driving Environments, Natural Laws and Driving, Sharing the Road, Light and Weather Conditions, Preparing for the State Driving Test

HP 11-11 COURSE: HEALTH AND PHYSICAL EDUCATION
Credits: 4
Grade(s): 11
Prerequisites: Students must have passed Grade 10 Health/PE Program

Description
Students gain knowledge and skills in a variety of individual, dual, and team sports/activities to develop competencies to promote an active lifestyle. Students begin to apply personal fitness planning concepts to individualized plans. One quarter of the course includes instruction in the health education topics of Rescue Breathing, First Aid, Health Care, Sexually Transmitted Diseases (STD), Alcohol and Drugs, Nutrition and Fitness, Alcohol, Tobacco and other Drugs, Dependency/Addiction and Treatment, Emotional and Social Health

HP 12-11 COURSE: HEALTH AND PHYSICAL EDUCATION
Credits: 4
Grade(s): 12
Prerequisites: Students must have passed Grade 11 Health/PE Program

Description
Students gain knowledge and skills in a variety of individual, dual, and team sports/activities to develop competencies to promote an active lifestyle. Students begin to apply personal fitness planning concepts to individualized plans. One quarter of the course includes instruction in the health education topics of Fertilization/Pregnancy/Childbirth, Human Immunodeficiency Virus/Acquired Immune Deficiency Syndrome (HIV/AIDS), Rehabilitation/Prevention Programs, Mental Illness, Suicide, First Aid, Decision Making, Character Education, Alcohol, Tobacco and other Drugs.

** Note: Each of the Health/PE electives can only be taken once during student's high school career.

HP 09-26 COURSE: WEIGHT TRAINING**
Credits: 2.5
Grade(s): 12
Prerequisites: This class will be treated like an Honors course and will require a signature of a PE Staff member to be admitted into this elective.

Description
This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning. Course includes both lecture, keeping a log and participation activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

HP 09-22 COURSE: SELF DEFENSE*
Credits: 2.5
Grade(s): 12
Prerequisites: This class will be treated like an Honors course and will require a signature of a PE Staff member to be admitted into this elective.

Description
During this half-year long elective course, students will be introduced to the basic techniques of striking and grappling. Students will learn basic punching and kicking combinations that will improve speed and hand eye coordination. Students will also cover wrestling and jiu-jitsu techniques. Students will improve their overall fitness level while learning how to defend themselves. Students will also learn about famous participants and all the rules involved in various combat sports through research projects, lectures, and group work.

HP 09-24 COURSE: FITNESS AND AEROBICS*
Credits: 2.5
Grade(s): 12
Prerequisites: This class will be treated like an Honors course and will require a signature of a PE Staff member to be admitted into this elective.

Description
In Fitness and Aerobics, students will be given the opportunity to take part in a variety of exercise routines, with the goal of lifetime appreciation for physical activity. Students are taught the basics of exercising both with and without weights. It is recommended that

students who wish to take this course have a specific goal in mind – whether to lose weight, gain muscular strength, or get in better overall condition. Students are advised that this class will be more intense than their typical Physical Education class and grades will be based on effort and participation – not skill level. There will be some classroom sessions but this is mainly an activity class.

Language Arts Department Courses

2018-2019

The Language Arts Program at PCSST emphasizes the Common Core literacy standards of: reading literature, reading informational text, foundations skills, writing, speaking and listening. In addition, continuous emphasis is placed on preparation for the critically important PARCC middle school assessments and the PARCC HS Assessments. In preparation for these assessments students take several practice tests. The honors Language Arts program is in place and has begun AP in 2013.

REQUIRED COURSES

LA 07-1 COURSE: GRADE 7 LANGUAGE ARTS
Grade(s): 7

Description

This course provides students with a framework to meet the Common Core Curriculum Literacy Standards. Students learn grammar, spelling, vocabulary, and other skills within the contexts of meaningful reading, speaking, writing, listening, and viewing experiences. Drawing from an extensive list of traditional and young adult titles in classroom, school such as: The Outsiders, Number the Stars, Night and The Miracle Worker, students engage in strategies that promote the independent reading of assigned and self-selected works (novels, short story and poetry, plays, and works of non-fiction). Students will begin to develop a sophisticated portfolio of writing including expository, persuasive and narrative. Students will be prepared for PARCC.

LA 08-1 COURSE: GRADE 8 LANGUAGE ARTS
Grade(s): 8

Description

This course provides students with a framework to meet the Common Core Curriculum Literacy Standards. Students learn grammar, spelling, vocabulary, and other skills within the contexts of meaningful reading, speaking, writing, listening, and viewing experiences. Students read and respond in writing and through discussion to various fiction and non-fiction selected works such as: Fahrenheit 451, An Island Like You, A Raisin in the Sun and Julius Caesar. A major component of the 8th grade English program includes self-selected independent reading. Students will continue to develop a sophisticated portfolio of writing including expository, persuasive and narrative. Students will be prepared for PARCC. Grammar and vocabulary are also learned and practiced in meaningful contexts.

LA 08-H1 COURSE: GRADE 8 HONORS LANGUAGE ARTS
Grade(s): 8
Prerequisite: Teacher recommendation

Description
This course is a class designed to push students to a higher level of reading and writing based on the Common Core Curriculum framework while preparing students for the language Arts sections of PARCC and the SAT. Students learn grammar, spelling, vocabulary, and other skills within the contexts of meaningful reading, speaking, writing, listening, and viewing experiences. Students read and respond in writing and through discussion to various fiction and non-fiction selected works such as: Fahrenheit 451, An Island Like You, A Raisin in the Sun and Julius Caesar. A major component of the 8th grade English program includes self-selected independent reading. Students will continue to develop a sophisticated portfolio of writing including expository, persuasive and narrative. Grammar and vocabulary are also learned and practiced in meaningful contexts.

LA 09-11 COURSE: ENGLISH I
Credits: 5
Grade(s): 9
Prerequisites: None

Description
This course provides students with a framework to meet the Common Core Curriculum Literacy Standards. In this course students will write for a variety of purposes, including persuasive writing, expository writing, and synthesis analytical writing. Instruction for this course also emphasizes building students' stamina as readers. Students will develop a greater affinity for reading through their reading and analysis of required texts such as: The Odyssey, To Kill a Mockingbird, Lord of the Flies, and Oedipus, and their opportunities for self-selecting independent reading books. Students will also think critically and be able to express understandings concerning fiction and non-fiction texts and visual media. Grammar and vocabulary are also learned and practiced in meaningful contexts.

LA 09H-11 COURSE: HONORS ENGLISH I
Credits: 5
Grade(s): 9
Prerequisites: Proficient Level on PARCC 8 and/or Teacher Recommendation and Passed 8th grade English with a B+ or higher or 8th grade English Honors with a B or higher

Description
This course is a class designed to push students to a higher level of reading and writing based on the Common Core Curriculum framework while preparing students for the Language Arts sections of the PARCC and SAT. Students will learn from more challenging texts and be held to a higher standard than the regular 9th grade English class. Honors students are expected to continue with the rigorous honors track in order to be eligible for AP English classes their junior and senior years. Students will read a variety of genres and they

will write for different purposes that include narratives, expository writing, literary responses, research papers and projects. In order to be eligible to be placed in the Honors Grade 9 English class, a student must meet required criteria.

LA 10-11 COURSE: ENGLISH II
Credits: 5
Grade(s): 10
Prerequisites: Students must have passed English I

Description
This course provides students with a framework to meet the Common Core Curriculum Literacy Standards. This course is devoted to the development of students as sophisticated readers and writers, able to think critically and to express their understandings of a variety of texts such as, Hamlet, The Catcher in the Rye, The Joy Luck Club, and Antigone, and visual media. Instruction also emphasizes public speaking and listening skills. Students will read a variety of genres and they will write for different purposes that include narratives, expository writing, literary essays, research papers, and projects. Grammar and vocabulary are also learned and practiced in meaningful contexts.

LA 10H-12 COURSE: HONORS ENGLISH II
Credits: 5
Grade(s): 10
Prerequisites: Proficient Level on PARCC 9 and/or Teacher Recommendation and
Passed English I with a B+ or higher or English I Honors with a B or higher

Description
This course is a class designed to push students to a higher level of reading and writing capability while preparing each student for the language arts sections of the PARCC and SAT Exam. Students will learn from a more challenging text and be held to a higher standard than the regular 10th Grade English classes. In order to be eligible to be placed in the Honors English Class, a student must meet the required criteria. Students will read a variety of genres and they will write for different purposes that include narratives, expository writing, literary essays, research papers, and projects. Grammar and vocabulary are also learned and practiced in meaningful contexts.

LA 11-11 COURSE: ENGLISH III
Credits: 5
Grade(s): 11
Prerequisites: Students must have passed English II

Description
This course provides students with a framework to meet the Common Core Curriculum Literacy Standards. This course is devoted to the study of American literature. Students

will further their development as sophisticated readers and writers, able to think critically and to express their understandings of a variety of texts including: Death of a Salesman, The Great Gatsby, The Adventures of Huckleberry Finn and The Crucible and visual media. Instruction also emphasizes public speaking and listening skills. Students will read a variety of genres and they will write for different purposes that include narratives, expository writing, literary essays, research papers, and projects. Grammar and vocabulary are also learned and practiced in meaningful contexts.

LA 11H-11 COURSE: HONORS ENGLISH III
Credits: 5
Grade(s): 11
Prerequisites: Proficient Level on PARCC 10 and/or Teacher Recommendation and Passed English II with a B+ or higher or English II Honors with a B or higher

Description
This course is a class designed to push students to a higher level of reading and writing capability while preparing each student for the language arts sections of the PARCC and the SAT Exam. Students will learn from a more challenging text and be held to a higher standard than the regular 11th Grade English classes. In order to be eligible to be placed in the Honors English Class, a student must meet the required criteria. Students will read a variety of genres and they will write for different purposes that include narratives, expository writing, literary essays, research papers, and projects. Grammar and vocabulary are also learned and practiced in meaningful contexts.

LA 12-01 COURSE: ENGLISH IV
Credits: 5
Grade(s): 12
Prerequisites: Must pass English III

Description
This course provides students with a framework to meet the Common Core Curriculum Literacy Standards. This course has incorporated representative examples of literature, philosophy, architecture, art, music, and drama from around the world and has the students examine these in an effort to relate to their own cultural heritage. Texts include Macbeth, The Kite Runner by Khaled Hosseini, The Brief Wondrous Life of Oscar Wao by Junot Diaz and Americanah by Chimamanda Ngozi Adichie. Instruction also emphasizes public speaking and listening skills. Students will read a variety of genres and they will write for different purposes that include narratives, expository writing, literary essays, research papers, and projects. Students will also create presentations and dramatizations inspired by their studies. Grammar and vocabulary are also learned and practiced in meaningful contexts.

LA 12H-11 COURSE: HONORS ENGLISH IV
Credits: 5
Grade(s): 12

Prerequisites: Proficient Level on PARCC 11 and/or Teacher Recommendation and Passed English III with a B+ or higher or English III Honors with a B or higher

Description

This course is a class designed to push students to a higher level or critical reading writing capability while preparing each student for college level English. Students will learn from more challenging texts and be held to a higher standard than the regular English IV class. In order to be placed in the Honors English class, a student must meet the required criteria. Students will read a variety of genres and they will also write for different purposes that include personal statements, literary responses, research papers, and projects. Grammar and vocabulary are also learned and practiced in meaningful contexts.

LA AP-22 COURSE: ADVANCED PLACEMENT LANGUAGE AND COMPOSITION

Credits: 5
Grade(s): 11
Prerequisites: Proficient Level on PARCC 10 and/or Teacher Recommendation and Passed English II Honors with a B+ or higher or Passed English II with an A

Description

This course engages students in becoming skilled readers of non-fiction prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading will make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

LA AP-11 COURSE: ADVANCED PLACEMENT LITERATURE AND COMPOSITION

Credits: 5
Grade(s): 12
Prerequisites: Proficient Level on PARCC 11 and/or Teacher Recommendation and Passed English III Honors with a B+ or higher or Passed English III with an A

Description

This course is designated for motivated students with a command of standard English, an interest in exploring and analyzing challenging classical and contemporary literature, and a desire to analyze and interpret dominant literary genres and themes. Students learn and apply methods of literary analysis and write with a variety of purposes to increase precision in expression. Students in AP English Literature and Composition typically sit for the national AP examination administered each May for the College Board by the Educational Testing Service. The course is designed to be challenging, however many students go on to perform well in college English course as a result of the experience with high school AP English class.

ELECTIVE COURSES

Note: Students with low NJASK or PARCC scores will be required to take courses: LA 9-23, LA 10-27, LA 11-22.

*** Note: Each of the electives aligns with the NJDOE 21st Century Life and Careers Standards.

LA 10-23 COURSE: PUBLIC SPEAKING
Credits: 2.5
Grade(s): 10-12
Prerequisites: Students must have passed English I

Description
In public speaking, students will learn the proper way to present formal speeches. They will learn to express themselves clearly and convincingly to help them write and make oral presentations in other classes. Speeches will include an introductory speech, a hero/role model speech, a personal improvement speech, a persuasive speech and a motivational speech. In addition to the formal speeches, there is a unit teaching the job interview process culminating in a mock job interview where students will strive for a career of their choice.

LA 10-22 COURSE: DRAMATIC ARTS
Credits: 2.5
Grade(s): 10-12
Prerequisites: Students must have passed English I

Description
In the dramatic arts course, students will learn about the art of acting. They will study improvisation, pantomime, voice and diction, and act out full scenes. Students will participate in various performing activities during the course and present several organized scenes to their classmates.Students will end the course with a school-wide performance.

LA COURSE: ADVANCED DRAMATIC ARTS
Credits: 2.5
Grades 10-12
Prerequisite: Students must have passed Dramatic Arts.

Description
In the advanced dramatic arts course, students will learn about the art of acting as well as the art of script writing. They will study improvisation, pantomime, voice and diction, and act out full scenes. Students will participate in various performing activities during the course and present several organized scenes to their classmates. The final will

include participating in the school wide play. Students will also write, create and perform their own plays. Peer evaluations and performances are key aspects of this class.

LA 10-24 COURSE: WOMEN'S LITERATURE
Credits: 2.5 (one semester)
Grade(s): 10-12
Prerequisites: Students must have passed English I

Description
This course will expose students to a wide variety of women's literature in its historical context, with an emphasis on shifting gender roles. Readings will represent the traditional limitations that created boundaries for women in general and female authors in particular. However, other selections will emphasize strong female protagonists, and the authors who succeeded in expressing their unique voices and visions. Contemporary women's issues will also be highlighted through the reading of modern fiction and the completion of a research project. In addition to this research project, writing assignments will include literary analysis, personal reflection, and creative expression.

LA 10-25 COURSE: CREATIVE WRITING
Credits: 2.5
Grade(s): 10-11
Prerequisites: Must have passed English I

Description
In Creative Writing, students will learn that writing for pleasure can be an end in itself, whether the finished piece is a poem, a story, the genesis of a novel, or piece of dramatic art. The course will demonstrate how creativity has its place in more formal pieces of writing as well, and that creativity can bring life to finished assignments that seemed otherwise dull upon starting. Students will keep a Personal Writing Journal with their observations and ideas, as well as respond to assigned pieces and prompts from the teacher. In addition, students will focus on specific elements which make writing better and more interesting. Students will create inspirational and motivational written pieces and even focus on music as a style of writing that is also described as such.

LA 10-29 COURSE: COMPOSITION THROUGH ARGUMENT
Credits: 2.5
Grade(s): 10
Prerequisites: Proficient Level on PARCC 9 or 10 and/or Teacher Recommendation and Passed English I or II with a B+ or higher or English II Honors with a B or higher.

Description
Composition through Argument is designed to give writers the tools to write effectively for school and life. Throughout the course, emphasis is placed on the principle that effective writing achieves its purpose. Students will identify characteristics of effective

writing. Students will identify different purposes for writing and learn strategies to achieve those purposes, particularly through argument and evidence. The course further addresses the writing process through in-depth instruction on prewriting and revision. Along with this, the course explains writing context and issues of audience and intended audience. Students will learn how to achieve purpose through style, form, and rhetorical mode. In the last part of the course, students will evaluate their own work through the lenses of reader expectations and constructive criticism.

LA 10-26 COURSE: ETHNIC LITERATURE
Credits: 2.5
Grade(s): 10-11
Prerequisites: Must have passed English I

Description
In this course students will have an opportunity to learn about their own culture and the culture of others. Through multicultural literature students will read about and discuss the issue of poverty, prejudice, race, and ethnic pride. The main theme of this course is tolerance and diversity and the readings and activities will challenge students to think about the misconceptions and stereotypes related to various cultures.

LA 09-31 COURSE: PSAT LANGUAGE ARTS
Credits: 2.5
Grade(s): 9-10
Description
In this course students will develop vocabulary, reading and writing skills essential for high performance on the SAT. Offered in the Spring Semester.

LA 11-32 COURSE: SAT/ACT PREP
Credits: 2.5
Grade(s): 11-12
Description
The SAT/ACT Prep class is designed to familiarize students with the tests required for admission by many universities. Students will develop vocabulary, reading and writing skills essential for high performance on these standardized tests. Additionally, students will learn test-taking strategies, review English, content, take practice tests and discover ways to reduce test anxiety.

LA 09-23 COURSE: STRATEGIC READING AND WRITING 9
Credits: 2.5
Grade(s): 9
Prerequisites: Standardized tests scores (PARCC) below average and/or Teacher Recommendation

Description
This course is designed for ninth graders to build a basic and lasting foundation for the

study of language arts; including improving fluency, reading comprehension, developing grammar skills necessary for proper written communication. Students will also work on improving written communication and expression by exploring the writing process. This course offers a pre and post assessment in order to measure academic growth.

LA 10-27 COURSE: STRATEGIC READING AND WRITING 10

Credits: 2.5
Grade(s): 10
Prerequisites: Standardized tests scores (PARCC) below average and/or Teacher Recommendation

Description

This course is designed for tenth graders to build a basic and lasting foundation for the study of language arts; including improving fluency, reading comprehension, developing grammar skills necessary for proper written communication. Students will also work on improving written communication and expression by exploring the writing process. This course offers a pre and post assessment in order to measure academic growth.

LA COURSE: INTRO TO COMPOSITION

Credits 2.5

Grades 10-12

Prerequisite: Teacher Recommendation. SRW 9 or 10 recommended.

Description

Students will review and practice the 3 writing styles of the PARCC; narrative, research and analysis with an emphasis on college preparation.

LA 09-28 COURSE: RESEARCH AND SOCIAL ISSUES IN THE DIGITAL AGE***

Credits: 2.5
Grade(s): 10-12
Prerequisites: Must have passed English I and Digital Literacy

Description

Research and Social Issues in the Digital Age will be co-taught by a member of the Science and English Departments. In this course students will collaborate in order to conduct research around contemporary social issues. Through this course students will become effective researchers, through exploring the web-based resources available on relevant social issues of today. The class will work together to identify relevant issues affecting society today, conduct searches, gather information from a variety of online resources, test the validity of online resources, organize and synthesize their findings, and create a final project that contributes to the body of knowledge gained in the class. Students will also use new methods of technology such as blogs, podcasting, wiki's, etc. to present learned material. Upon completion of this class students will have a better

understanding of contemporary issues, be able to conduct and present research at the college level and perform several technological applications.

LA 09-29 COURSE: DIGITAL LITERACY***
Credits: 2.5
Grade(s): 9-12
Prerequisites: Expected knowledge of Office Suite or comparable programs.

Description
Digital Literacy is a course meant to prepare students for 21st century learning. 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. Below are some of the programs that will be utilized in our course: Microsoft Word, Microsoft PowerPoint, Microsoft Publisher, Microsoft Excel, Google Sites, Blogging, Forums, and Networking.

LA 11-29 COURSE: JOURNALISM-NEWSPAPER
Credits: 5
Grade(s): 11-12
Prerequisites: Students must have passed English II or III with a B or higher. Knowledge of computer graphic applications needed. Passing Digital Literacy and Research and Social Issues in the Digital Age is preferred.

Description
Publications is designed to produce a monthly school newspaper . In this entry-level journalism course, students study the principles of journalism and learn basic reporting and news writing techniques. Students also learn design skills and assist in producing the school newspaper. Each student will produce copy assignments, including news articles, short features, depth features, and editorials. Students will serve as editors and will earn grades based upon the performance of their editorial duties as well as upon class-work. Student editors should be willing to work before and after school and during study halls for several additional hours per month. To excel in this course, students must be production-oriented and willing to assume leadership roles. Requirements for all members of the class will include occasional work outside class, after school, before school, or during study halls.

LA 11-31 COURSE: LITERATURE THROUGH FILM
Credits: 2.5
Grades: 10-12
Prerequisites: Must have passed English I

Description
This course will prepare students for the collegiate study of thematic issues in both literature and film. Students will analyze film as literature, analyzing themes apparent in both developing skills in reading and writing, as well as, cinematic studies. Through this course, students will develop literary, verbal and visual analysis skills using Socratic Seminars, written critiques and oral presentations. Students will leave this course with a greater understanding of film's historical significance, its language, technique, are and effects upon our personal lives and public world.

LA_S 9 COURSE: ASSESSMENT PREP 9

Credits: 5
Grade(s): 9
Prerequisites: Standardized tests scores (PARCC) below average and/or Teacher Recommendation

Description
This course will prepare students for achievement on English language arts standardized tests, allowing them to learn the skills needed to pass and achieve highly on these measurements of performance. This class will center on preparation for college and career, making sure each student is provided with the tools needed for graduation, college and beyond. Grading will be on a Pass/Fail basis. After PARCC practice in January, student who are proficient will be removed from the course.

LA_S 10 COURSE: ASSESSMENT PREP 10

Credits: 5
Grade(s): 10
Prerequisites: Standardized tests scores (PARCC) below average and/or Teacher Recommendation

Description
This course will prepare students for achievement on English language arts standardized tests, allowing them to learn the skills needed to pass and achieve highly on these measurements of performance. This class will center on preparation for college and career, making sure each student is provided with the tools needed for graduation, college and beyond. Grading will be on a Pass/Fail basis. After PARCC practice in January, student who are proficient will be removed from the course.

LA_S 11 COURSE: ASSESSMENT PREP 11
Credits: 5
Grade(s): 11
Prerequisites: Standardized tests scores (PARCC) below average and/or Teacher Recommendation

Description

This course will prepare students for achievement on English language arts standardized tests, allowing them to learn the skills needed to pass and achieve highly on these measurements of performance. This class will center on preparation for college and career, making sure each student is provided with the tools needed for graduation, college and beyond. Grading will be on a Pass/Fail basis. After PARCC practice in January, student who are proficient will be removed from the course.

LA COURSE: SCI-FI/FANTASY

Credits: 2.5
Grades: 10-12
Prerequisite: Passed English I

Description

The course will focus on science fiction and fantasy as genres melding literary art, scientific and philosophical speculation, and the evocation of the peculiar emotion often characterized as the "sense of wonder." Spaceships, swords, aliens, enchanters, the far future, the imagined past—these among others are the elements of science fiction and fantasy, which make up some of the most popular stories of our time. In addition, we'll examine the composition of science fiction and fantasy from a writer's standpoint.

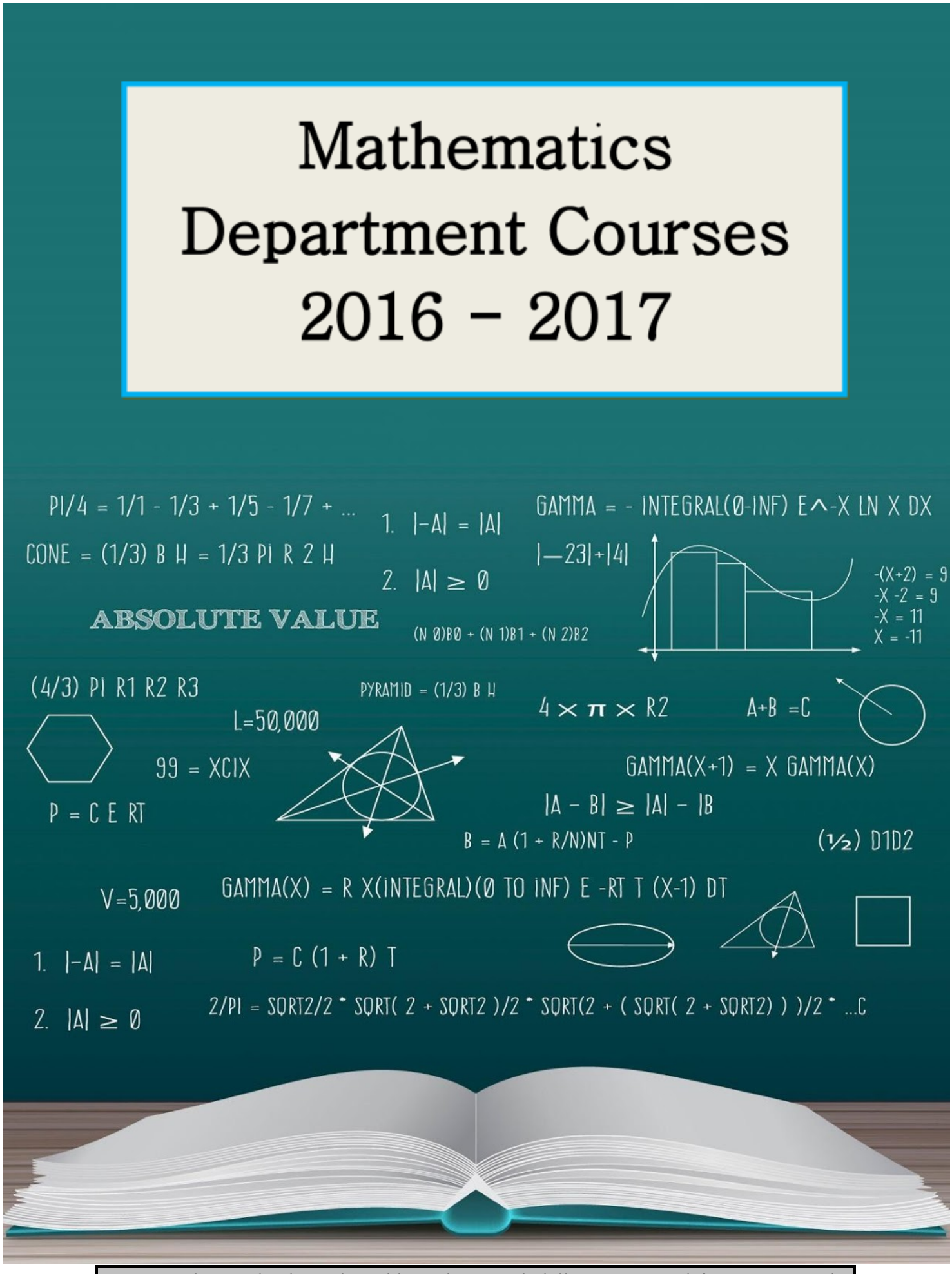
LA COURSE: RHYTHM, RAP AND POETRY

Credits 2.5
Grades 10-12
Prerequisites: Must have passed Creative Writing and English I

Description:

This course takes students into the personal, political and powerful process of analyzing and creating original performance poetry. The course will help students discover and sculpt their own poetic voice, write and speak with more clarity and power; and create deeper, more honest connections with an audience. We will explore historical contexts of spoken word and research hip-hop and rap, traditional poetic form, dramatic monologue, and more.

Mathematics Department Courses 2016 – 2017



n our modern technological world, mathematical skills are essential for success at the

college level and in the workplace. Honors classes have been added to the mathematics program for students expecting to take Calculus in their senior year. In addition, continuous emphasis is placed on preparation for the critically important PARCC middle school assessments and PARCC High School. Students are given several practice tests each year to help them prepare for these examinations and several courses are in place to bolster students who achieve less than proficient scores. This year we are introducing AP Statistics to our program, plus classes in STEM (Science, Technology, Engineering, and Math).

REQUIRED COURSES

Note: Students with low NJASK 8 or PARCC scores will be required to take Course 12-21.

M 07-01 COURSE: GRADE 7 MATHEMATICS

Grade(s): 7

Description

The seventh grade mathematics program is aligned to the Common Core State Standards. Topics include numerical operations, geometry and measurement, functions and relationships, data analysis and probability. Students who complete this course with an average of 90% and score well on Benchmark IV are eligible to enter the PCSST honors mathematics program by taking Pre- Algebra in summer school and take Algebra I in Grade 8.

M 07H-01 COURSE: HONORS GRADE 7 MATHEMATICS

Grade(s): 7

Prerequisites: Students must have passed Grade 6 Mathematics with an 90% and scored Proficient on PARCC Assessment with teacher recommendation

Description

This is a one year course that will help students to prepare for Algebra I. This is a transitional course that helps middle school students get ready for Algebra I. Instructional time focuses on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

M 09-11 COURSE: GRADE 8 MATHEMATICS
Grade(s): 8
Prerequisites: Students must have passed Grade 7 Mathematics.

Description
This is a one year course that will help students to prepare for Algebra I. This is a transitional course that helps middle school students get ready for high school level math. Instructional time focuses on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

M 08H-A1 COURSE: GRADE 8 HONORS ALGEBRA I
Grade(s): 8
Prerequisites: Students must have passed Honors Grade 7 Mathematics.

Description
This math course is a required course for high school graduation. A primary focus of the course is introductory Algebra. Additional topics covered include: exponents, ratios, proportions, percent, scientific notation, polynomials; a cumulative review strategy is emphasized to foster mastery of the material. Extra time will be spent on some of the more fundamental topics. A state administered End of Course test may be taken by all students in the year they take Algebra I as part of the PARCC Assessments.

M 10-11 COURSE: ALGEBRA I
Credits: 5
Grade(s): 9-12
Prerequisites: Students must have passed Grade 8 Mathematics.

Description
This math course is a required course for high school graduation. A primary focus of the course is introductory Algebra. Additional topics covered include: exponents, ratios, proportions, percent, scientific notation, polynomials; a cumulative review strategy is emphasized to foster mastery of the material. Extra time will be spent on some of the more fundamental topics. A state administered End of Course test may be taken by all students in the year they take Algebra I as part of the PARCC Assessments.

COURSE: ALGEBRA I-A
Credits: 5
Grade(s): 9
Prerequisites: Students must have passed Grade 8 Mathematics.

Description:
This math course is designed for students who needs help to succeed in 9th grade Algebra I PARCC Assessment. Students will be selected based on their 8th grade PARCC scores and teacher feedback. This math course is required for high school graduation. The primary focus of this course will be introductory Algebra. Topics covered include: Exponents, Solving Equations, Solving Inequalities, Linear Functions, Exponential Functions and System of Equations and Inequalities. Extra time will be spent on most topics to get a clear understanding of the concepts. A state administered End of Course test may be taken by all students in the year they take Algebra I as part of the PARCC Assessments.

COURSE: ALGEBRA I-B
Credits: 5
Grade(s): 9
Prerequisites: Students must have passed Grade 8 Mathematics.

Description:
This math course is designed for students who needs help to succeed in 9th grade Algebra I PARCC Assessment. Students will be selected based on their 8th grade PARCC scores and teacher feedback. This math course is required for high school graduation. The primary focus of this course will be introductory Algebra. Topics covered include: Polynomials and Factoring, Quadratic Functions and Equations,Radical Expressions, Rational Expressions. Extra time will be spent on most topics to get a clear understanding of the concepts. A state administered End of Course test may be taken by all students in the year they take Algebra I as part of the PARCC Assessments.

M 09H-12 Course: HONORS ALGEBRA I
Credits: 5
Grade(s): 9
Prerequisites: Students must have completed Pre-Algebra or equivalent with a minimum grade of 3.5.

Description
Topics included in the regular Algebra I program will be covered in more depth. Topics include quadratic and exponential equations, introduction to trigonometry, probability and data analysis.

M 10-15 COURSE: GEOMETRY
Credits: 5
Grade(s): 9-10
Prerequisites: Students must have passed Algebra I and/or Honors Algebra I

Description
This math course is a required course for high school graduation. A primary focus of the course is geometry; including angles, circles, polygons, quadrilaterals, and solids. Additional topics covered include quadratic applications, advanced algebraic fractions, coordinate geometry (midpoint, slope, and distance formulas), mathematical systems, locus, and constructions. Unlike the geometry of old, the course now requires continuous use of Algebra which eases the transition into Algebra II.

M 10H-12 COURSE: HONORS GEOMETRY
Credits: 5
Grade(s): 9-11
Prerequisites: Students must have completed Honors Algebra I with a minimum grade of 3.2 or completed Algebra I with a minimum grade of 3.5 with a teacher recommendation.

Description
This faster paced class will cover all topics in the regular Geometry class but more in depth. This course emphasizes a rigorous and logical development of the properties of figures in two and three-dimensional configuration. Geometry includes the study of lines and angles, inductive reasoning, deductive reasoning, triangles, polygons, indirect proofs, circles, proportions, areas, similarity, inequalities and their relationships to practical and theoretical situations.

M 11-11 COURSE: ALGEBRA II
Credits: 5
Grade(s): 10-11
Prerequisites: Students must have passed Algebra I or Honors Algebra I and Geometry or Honors Geometry.

Description
Topics covered include exponents, ratios, proportions, percents, scientific notation, polynomials, factoring binomials and trinomials, radicals, linear systems, combinations, permutations, the coordinate plane, the Pythagorean Theorem, algebraic fractions, probability, and statistics.

M 11H-21 COURSE: HONORS ALGEBRA II
Credits: 5

Grade(s): 10-11
Prerequisites: Students must have completed Algebra I or Honors Algebra I and completed Honors Geometry with a minimum grade of 3.2 or completed Geometry with a minimum grade of 3.5 with a teacher recommendation.

Description
This faster paced class will cover all topics in the regular Algebra II class but more in depth. Topics covered include exponents, ratios, proportions, percents, scientific notation, polynomials, factoring binomials and trinomials, radicals, linear systems, combinations, permutations, the coordinate plane, the Pythagorean Theorem, algebraic fractions, probability, and statistics.

M 12-22 COURSE: COLLEGE PREP MATH
Credits: 5
Grade(s): 12
Prerequisites: Students must have passed Algebra I, Geometry and Algebra II

Description
Students will review and explore their knowledge of Algebra and Geometry and understand how they combine to further develop their mathematical reasoning. It will provide a continuation of Algebra II topics and introduce the fundamentals of trigonometry. Topics will include: exponential and logarithmic functions, rational functions, quadratic relations, right angle trigonometry, trigonometric ratios, functions, graphs and trigonometric identities. It will prepare students for the Accuplacer college placement test.

M 12-30 COURSE: PRE-CALCULUS

Credits: 5
Grade(s): 11-12
Prerequisites: Students must have passed Algebra I, Algebra II and Geometry

Description
This course is designed to prepare students for Calculus, either at PCSST or the college level. At least half of the course is the study of trigonometric and circular functions. Other topics to be included are elementary functions, vectors, sequences and series, polynomial and rational functions, and the concept of limits and integrals.

M AP-12 COURSE: ADVANCED PLACEMENT CALCULUS
Credits: 5
Grade(s): 11-12
Prerequisites: Pre-Calculus or Online Pre-Calculus

Description

AP Calculus AB is a year-long course comparable to calculus courses offered at colleges or universities. Students need to have a thorough knowledge of college preparatory mathematics including, trigonometry, analytic geometry, equations and graphs, and lines and conics. Students taking this course should be adequately prepared to study elementary functions, limits and continuity, differential and integral calculus. Calculus AB is concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi representational approach to calculus, with concepts, problems, and results being expressed graphically, numerically, analytically, and verbally.

ELECTIVE COURSES

*** Note: Each of the electives aligns with the NJDOE 21st Century Life and Careers Standards.

M 9-21 COURSE: TITLE I MATH SUPPORT 9
Credits: 5
Grade(s): 9
Prerequisites: Students have scored "Partially Proficient" on grade 8 PARCC or scored "Partially Proficient" on Practice Tests.

Description
This course is required for all students who tested partially proficient on the PARCC or practice mathematics tests. Emphasis is on basic skills, computations, estimation and review/reinforcement of topics included in Algebra. It is a Full year and Pass/Fail course. After PARCC practice in January, student who are proficient will be removed from the course.

M 10-10 COURSE: TITLE I MATH SUPPORT 10
Credits: 5
Grade(s): 10
Prerequisites: Students have scored "Partially Proficient" on Practice Tests or received C or lower in Algebra I.

Description
This course is required for all students who tested partially proficient on practice mathematics tests. Emphasis is on basic skills, computations, estimation and review/reinforcement of topics included in Algebra. It is a Full year and Pass/Fail course. After PARCC practice in January, student who are proficient will be removed from the course.

M 11-12 COURSE: TITLE I MATH SUPPORT 11
Credits: 5
Grade(s): 11

Prerequisites: Students have scored "Partially Proficient" on PARCC or received C or lower in Algebra.

Description

This course is required for all students who tested partially proficient on practice mathematics tests. Emphasis is on basic skills, computations, estimation and review/reinforcement of topics included in Algebra. It is a Full year and Pass/Fail course. After PARCC practice in January, student who are proficient will be removed from the course.

M 10-21 COURSE: PSAT MATHEMATICS PREP

Credits: 2.5

Grade(s): 9-10

Prerequisites: For Freshmen & Sophomore planning to take the PSAT and in good standing with regular math sequence. Offered in the Spring Semester.

Description

This course is designed to prepare students for the Math section of the College Board Preliminary Scholastic Aptitude Test (PSAT). The PSAT examination is critically important because the scores from the fall of junior year administration are used to determine National Merit Scholarship winners. In addition, scores on the PSAT are an excellent predictor of scores for the SAT. In addition to the mathematics content, students will be schooled on "test taking" strategies. Knowing how the test is scored and the general approach to taking the test will add valuable points to this important score. The ideal time to take this course is in the spring of the sophomore year in preparation for the fall administration of the PSAT.

M 11-28 COURSE: SAT MATHEMATICS PREP

Credits: 2.5

Grade(s): 11

Prerequisites: For students planning to take the SAT and in good standing with regular math sequence.

Description

Scholastic Achievement Test (SAT) scores are still among the most important admission criteria for competitive colleges. The mathematics and "test taking" strategies needed for success is reviewed in depth. The ideal time to take this course is in the fall of the junior year.

M 11-22 COURSE: STATISTICS AND PROBABILITY

Credits: 2.5

Grade(s): 11-12

Prerequisites: Students must have passed Algebra I and Geometry and currently taking or passed Algebra II.

Description

Statistics is the science of data. The purpose of this course is to introduce the students to the major concepts and tools needed for collecting, analyzing, and drawing conclusions from data. This course concentrates on four broad conceptual themes: exploring data, planning a study (collecting data), probability (anticipating patterns in data), and statistical inference based on data. This course is an active learning experience. Students analyze data with calculators and computers. They conduct classroom experiments, carry out individual and group projects, and perform simulations involving probabilistic concepts. Students are required to be engaged and active learners in the classroom.

M AP-11 COURSE: ADVANCED PLACEMENT STATISTICS

Credits: 5

Grade(s): 11-12

Prerequisites: Students must have passed Algebra II, must have received grade of 3.5 in Algebra II or 3.2 in Honors Algebra II.

Description

This intensive college level non-calculus based statistics course, as prescribe by the College Entrance Examination Board Advanced Placement Program, examines four broad conceptual themes: (1) Exploring data: observing patterns and departures from patterns; (2) Planning a study: Deciding what and how to measure; (3) Anticipating patterns: producing models using probability and simulation; and (4) Statistical inference: confirming models. Student experiences focus and emphasize on problem solving and real life applications through critical thinking activities as well as the use of computers and graphic calculator technology. Students are expected to take the Advanced Placement Examination at the conclusion of the course.

M 09-24 COURSE: PATTERNS, PUZZLES AND CRYPTOGRAPHY

Credits: 2.5

Grade(s): 9-12

Prerequisites: Students must have passed Algebra I

Description

Number Theory began as a playground for a few mathematicians that were fascinated by the curious properties of numbers. Today, it has numerous applications from pencil and paper algorithms, to the solving of puzzles, to the design of computer software, to cryptanalysis (a science of code breaking). This Number Theory course will cover topics such as the Fundamental Theorem of Algebra, Euclid's Algorithm, Pascal's Triangle, Fermat's Last Theorem, and Pythagorean Triples. In today's world of high speed communication, banks, corporations, law enforcement agencies and so on need to

transmit confidential information over public phone lines or airwaves to a large number of other similar institutions. Prime numbers and composite numbers play a crucial role in many cryptographic schemes. Students will research and analyze mathematical history and cryptography, develop problem solving skills related to mathematical topics, understand different types of numbers and how useful they can be, and connect mathematics to real world situations.

M 09-28 COURSE: MATH FOR BUSINESS AND STOCK MARKETS***

Credits: 2.5
Grade(s): 9-12
Prerequisites: None

Description

Students will learn about the stock market, investing in stocks, bonds and mutual funds, follow their "investments" and how to make decisions based upon trends. Business Math is a review of the fundamental processes of mathematics applied to the world of work. It provides a study of trade, cash and bank discounts, simple and compound interest, appreciation and depreciation, sales tickets and billing, markup procedures, payrolls, social security and other taxes, installment buying, insurance, negotiable instruments, and graphs. It also includes financing costs, loan procedures, consumer expenses, and earnings. This course will enable students to become critical consumers and to have civic financial responsibility.

MC 10-21 COURSE: FINANCIAL LITERACY

Credits: 2.5
Grade(s): 10-11
Prerequisites: None (This is a State graduation requirement starting with the freshmen class of 2014 who will take the course in their sophomore year.)

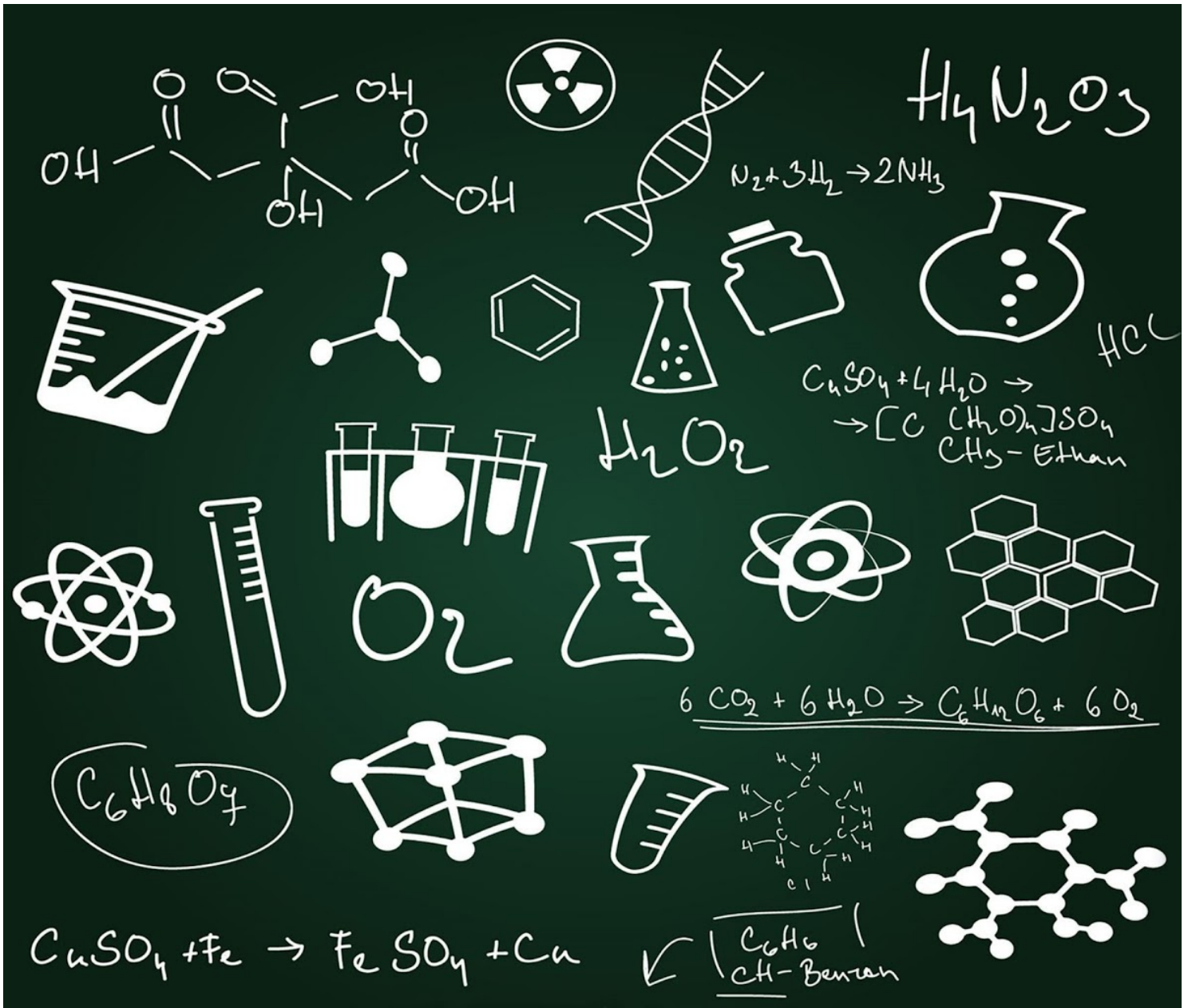
Description

"It takes money to make money." This course is designed to develop students' knowledge about personal and business financial decisions in the real world. As a mandatory elective for graduation, this course will help students meet new demands and expectations from higher education institutions, as well as from future employers. Most importantly, students will gain the knowledge and skills to make educated financial decisions that will impact themselves, their family, and local and global communities. This course will focus on financial, economic, business and entrepreneurial literacy. Topics to be addressed will include an introduction to basic economic principles, personal financial planning and budgeting, money management and spending, consumer purchasing and protection, banking and credit, saving and investing, auto and other insurance, taxes and career paths. Students will develop positive money management

skills, create a financial plan, and compare and contrast short-term and long-term financial goals. The Financial Literacy course will assist students in developing the necessary financial skills to participate and succeed in society.

M STEM-04 COURSE: ROBOTICS
Credits: 2.5
Grade(s): 9-12
Prerequisites:

Description
This course will introduce students to electronic theory and how it links to the complex world of computer robotics. Students will learn robotic fundamentals using particular robotic equipment. Each student will participate in individual and group projects. Computer simulations and activities are integrated throughout the course. Programming and construction of the robot are explored on every level from conception to completion. The course includes: robotics, artificial intelligence, engineering, and technology. As a result of this course students are expected to create an autonomous robot that can function in a limited domain and in various situations. Extensive hands-on lab work is an essential component of this course.



Science Department Courses 2018-2019

Science is an intriguing area of study because it uses skills in other disciplines to explain the wonders of the natural world around us. Science can explain systems both too small and too large for our normal senses to comprehend. Students at PCSST, like all others in New Jersey Public Schools are required to take the NJASK Science test in Grade 8 and the Biology end of course test in their sophomore year. This year we will make available AP courses in Biology, Chemistry and Physics.

SC 07-01 COURSE: GRADE 7 SCIENCE
Grade(s): 7

Description
Grade 7 Science begins with the study of the Properties of Matter and their relationship to living systems. Then students study the Forms of Energy, Organization and Development, Interdependence, Properties of Earth Materials, Energy in Earth Systems, Weather and Climate.

SC 08-01 COURSE: GRADE 8 SCIENCE
Grade(s): 8

Description
This course covers the basic fundamentals of physical science, chemistry, physics and earth science. Topics include the Changes in Matter, Energy Transfer and Conservation, Forces in Motion, Matter and Energy Transformations, Objects in the Universe History of Earth, Biogeochemical Cycles.

SC 09-11 COURSE: BIOLOGY WITH LAB
Credits: 5
Grade(s): 9
Prerequisites: Students must have passed Grade 8 Science

Description
This course introduces students to broad aspects of the biological sciences, such as the molecular and cellular basis of life, genetics, evolution, human organ systems and the interrelationships of plants, animals and humans with the environment. Students experience a variety of learning strategies, including cooperative group interaction, lecture, discussion, demonstration and laboratory experimentation. All of these activities are directed toward incorporating content into critical thinking. All students who are enrolled in this course must take the New Jersey Biology Competency Test.

SC 10H-12 COURSE: HONORS BIOLOGY WITH LAB
Credits: 5
Grade(s): 9
Prerequisites: Students must have passed Grade 8 Science with at least a B+ average, scored proficient on NJASK 8 Science and received a teacher recommendation.

Description
This is a year-long advanced college preparatory course. It is designed to teach students the major concepts and principles of biology including chemistry of life, cell structure and function; photosynthesis, cellular respiration, genetics and ecological and evolutionary concepts. Students will do lab activities to develop important skills such as detailed observation, accurate recording, experimental design, and data interpretation and analysis. All students who are enrolled in a Biology course must take the New Jersey Biology Competency Test. The honors class will be expected to take the SAT II in Biology as well.

SC 11-11 COURSE: CHEMISTRY WITH LAB
Credits: 5
Grade(s): 10-11
Prerequisites: Students must have passed Biology and Algebra I

Description
Chemistry core content is focused on the use of physical science principles, including fundamental ideas about matter and energy as powerful conceptual tools for making sense of phenomena in physical, living, and Earth systems science. Students engage in laboratory and authentic learning experiences that encourage the application of chemistry knowledge to make decisions and solve problems.

SC 10-11 COURSE: CONCEPTUAL CHEMISTRY
Credits: 5
Grade(s): 10-12
Prerequisites: Students must have passed Biology.

Description
*Conceptual chemistry students will study many of the same topics as chemistry with lab students. There will be a reduction in complexity of the mathematics involved. What is learned in the classroom will be connected closely to real-life situations, which students might encounter on a regular basis. This course is **not** for students interested in majoring in science in college or pursuing a career in science.*

SC 11H-11 COURSE: HONORS CHEMISTRY WITH LAB
Credits: 5
Grade(s): 10-11
Prerequisites: Students must have passed Algebra I, passed Biology with at least a B+ average, and received a teacher recommendation.

Description
Honors Chemistry is a challenging course involving the exploration of chemistry through laboratory and lecture. Topics covered include atomic structure the periodic table, electron configuration, reaction stoichiometry, gas laws, solution chemistry, reactivity of acids and bases, kinetics and equilibrium. There is also a brief introduction to organic and nuclear chemistry. This course is designed for the student with a high interest in science who is considering a technical field of study at the college level. The honors class will be expected to take the SAT II in Chemistry.

SC 12-11 COURSE: PHYSICS WITH LAB
Credits: 5 Credits
Grade(s): 11-12
Prerequisites: Students must have passed Biology and Chemistry.

Description
Physics is a laboratory science course that provides an understanding of many of the scientific principles we meet in our daily lives and helps to develop reasoning power by exposing the student to problem solving in laboratory situations. Areas of study include: mechanics, wave motion, heat, light, electricity, magnetism, electromagnetism, and atomic and nuclear physics.

SC 12-03 COURSE: CONCEPTUAL PHYSICS
Credits: 5 Credits
Grade(s): 11-12
Prerequisites: Students must have passed Biology and Chemistry.

Description
Conceptual Physics will introduce students to the same physics concepts as Physics with Lab students. There will be a reduction in complexity of the mathematics involved. The course will help students connect physics to real world experiences. Students will develop critical thinking skills and problem solving skills. This course is ***not*** *for students interested in majoring in science in college or pursuing a career in science.*

SC 12H-11 COURSE: HONORS PHYSICS WITH LAB
Credits: 5 Credits
Grade(s): 11-12
Prerequisites: B+ or better in Algebra II and co-enrolled in Pre-Calculus, B+ or better in Chemistry and a science teacher recommendation.

Description
Honors Physics is a problem-oriented, college-preparatory course designed to give the student the ability to apply fundamental physical concepts to a wide range of problems. This course will use algebra and trigonometry to analyze and evaluate data. Students will develop models and investigate physics concepts by engaging in discussion, problem solving and laboratory experimentation. The topics covered include force and motion, types of interactions, energy, wave phenomena and electromagnetic radiation, light, electricity, fields, and non-Newtonian physics. Supplementary topics may include relativity, digital information technology, and atomic and nuclear physics. Additionally, students are being prepared for and encouraged to take the SAT II Exam in physics.

ELECTIVE COURSES

Note: Students are expected to take four years of Science with Physics strongly preferred as part of the sequence.
*** Note: Each of the electives aligns with the NJDOE 21st Century Life and Careers Standards.

SC 10AP-01 COURSE: ADVANCED PLACEMENT BIOLOGY
Credits: 5
Grade(s): 11-12
Prerequisite: Students must have passed Biology with at least B+ average, and received a teacher recommendation.

Description
The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year. After showing themselves to be qualified on the AP Exam, some students, in their first year of college, are permitted to take upper-level courses in biology or register for courses for which biology is a prerequisite.
AP Biology includes those topics regularly covered in a college biology course for majors. The college course in biology differs significantly from the usual first high school course in biology with respect to the kind of textbook used, the range and depth of topics covered, the type of laboratory work done by students, and the time and effort required of students.

SC 11AP-02 COURSE: ADVANCED PLACEMENT CHEMISTRY
Credits: 5
Grade(s): 11-12
Prerequisites: Students must have passed Biology and Chemistry with at least a B+ average, and received a teacher recommendation.

Description

This course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students in this course will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. Students will develop abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. The course will cover the topics on the periodic table, chemical formulas and equations, stoichiometry, chemical bonding, and acid base. This course will also include introduce new topics such as the molecular orbital theory, organic chemistry, chemical kinetics, chemical equilibrium, and thermochemistry.

SC AP-03 COURSE: ADVANCED PLACEMENT PHYSICS

Credits: 5
Grade(s): 11-12
Prerequisites: Students must have passed Biology, Chemistry, and Physics with at least a B+ average, and received a teacher recommendation.

Description

AP Physics will focus on the big ideas typically included in the first semester of an algebra-based, introductory college-level physics sequence and provide students with enduring understandings to support future advance course work in the sciences. Through inquiry-based learning, students will develop critical thinking and reasoning skills, as defined by the AP Science Practices. Topics covered will include kinematics, Newton's laws, circular motion, simple harmonic motion, linear momentum, energy, rotational motion, electrostatics, DC circuits, and mechanical waves and sound.

SC 09-26 COURSE: SCIENCE CAREERS***

Credits: 2.5
Grade(s): 9-12
Prerequisites: none

Description

This course is for the students who are considering a career that is focusing on the field of science such as agricultural, food, natural, resources career cluster as well as health sciences career clusters. Topics include future in science; what it takes to prepare for a science career; what scientists do every day and career opportunities in the field of science.

SC 09-27 COURSE: SCIENCE, TECHNOLOGY AND SOCIETY***

Credits: 2.5
Grade(s): 9-12
Prerequisites: none

Description

Science, Technology and Society is the interdisciplinary study of relationship between science and human society; how science and technology influenced the society, how society influenced the development of science and technology.

SC 11-22 COURSE: INTRODUCTION TO ANATOMY AND PHYSIOLOGY

Credits: 2.5
Grade(s): 10-12
Prerequisites: Students must have passed Biology.

Description

This course is designed for those interested in health-related careers. Anatomy and Physiology is a discussion and laboratory based study of the human body. The study will range from molecules, cells, body systems to processes. Laboratory work is required, including dissection. This course is designed for college preparation, especially for biology and health career majors (medicine, nursing, physical therapy, sports medicine, physical education, etc.)

SC 11-23 COURSE: ENVIRONMENTAL SCIENCE

Credits: 2.5
Grade(s): 11-12
Prerequisites: Students must have passed Biology

Description

Environmental Science carefully analyzes the various interactions that are taking place between modern humans and their environment. Special emphasis is placed on our need for and use of energy and mineral resources as well as the impact that our everyday choices have on the environment. The course develops the concept of the ecosystem and the basic laws that govern energy/resources use. Students will experience both the scientific and activist aspects of environmentalism. Over the course of the semester, students will conduct research on an environmental issue. They will design their experiment, collect and analyze data, and communicate their findings in paper, poster, and presentation form. Students will also choose an environmental issue within the school or community and implement an action plan to address this issue.

SC 10-21 COURSE: NUTRITION SCIENCE

Credits: 2.5
Grade(s): 10-12
Prerequisites: Students must have passed Biology with a B average.

Description

Students in this course begin an in-depth exploration of macromolecules. The topics covered will include reading nutritional labels, molecular biology, and an introduction to current organic foods, Specific topics will include GMOs, Cooking healthy, Super-foods

and taste testing, particularly as these pertain to health, and science behind food. Students will be required to do a current event which is related to new developments in food. They will research articles or use Science magazines to read current development in food. Students will watch Alton Brown show to explain the history and chemistry of food.

SC 11-21 COURSE: GENETICS & DNA TECHNOLOGY
Credits: 2.5
Grade(s): 11-12
Prerequisites: Students must have passed Biology

Description
Students in this course begin an in-depth exploration of genetics. The topics covered will include patterns of inheritance, DNA structure and function, and an introduction to current techniques in molecular biology. Specific topics will include DNA fingerprinting, PCR, DNA sequencing, and cloning, particularly as these pertain to genetic disorders, mutations, and expression analysis. Students will be also be required to do a current event which is related to new developments in genetics. They will research articles or use Science magazines to read current development in genetics.

SC 11-24 COURSE: CSI FORENSICS
Credits: 2.5
Grade(s): 11-12
Prerequisites: Students must have passed Biology

Description
Students in this course learn the fundamentals of a criminal investigation and the role of forensic science in a court of law. The topics covered include crime scene safety and management, fingerprinting, ballistics, serology, explosives, arson, DNA, hair, fiber, and handwriting analysis, collection of physical and trace evidence, and more. Students dust for, lift, and compare fingerprints, draw crime scene sketches, take impressions of tire and footprints, type and compare "blood" samples, analyze sample documents, and use modern techniques to identify unknowns. Media clips depicting forensics in action will be used for illustrative and comparative purposes. By stepping into the role of the forensic scientist, the students learn and apply scientific strategies and skills.

SC 09-29 COURSE: INTRODUCTION TO METEOROLOGY
Credits: 2.5
Grade(s): 9-12
Prerequisites: None

Description

This course focuses on introduction the student to basic concepts involved in analysis of weather phenomena on a global and local scale. Major topics include heat balance, atmospheric stability, precipitation processes, cyclonic activity, severe weather, weather analysis, and very basic weather forecasting techniques. Particular attention is devoted to the analysis of US Government weather charts and diagrams. If you ever wanted to know how weather predictions are made and why, this course is for you.

SC 09-30 COURSE: INTRODUCTION TO ASTRONOMY
Credits: 2.5
Grade(s): 9-12
Prerequisites: None

Description
This is a one semester course designed to introduce students to the study of the universe. We will investigate and discuss our enduring understanding of how the universe works, as well as recent discoveries and contributions to the field of astronomy. Topics covered will include the foundations of astronomy, our planetary system, the stars, and the galaxies within our universe.

SC STEM-01 COURSE: STEM AND ENGINEERING I
Credits: 2.5
Grade(s): 9-12
Prerequisites: None

Description
The main objective of this course is to offer students an array of advantages, from career readiness and hands-on experience to college preparatory level classes, labs, and creative exercises. It is appropriate for students who are interested in design and engineering. The major focus of the course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. STEM gives students the opportunity to develop skills and understanding of course concepts through activity, project-, and problem-based learning.

SC STEM-02 COURSE: STEM AND ENGINEERING II
Credits: 2.5
Grade(s): 10-12
Prerequisites: STEM and Engineering I

Description
Students will extend their understanding of the integration of science and mathematics to create technology that solves problems through an engineering framework. The class will focus on real world problem solving in a project based learning environment.

Social Studies Department Courses

For 2010-2011

2018-2019

PCSST students are required to complete a sequence of courses in Social Studies which will enable them to be productive, contributing members of society. Students will explore history and key events that have shaped our nation and the world, as well as geography, economics, government and culture. Building on a foundation of democratic values and civic responsibilities, our goal is to prepare students to make informed decisions in an increasingly interdependent, global world. Core courses will leverage interdisciplinary lesson plans and be supplemented by a rich program of elective courses. Students will develop skills in critical thinking, problem solving, research, and communication. All courses will strive to enhance reading comprehension and writing skills. The department also offers AP World History.

SS 07-01 COURSE: CIVICS
Grade: 7

Description
The PCSST Civics course is designed to address basic objectives of civic education. This will entail the organization and functioning of government on the local, state, and national levels (including rights and responsibilities). Moreover, it will provide students with in-depth knowledge of our nation's system of government. Students will also be able to identify challenges of U.S. foreign policy as well as understanding their role as citizens in the world today. The class is modified to instill students with the qualities of good citizenship in a democratic society, as well as encourage them to be active participants in an evolving political landscape. Instruction and Grading for the course will take place in the form of homework, worksheets, projects, notebook inspection, tests, quizzes, and cooperative learning exercises.

SS 08-01 COURSE: WORLD HISTORY I
Grade: 8

Description
World History I will explore people, places, and events beginning with the classical civilizations. Students are introduced to early empires, major world religions and art and architecture through the 16th century Renaissance and Reformation. Students will explore the topics spanning the New World in the late 15th century; analyze the autocratic powers of Europe, the early Muslim Empires, Revolutionary Europe and the Age of Enlightenment. The role of governments, geography, culture and economics will all be studied as students explore the past. Instruction and grading for the course will take place in the form of homework, class work, projects, tests, & quizzes. Students who excel in World History I will have an opportunity to pursue Honors World History II, a precursor to potential Advanced Placement offerings.

REQUIRED COURSES

SS 12-21 COURSE: WORLD HISTORY II
Credits: 5
Grade 9

Description
In this course, students trace the pathways of imperialism to present-day affairs around the world. Beginning with the exploration of the New World in the late 15th century, students will review, discuss and analyze the autocratic powers in Europe, the early Muslim Empires, Revolutionary Europe and The Age of Enlightenment before tackling transformative events since the turn of the 19th century, including industrialization. Students will compare and contrast democracy and capitalism with alternative political and economic systems. 20th century events, and the people behind them, will include WWI, increasing nationalism and the rise of dictatorships, WWII, the Holocaust and other examples of genocide, and the Cold War through the fall of the Soviet Empire. Coverage of history, the role of government, geography, culture and economics will be analyze as students explore relatively recent events such as The Cuban Missile Crisis, conflicts in the Middle East, and the emergence of Communist China as a world power. Students will be able to apply lessons of the past to the present. Research, writing, and higher order thinking skills will be enhanced through in-class assignments, homework and research projects. A field trip to the Museum of Natural History will be conducted to reinforce select course topics.

SS 9H-01 COURSE: HONORS WORLD HISTORY II
Credits: 5
Grade: 9
Prerequisites: Teacher recommendation

Description
Honors World History II is a more rigorous version of World History II that focuses heavily on primary source reading, historical research, and written analysis. Writing assignments will be an integral part of the student's grade. In the class, students will explore people, places, and events beginning with the Age of Enlightenment before tackling transformative events since the turn of the 19th century, including industrialization. Students will compare and contrast democracy and capitalism with alternative political and economic systems. 20th century events and the people behind them will include WWI, increasing nationalism, the rise of dictatorships, WWII, the Holocaust and other examples of genocide and the Cold War through the fall of the Soviet Empire. Coverage of history, the role of government, geography, culture and economics will be analyzed as students explore more recent events such as the Cuban Missile Crisis, conflicts in the Middle East and the emergence of Communist China as a world power. Students will be able to apply lessons of the past to the present. Lecture, group work, independent research projects, homework and student led discussion will be employed to advanced oral and written communication, critical thinking, and specific 21st century skills such as collaboration and

innovation. Writing skills will be emphasized to prepare students for HSPA and college. Students who excel in Honors World History II will have an opportunity to pursue Honors US History I coursework, a precursor to potential advanced placement offerings.

SS 10-11 COURSE: US HISTORY I
Credits: 5
Grade 10
Prerequisites: None

Description
United States History I is the study of American History from the 15th century settlers through the birth of modern America at the end of the 19th century. The content of this course includes the introduction to and history of the colonization of the Americas, the American colonies, the influence of Europe on the American colonies, the creation of the US Government, the Revolutionary War, the Civil War, Reconstruction and Industrialization. Topics integrate the political, cultural, economic and geographic demographics of the nation and their relationship to our nation's history. Students will analyze the Declaration of Independence, the US Constitution, and landmark Supreme Court cases to explain historic as well as current events. Being able to explain the relevance of the US Constitution is fundamental to being able to defend it, and our rights as citizens. In conjunction with language arts, students will read the classic Red Badge of Courage, during our exploration of the Civil War era. Lecture, independent research projects, homework, and student lead discussions will be employed to advanced oral and written communication and critical thinking skills. Writing skills will be emphasized to prepare for HSPA and college. A field trip to Jockey Hollow National Park, the site of George Washington's winter encampment during the American Revolution, or historic Philadelphia, will make early US history come alive.

SS 10H-12 COURSE: HONORS US HISTORY I
Credits: 5
Grade 10
Prerequisites: Teacher recommendation

Description
Honors United States History I is the study of American History from 15th century settlers through the birth of modern America and industrialization at the end of the 19th century. This course will emphasize the acquisition of crucial factual information for the purpose of recognizing trends, patterns and developments in our nation's history. The ability to locate these trends, patterns and developments will aid the student in a critical analysis of primary source documents that will culminate in opportunities for seminar style discussions, debates and individual historical research. The content of this course includes the introduction to, and history of, the colonization of the Americas, the American colonies, the influence of Europe on the American colonies, the Revolutionary War, the creation of the US Government, American style chattel slavery, the Civil War, Reconstruction and Industrialization. Topics will integrate politics, culture, the economy, society and geography and how these topics serve as defining forces and outgrowths of our nation's history. Students will analyze the Declaration of Independence, the US Constitution, and landmark Supreme Court cases to explain historic as well as current events. The ability to explain the relevance of the US Constitution is fundamental to being able to defend it, and our rights as citizens. In conjunction with language arts, students will read the classic Red Badge of Courage, during our exploration of the Civil War era. Lecture, group work,

independent research projects, homework, and student led discussions will be employed to advance oral and written communication, critical thinking and specific 21st century skills such as collaboration and innovation. Writing skills will be emphasized to prepare students for PARCC and college. This course will establish a foundation to prepare students for future college level Advanced Placement (AP) coursework.

SS 12-11 COURSE: US HISTORY II
Credits: 5
Grade(s): 11
Prerequisites: US History I

Description
This course continues to build on the foundation of US History I. Students will study major events from 1877 to the present day. This course looks to make modern day connections with events of the past. Major topics of study include: Imperialism, Progressivism, World War I, The Great Depression, World War II, The Korean and Vietnam Wars, The Cold War, The Civil Rights Movement, The Gulf War Conflict, the Wars in Iraq and Afghanistan, and The War on Terrorism. Students will read All Quiet on the Western Front, for a German account of life during World War I. Course topics will integrate the political, geographic, economic, and cultural demographics with the nation's history. A field trip to the US Holocaust museum in Washington, DC or The USS Intrepid, naval warship, (or other historic location) will be included to provide an experiential learning experience about US history. Rigorous project work, written and oral communication, and increasingly advanced applications of technology will be employed as students prepare for college.

SS 11H-01 COURSE: HONORS US HISTORY II
Credits: 5
Grade(s): 11
Prerequisites: Teacher recommendation

Description
The U.S. History II Honors level course provides students with the means to understand how the significant events, people, and time periods in United States history from the beginnings of the 20th century to the present day impact our lives today and define the American way of life and character. The content of this course includes progressivism, World War I, the roaring twenties, the depression, the New Deal, World War II, the Cold War, a rise in conservatism, and the U.S. in today's world. This course will emphasize the acquisition of crucial factual information for the purpose of recognizing trends, patterns and developments in our nation's history. The ability to locate these trends, patterns and developments will aid the student in a critical analysis of primary source documents that will culminate in opportunities for seminar style discussions, student presentations, debates and individual historical research. This course will focus on competing government ideologies and principles and how those government structures affect the populace. Students will be encouraged to analyze and interpret alternative perspectives leading them to challenge commonly held beliefs about historical and political events. A strong emphasis will be placed on effective writings skills to ensure students are better prepared for the HSPA and college. In order to assist students in becoming responsible, productive and well-informed

citizens in the 21st century, this course requires students to utilize a variety of technologies in the classroom. The aim is to help students become critical readers and analysts of history though an in-depth study of the events of history and its theories and criticisms. This course will establish a foundation to prepare students for future college level Advanced Placement (AP) coursework. Students who excel in Honors United States History II will have the opportunity to pursue Advanced Placement Courses next year.

SS AP-01 COURSE: ADVANCED PLACEMENT US HISTORY II
Credits: 5
Grade(s): 11-12
Prerequisites: Two teacher recommendations (1 must be from your current history teacher) B or higher in United States History I

Description
The AP United States History II course is for qualified students who wish to complete studies in secondary school equivalent to an introductory college course in U.S. history. The AP U.S. History Exam presumes at least one year of college-level preparation and students will have the opportunity to gain college credit. The AP U.S. History II course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. An AP U.S. History II course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

ELECTIVE COURSES

*** Note: Each of the electives aligns with the NJDOE 21st Century Life and Careers Standards.

SS 12-22 COURSE: LIFE SKILLS - READINESS FOR COLLEGE LIFE***
Credits: 2.5
Grade(s): 12
Description
The main objective of this course is to continue building on skills and characteristics developed in Life Skills I, with a stronger emphasis on post-high school life. This includes building character and leadership traits by developing critical thinking, building basic skills, and emphasizing positive changes in attitude. Students will discuss money managing skills, establishing positive relationships, sexuality, tolerance, dorm life, responsibility, and style vs. substance. To accomplish this objective: (1) students will complete several readings about positive role models, (2) successful former students and college professors will speak to the class about their achievements, failures, and life-lessons, (3) the instructor will utilize various forms of pop-culture to demonstrate core components of character traits (4) students will shadow successful members of society and (5) students will be given different opportunities to apply the concepts of the course to their personal lives, academic competencies and future goals. This course meets the requirements for 21st century skills.

SS 10-22 COURSE: SOCIOLOGY
Credits: 2.5
Grade(s): 11-12
Prerequisites: None

Description
This course is designed to acquaint students with society through an academic study of human interaction, in its many forms. Emphasis is put on the relationship of the individual and groups to society. Key concepts will include the formation and diversity of our culture, the nature and complexity of our value system, the growth and development of children, the importance of family, the interrelationship of majority and minority groups, the role of the mass media, religion and its role in society and the nature of social problems. While not a required prerequisite to the course "Human Conscience and Genocide Studies", it is a recommended precursor. Students who successfully complete this course will be given priority status for admission to the Genocide Studies course.

SS 10-21 COURSE: HUMAN CONSCIENCE AND GENOCIDE STUDIES***
Credits: 2.5
Grade(s): 11-12
Prerequisites: None (However, as a compliment to the Sociology course, students who satisfactorily complete Sociology will be given first preference for admission.)

Description
What made Hitler do it? Could it happen again? Or has it already? This course will provide for an intense study of genocide, stereotypes and racial profiling. It will have a brief introduction to acts considered as genocide with an understanding about the violation of human rights. This course will intensely focus on the following genocides: The Holocaust, Armenia, Ukraine, Cambodia, Kosovo, Rwanda, Darfur, and Sadam's crimes against the Kurds. This course will focus heavily on research, reading comprehension and writing, as well as classroom discussion and debate on topics of genocide. The course will include a final term paper.

SS 09-23 COURSE: PSYCHOLOGY
Credits: 2.5
Grade(s): 11-12
Prerequisites: None

Description
Psychology is the study of human behavior. The content of this course will focus on an introduction to, and history of, psychology, biology and behavior, sensation and perception, consciousness and altered states of consciousness, conditioning, memory, human growth and development, personality, abnormal psychology, and person adjustments. Students will learn about the many influences that may affect human behavior. The course will emphasize reading comprehension, oral and written communication, and analytical skills.

SS 09-24 COURSE: TOMORROW'S TEACHERS I
Credits: 5
Grade(s): 9-12
Prerequisites: None

Description
This course is specifically designed for students who wish to enter the teaching. All facets of the teaching profession will be covered and participants will become members of a local chapter of the Future Educators Association. Two delegates from the chapter will be invited to the annual convention of the New Jersey Education Association. This is the first of a two year sequence.

SS 09-27 COURSE: INTRODUCTION TO POLITICAL SCIENCE
Credits: 2.5
Grade(s): 11-12
Prerequisites: None

Description
This course evaluates the political history of the United States from colonization to the present day and provides an introduction to civics. Students will study the basic principles of the United States Constitution, different types of government and economic systems, and how our local, state, and national governments function. Students will distinguish between the duties and responsibilities of citizens and examine their own citizenship; as citizens of PCSST, their community, the nation, and the word. Students will also analyze current events relating to government such as elections, acts of Congress, the legal system and the courts, and international affairs. Students may undertake a community service project. Reading, writing, analytical, debating and oral communication skills will all be stressed.

SS 09-25 COURSE: UNITED STATES GOVERNMENT AND POLITICS
Credits: 2.5
Grade(s): 10-12

Description
U.S. Government and Politics is an introductory course in our nation's form of government and American politics, and as a result, it has several basic objectives that pertain both to your knowledge of government and to the tools you need to be a broadly educated member of society. The specific course objectives are to introduce you to basic principles, institutions, and processes in American government. Students will also be expected to critically connect those principles and processes to current issues and events impacting American political affairs. Finally, students will understand their role as a citizen within the American democracy. Students will engage in a variety of activities

during the course of the year including seminar style discussions, student presentations, mock elections, mock trials, debates, research projects, speeches, blogging, website design, campaigning, interviewing and community service. All of these activities will assist the student in coming to the realization that their nation's government impacts their lives on a daily basis and it is their responsibility to become active, well-informed citizens. This course would be a precursor to AP Government, which the department would like to run next year.

SS 09-21 COURSE: HISTORY OF AFRICAN AMERICANS
Credits: 2.5
Grade(s):9-12
Prerequisites: None

Description
The purpose of this course is to offer an overview of African American History and cultural expression in the U.S. from pre-colonization to present day. Writing skills are highlighted in this course as well as analysis of primary sources. At least one comprehensive research paper will be completed during the course. Notable African-Americans, spanning U.S. history, politics, and culture are examined, as well as land-mark Supreme Court cases and amendments to the U.S. Constitution. The course parallels US history including slavery in the colonial era, African-Americans during the American Revolution, slavery and abolition in antebellum America, The Civil War, Reconstruction, the period of Jim Crow, WW I and the Great Migration, The Great Depression, WW II, and the Civil Rights Movement. Students will come to grips with life for African Americans in the 1950s South, through the eyes of a white journalist, John Howard Griffin in his gripping account, Black Like Me.

SS 09-26 COURSE: LATIN AMERICAN HISTORY
Credits: 2.5
Grade(s): 9-10
Prerequisites: None

Description
Latin American History will explore the history and contributions of Latinos in the American story. The content of this course will include the history of Latinos in America from the nineteenth century to modern day America. The content of this course will include the presence of Mexican Americans during the Mexican- American War, Hispanic segregation of the early twentieth century, the Chicano Movement of the 1960's and Cesar Chavez and the Migrant Workers Movement. Also addressed will be the involvement of Latinos in today's politics, media, sports, and society. Studying the history of Latin Americans will enable students to have a better understanding of American History. It will shed light on a segment of our population who has been an integral part of creating the America, we know today. Lecture, independent research projects, homework, and student lead discussion will be employed to advance oral and written communication and critical skills.

SS 09-29 COURSE: WORLD GEOGRAPHY
Credits: 2.5
Grade(s): 9-10
Prerequisites: None

Description
The course World Geography is designed to introduce students to different countries and cultures around the world. Students will gain awareness of the variety of global regions. They will use the 5 themes of Geography, location, place, human-environment interaction, movement and region, to understand the development and culture of the regions.

SS 09-32 COURSE: THE UNITED NATIONS
Credits: 2.5
Grade(s): 10-12
Prerequisites: Completed World Geography and/or World History II

Description
The course United Nations is designed to examine the primary functions of the United Nations and its diplomatic role with respect to the political, economic, and cultural concerns of the global community. Through research, discussion, negotiation, and debate, students will develop plausible solutions to contemporary global problems. These issues include, but are not limited to human rights, protection of the environment, economic development, disarmament, the proliferation of weapons of mass destruction, and the complexities surrounding war and peace.
Upon successful completion of the course, students should be able to articulate the foreign policy of the selected country; define the structures and general procedures of the United Nations; describe important historical issues affecting the UN and evaluate the organization's effectiveness; analyze selected issues currently before the United Nations from the selected member nation's perspective; understand and competently use the rules of procedure, diplomatic protocol, and negotiating techniques common to UN delegates; and explain the rationale, format, and instructional methods of the Model United Nations simulation.
Building on the hands-on nature of the Model United Nations format, students should also be able to improve their public speaking and negotiation skills; evaluate and interpret documentary materials, maps, charts, and statistical tables; and analyze historical data to understand contemporary conflicts and issues.

SS 09-30 COURSE: CURRENT EVENTS AND MASS MEDIA***
Credits: 2.5

Grade(s): 11-12
Prerequisites: None

Description

Current Events and Mass Media will be taught by a member of the Social Studies Department. In this course students will conduct research, discuss and debate current issues both in class and out of class using different forms of social media. Through this course students will become affective researchers and more importantly become competent 21st century citizens by using aspects of mass media and social media to explore the relevant issues of today. The class will gather information from a variety of both traditional and online resources to question the validity of those sources and be able to effectively dissect issues and come up with feasible solutions to problems. The students will use new methods of technology such as social media (Twitter, Instagram, Facebook, Edmodo, etc.), blogs, podcasting, wiki's, etc. to present the learned material. Upon completion of this class students will have a better understanding of current events and issues, and be able to conduct research and defend their positions as the college level.

SS 09-31 COURSE: RACE, GENDER, AND IDENTITY***

Credits: 2.5
Grade(s): 11-12
Prerequisites: None

Description

Teens are often faced with choices and challenges that are difficult to navigate. Students will understand how teens and ordinary citizens can empower themselves reflecting on their historical and personal past. Looking at history through the lenses of empathy, ethics, and equity, students will think critically about what it means to be participating citizens of the world. There will be a culminating project that puts theory into practice with a community service.

SS AP-02 COURSE: ADVANCED PLACEMENT WORLD HISTORY

Credits: 5
Grade(s): 10-12
Prerequisites: World History II & Teacher Recommendation

Description

Advanced Placement World History takes a thematic approach to history. Emphasis is placed on similarities and differences between civilizations in world history. An important theme is "change over time" as students investigate how civilizations change over time. Activities which utilize primary sources are an integral part of the course. Upon successful completion of the AP exam students may earn college credit.
The purpose of this course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights important change and events in

politics, economic and belief systems, and social/gender structures. Students will also be given the opportunity to examine the development of other important historical themes (science and technology, exchange and encounter, cultural and intellectual development, modernization and conflict/conflict resolution). This course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. Periodization, explicitly discussed, forms the organizing principle for dealing with change and continuity from that point to the present. Specific themes provide further organization to the course, along with consistent attention to contacts among societies that form the core of world history as a field of study.

SS AP-03 COURSE: AP PSYCHOLOGY
Credits: 5
Grades: 11-12
Prerequisites: Must have teacher recommendation and a B or higher in Biology

Description
Advanced Placement Psychology is designed as a rigorous curriculum that provides an overview of current psychological theory and practice. Students will explore the systematic and scientific study of the behavior and mental processes of humans and other animals. Students will be exposed to the principles, concepts and phenomena associated with major subfields within psychology, including biological bases of behavior, cognitive and emotional processes, and diagnosis and treatment of psychological disorders. In accordance with the driving principles of current psychological practice, this course will emphasize scientific method and procedure, ethical standards in research, and critical thinking skills. Student academic performance is expected to meet or exceed the challenging requirements of an introductory-level college survey course. Student work will be required outside of class time. The course provides the opportunity for students to receive college credit by taking the A.P. Psychology Exam

SS 09-33 COURSE: AMERICAN CONFLICT
Credits 2.5
Grades: 10-12
Prerequisites: None

Description
The program of American Conflict would focus on the history of American military and the conflicts that they have encountered in our past. This program will focus on the military advances, warfare, battles, and effect that these conflicts in have had in our American history. Through the course of historical studies and prospective analysis the students will be able to analyze and interpret the importance of events from the Revolutionary War through World War Two. This will be a great benefit to the students through the teaching of how warfare has changed throughout our history as well as being able to place themselves during different time period through the intrigue lessons. The foundation of our American liberties is based largely on the sacrifice of those in our

military. In order to truly appreciate their sacrifice, it is of the utmost importance to learn about the battles with which they waged in order to protect our American freedoms.

SS 09-34 COURSE: HISTORY OF THE HIP HOP GENERATION
Credits 2.5
Grades: 11-12
Prerequisites: None

DESCRIPTION: *Through various media, films, discussion, readings, and literature, this course will present the history of Hip-Hop while exploring various issues pertaining to its worldwide impact. It will examine the major historical conditions of Bronx, New York in the early 1970s in from which Hip-Hop culture arose. Pioneers of the Hip Hop movement, the early music they produced, and Hip Hop's various complexities will also be presented. Elements of Hip-Hop, such as—Graffiti, MCing, DJing, and Breakdancing—will be explored in detail and how it pertains to the culture and its overall importance. Various societal issues within Hip-Hop will be thoroughly examined: issues of race, sexuality, class, authenticity, violence, gender, and censorship will be introduced. The course will also take a look at world regions that currently house thriving, indigenous Hip-Hop scenes. We will round out the course by exploring Hip-Hop's global impact and how it has developed thus far as an art form that is reaching the 40-year-old mark.*

Junior reserve officer training corps (JROTC) Courses 2018-2019

*** Note: Each of the electives aligns with the NJDOE 21st Century Life and Careers Standards.

Description

This course is open to students who want to learn about becoming better citizens and enhancing life skills through a military setting. The program stresses the following areas; Citizenship in Action, Leadership Theory and Application:

- *Foundations for Success in Wellness, Fitness, and First Aid;*
- *Geography, Map Skills and Environmental Awareness;*
- *Citizenship in American History and Government;*
- *Cadet Safety and Civilian Marksmanship Program (Optional);*
- *Integrated Curricular Activities.*

JROTC is a sequential program and it is recommended that students begin the program in their Freshman year to benefit from the best sequence of activities.

JROTC 09-22 COURSE: JROTC LEVEL I***
Credits: 5
Grade(s): 9
Prerequisites: Open for Freshmen only

JROTC 10-23 COURSE: JROTC LEVEL II***
Credits: 5
Grade(s): 10
Prerequisites: Leadership Education Training II or JROTC General

JROTC 11-21 COURSE: JROTC LEVEL III***
Credits: 5
Grade(s): 11
Prerequisites: Leadership Education Training III or JROTC General w/ recommendation

JROTC 12-21 COURSE: JROTC LEVEL IV***
Credits: 5
Grade(s): 12
Prerequisites: Leadership Education Training IV or JROTC General w/ recommendation

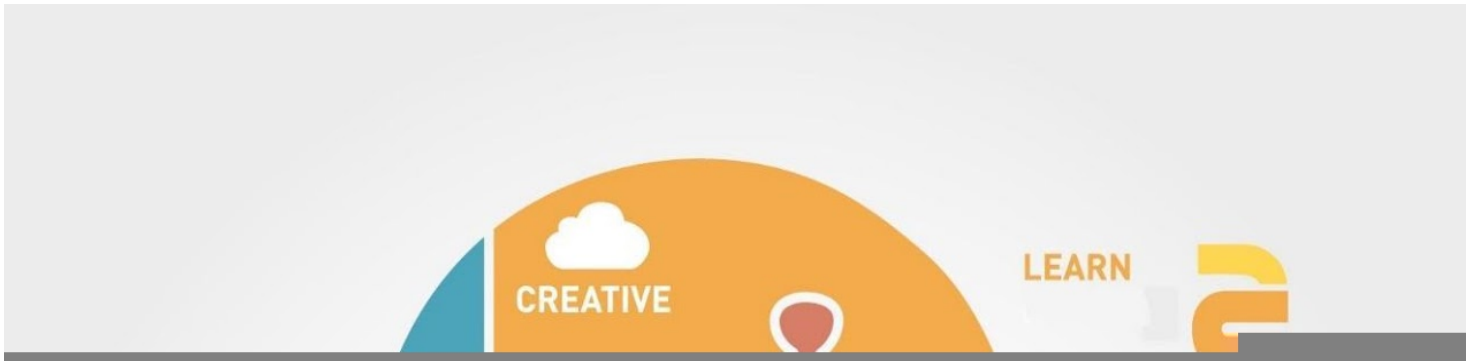
JROTC LEVEL IV Leadership Education Training is a course designed for students who have been involved with JROTC for at least three years and is primarily designed for seniors who will graduate at the end of the school year.

JROTC 12-22 COURSE: JROTC GENERAL***
Credits: 5
Grade(s): 9-12
Prerequisites: None

Description

This section is available to allow students to participate in the JROTC program even if they are off sequence.

Students will be issued military uniforms which they are required to wear on specific days which will exempt them from the standard school uniform.



Special Education

2018-2019

The Special Education Department and Child Study Team provide services to meet the needs of students with learning difficulties. Two basic models are available based on the extent of the student's learning problems.

SE 09-12 INCLUSION CLASS (IN-CLASS RESOURCE SUPPORT)
In an inclusion class, or mainstream placement, the student is placed in a general education class with same aged peers. In addition to the general education teacher, there will ideally be a special-education teacher whose job it is to adjust the curriculum to the student's abilities. Inclusion placements have the benefit of keeping the student in the mainstream of school life with higher-achieving peers, but may not be able to provide the intensive help some students need. In Class Resource Support may be offered in any of the following core subjects; Mathematics, English, Science, and History.

SE 09-12 RESOURCE ROOM (RESOURCE SUPPORT/REPLACEMENT)
Students who need intensive help to keep up with grade-level work in a particular subject may be placed in the Resource Room, where a special-education teacher works with a small group of students, using techniques that work more efficiently with a special-needs population. Resource Room placements have the benefit of providing help in the area(s) of need while allowing the student to remain in the mainstream for other subjects. Resource classes may be offered in any of the following core subjects; Mathematics, English, Science, and History.

SO WHICH CLASS IS RIGHT FOR YOUR CHILD?
That's a question that needs to be answered based on your child's particular, individualized needs. What kind of setting does your child learn best in, and what kind of setting is the least productive. Of course the Individual Education Plan (IEP) and its accommodations are factors in this decision. Think about the socialization component involved. Think about whether the student needs structure and routine, or enjoys being with different teachers and kids. Think about whether there are one or two areas in which the student needs academic help, or if every moment in school is a struggle. Speak to your child's teachers, other parents, special education personnel, advocates in your area, and most importantly to your child, and try to gauge what setting would be the most productive, most beneficial, most stimulating and least threatening place for your child to learn. Then monitor the situation closely. Your child's placement is not set in stone, and you can always move your child if a placement becomes too restrictive or too lax.

-Mauro, Terri. "Special Education Placements - Which Classroom Is Right for Your Child?" *Parenting Special Needs Children*. N.p., n.d. Web. 18 Feb. 2010.
http://specialchildren.about.com/od/specialeducation/p/specialedrooms.htm

COURSE: LIFE/TRANSITION SKILLS ELECTIVE I
Credits: 5.0
Grade(s): 11-12
Prerequisites: None (Placement based on recommendation of department.)

Description

The Life Skills/Transition Skills Elective is structured to provide support for students who have pronounced needs. The program is tailored to meet the amount of support a student may require. The focus of this program is to develop functional academic, daily living and life skills, as well as communication, vocational and social skills. Transition from school to work and career goals will be explored. In addition, this course will focus on promoting the acquisition of skills in such areas as test-taking, report writing, reading strategies, real life math skills, time management, use of resources, and self-advocacy.

World Language & Cultures Courses

2018-2019

Since the dawning of the jet age the world has been shrinking. With the internet it is not uncommon for students to have internet contacts with people in other countries and a desire to know more about their lives and their culture. The World Language and Culture Program at PCSST emphasizes the history and culture of each language in addition to the reading, writing, speaking and listening skills unique to each one. Currently PCSST offers Spanish, Chinese and Turkish the last two of which are recent additions. With continued student interest it is our intention to eventually offer each of these to a third year of study. Concentration in one language is preferred by competitive colleges as opposed to taking introductory courses in several languages.

WL 07-01 COURSE: GRADE 7 SPANISH
Grade(s): 7

Description
This course is a continuation of 6th grade Spanish. It gives the students the opportunity to further their understanding of the Spanish language through listening activities, reading and writing instructions. The course also provides an understanding of the civilization, culture, and customs of Spanish-speaking countries. The course is designed for beginners and Spanish speaking students. The introduction of Spanish grammatical structure gives the students a basic understanding and the ability to use the language. This is a one Marking Period course.

WL 08-01 COURSE: GRADE 8 SPANISH
Grade(s): 8

Description
This course gives the students the opportunity to put into practice their understanding of the Spanish language through concentrated listening activities, reading and writing instructions. The course also provides a deeper understanding of the civilization, culture, and customs of Spanish-speaking countries. The course is designed for novice mid-level learners and Spanish speaking students. The usage of Spanish grammatical structure and verb conjugation gives the students the ability to use the language in a suitable manner. The students will create skits and biographies in order to master their verb use and grammar structure. This is a one Marking Period course.

WL 07-02 COURSE: GRADE 7 TURKISH
Grade(s): 7

Description
This course is a continuation of 6th grade Turkish. It is designed to improve different aspects of language and writing skills for the students. Objectives are: to improve students' conversational skills, to provide a variety of readings for written comprehension; to develop a good grammar background; to improve listening skills; to

introduce students to some examples of Turkish culture. This is a one Marking Period course.

WL 08-02 COURSE: GRADE 8 TURKISH
Grade(s): 8

Description
8th grade Turkish is a following course of 7th grade Turkish. The course is designed to improve different aspects of language and writing skills for the students. Objectives are: Most of the reading passages enhance the grammatical and topical points covered in the same or previous units, but the difficulty level of the language used in the reading passages tend to be higher than that used in other section of the same unit. Each unit has at least one listening section designed to further the students' listening skills. Each listening section is recorded. Listening sections are important and fun ways to strengthen the students' listening skills. This is a one Marking Period course.

Note: Successful completion of Spanish and Turkish in grades 7 and 8 is the equivalent of completion of Spanish I/Turkish I. Students will take a placement test at the end of 8th grade, and may then move into Spanish II/Turkish II in 9th grade. Student must earn a minimum of 80% on the test in order to be skipped to level 2. Students will earn 5 credits towards their World Languages requirement. PCSST policy is that students take 2 years of foreign language classes throughout their 4 years of high school regardless of credits earned for placement test. Competitive colleges expect students to take two years of the same language and prefer three years.

All incoming high school students will take an assessment in order to be placed in the appropriate language level.

WL 09-23 COURSE: SPANISH I
Credits: 5
Grade(s): 9-12
Prerequisites: None

Description
This course furthers the knowledge of students' language skills through review of the fundamentals of Spanish structure, and by emphasizing oral reading comprehension and self-expression in communicating and writing. The course also broadens students' knowledge of Spanish civilization, culture, and customs. The emphasis of Spanish I is on listening, speaking and understanding. Interpersonal, interpretive, and presentational skills are enhanced considering the students' language level skills (Novice- Mid or Higher).

WL 10-23 COURSE: SPANISH II
Credits: 5
Grade(s): 9-12
Prerequisites: Students must have passed Spanish I or minimum of 80% on Placement Test or have a teacher recommendation.

Description
Spanish II continues to expand listening and speaking skills while emphasizing correct grammar, syntax, and writing of the language. The readings are designed to broaden students' knowledge of the different countries that comprise the Spanish speaking world. The course is taught mostly in Spanish, transitioning to English when needed. By the end of Spanish II, students should be able to write cohesive paragraphs of their own design in Spanish. Interpersonal, interpretive, and presentational skills are enhanced considering the students' language level skills (Novice, Mid/High or Higher).

WL 11-23 COURSE: SPANISH III
Credits: 5
Grade(s): 9-12
Prerequisites: Passed Spanish II or teacher recommendation.

Description
At this level students are expected to approach mastery of reading, speaking and listening skills in Spanish. The use of verbs in past and future tense will be practiced. Within the course, the students will practice writing short stories (horror stories, legends and myths, biographies, etc.). They will also read passages from different works of literature in Spanish (When I was Puerto Rican by Esmeralda Santiago), and short stories from our reading book. The students will have the opportunity to openly discuss topics covered in class in Spanish. The students will continue to explore cultural aspects of the Spanish-Speaking world. By the end of Spanish III, students should be able to comfortably read aloud their short stories in Spanish. Interpersonal, interpretive, and presentational skills are enhanced considering the students' language level skills (Novice-High-Intermediate-Low or Higher).

WL 12-23 COURSE: SPANISH IV
Credits: 5
Grade(s): 11-12
Prerequisites: Passed Spanish III or teacher recommendation.

Description
Spanish IV will help students improve their oral and written communication skills through the continued study of the language. Literature and culture of Spain, Latin America and Hispanic communities in the United States will be explored through different topics using books, internet resources, newspapers, etc. Cultural and social topics will be discussed to expand students' awareness and understanding of the diversity of the Spanish-speaking world. By the end of Spanish IV, students will be ready to continue their Spanish studies at a college level. Interpersonal, interpretive, and

presentational skills are enhanced considering the students' language level skills (Intermediate-Mid or Higher). Students in Spanish IV will have the opportunity to earn college credit through a dual enrollment program with Seton Hall University.

WL AP-01 COURSE: ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE
Credits: 5
Grade(s): 11-12
Prerequisites: Final grade of a B in Spanish IV and/or a teacher recommendation.

Description
The AP Spanish Language and Culture course is for qualified students who wish to complete studies in secondary school equivalent to an introductory college course in Spanish. The Spanish Language and Culture Exam presumes at least one year of college-level preparation and students will have the opportunity to gain college credit. The AP Spanish Language and Culture course emphasizes the use of authentic materials and sources. It also give emphasis to the use of Spanish for active communication in real life tasks. Students will be able to develop their abilities in three modes of communication (Interpretive, Interpersonal, and Presentational) and they will increase their cultural awareness through theme-based instruction based on a variety of authentic resources such as: newspapers, magazines, podcasts, blogs, advertisements, television programs, films, music, video clips, and literature. Grammar and vocabulary are developed through contextualized study. AP Spanish Language and Culture course ingrate the ACTFL national standards – Communication, Culture, Connections, Comparisons, and Communities.

WL 09-24 COURSE: TURKISH I
Credits: 5
Grade(s): 9-12
Prerequisites: None

Description
Because of its long history of different dominant cultures, Turkey has a rich and varied history. Its unique language is a mixture of Latin and Arabic influences and is emerging as one of the most requested languages in modern school curricula. PCSST is located in a community enriched by a Turkish population and English only speaking students who have joined the PCSST Turkish club will find this course a great resource. This course is designed to introduce the Turkish language to beginning students, to develop oral and written skills for both comprehension and expression. Language skills to be emphasized include: understanding, reading, writing, translation, and speaking. Interpersonal, interpretive, and presentational skills are enhanced considering the students' language level skills (Novice- Mid or Higher).

WL 10-24 COURSE: TURKISH II
Credits: 5
Grade(s): 9-12
Prerequisites: Students must have passed Turkish I or minimum of 80% on Placement Test.

Description
This course is a continuation of Turkish I. It is designed to improve different aspects of language and writing skills for the students. Objectives are: to improve students' conversational skills, to provide a variety of readings for written comprehension; to develop a good grammar background; to improve listening skills; to introduce students to some examples of Turkish culture. Interpersonal, interpretive, and presentational skills are enhanced considering the students' language level skills (Novice, Mid/High or Higher).

WL 11-24 COURSE: TURKISH III
Credits: 5
Grade(s): 10-12
Prerequisites: Students must have passed Turkish II or have a teacher recommendation.

Description
Turkish III is a following course of Turkish II. The course is designed to improve different aspects of language and writing skills for the students. Conversational skills are enhanced through short conversations. Reading passages enhance the grammatical points that tend to be more detailed than those given in other language textbooks. Class activities may include exercises to be practiced by the student alone or with a partner; group work, role playing, or games. Many of these activities are designed to enhance the students' speaking and functional abilities in the language. Important information about Turkish culture will be shared with the students. Interpersonal, interpretive, and presentational skills are enhanced considering the students' language level skills (Intermediate-Mid or Higher).

WL 12-24 COURSE: TURKISH IV
Credits: 5
Grade(s): 10-12
Prerequisites: Students must have passed Turkish III or teacher recommendation

Description
The course is designed to improve different aspects of language, reading and writing skills plus cultural literacy. The conversational skills in the target language are critical at this level. Students will be encouraged to use authentic materials from their community to enhance their conversational skills. Class activities may include exercises to be practiced by the student alone or with a partner; group work, role playing, or games to be performed by two or more students. Many of these activities are designed to enhance the

students' speaking and functional abilities. It is very important for students to familiarize themselves with the Turkish cultural values expressed through the Turkish language in Turkish IV class. Interpersonal, interpretive, and presentational skills are enhanced considering the students' language level skills (Intermediate-Mid or Higher).

WL 09-21 COURSE: CHINESE I
Credits: 5
Grade(s): 9-12
Prerequisites: None

Description
This course is an introduction to the Chinese language and culture. This course teaches pronunciation, vocabulary, and grammar fundamentals in learning Mandarin Chinese. Unlike the Romance languages such as English, Spanish, French, German, etc. which are derived from the Roman alphabet, Chinese uses ciphers or symbols to represent individual words or meanings and visual learners should find it an interesting language to study. With the recent expansion of Chinese citizens in the United States and the emergence of towns which are essentially bilingual in English and Chinese, this is an opportune time to get involved with this language which includes a rich cultural heritage. This course is an introductory level class that includes specific pronunciation drills and recognition/writing of pinyin and strokes of the symbols. Interpersonal, interpretive, and presentational skills are enhanced considering the students' language level skills (Novice- Mid or Higher).

WL 10-21 COURSE: CHINESE II
Credits: 5
Grade(s): 10-12
Prerequisites: Students must have passed Chinese I

Description
Chinese II is a continuation of Chinese I with emphasis on listening, speaking, reading and writing of simple Chinese sentences and elementary grammar. It will build vocabulary and encourage basic conversation in Chinese. This course also covers necessary culture, customs, philosophy, and history which serve as keys to studying the Chinese language. Interpersonal, interpretive, and presentational skills are enhanced considering the students' language level skills (Novice- Mid or Higher).

GUIDANCE

DEPARTMENT

COURSES

*** Note: Each of the electives aligns with the NJDOE 21st Century Life and Careers Standards.

CCL-01 Course: College and Career Readiness 9***
Credit: 1
Grade(s): 9
Prerequisites: none

CCL-02 Course: College and Career Readiness 10***
Credit: 1
Grade(s): 10
Prerequisites: none

CCL-03 Course: College and Career Readiness 11***
Credit: 1
Grade(s): 11
Prerequisites: none

CCL-04 Course: College and Career Readiness 12***
Credit: 1
Grade(s): 12
Prerequisites: none

Description: *The college and career readiness courses that align with the NJDOE 21st Century Life and Careers Standards are established to prepare all students for college and a career. Students will participate in one of the courses during each year of high school to insure college and career readiness. These courses include interactive in-class presentations and focus on improving students' college access, persistence, and attainment as well as empowering their personal-social and career development. Students who take a college and career course will participate in 20 college and career workshops that will be conducted by school counselors. In order to earn the 1 credit, students should develop and present their annual college and career readiness portfolio. The components of portfolios will be determined by the school counselors and will be unique to each student.*

CCL-05 COURSE: OPTION II

Description: *Students may be granted credit for other activities not listed in the Program of Studies. These may include Internships, Work Experiences, Participation in College Coaching program and College Coaching Program Plus, or other activities that would prepare the student to be College & Career Ready. Option II credits require prior written approval of the administration and documentation of hours spent engaged in an activity. Documentation may require sponsors or employers to provide records of hours and/or evaluation of student performance as well as reports from the student.*

CCL-06 COURSE: DUAL ENROLLMENT

Description: *When PCSST does not offer course in an area of interest for the student, Dual Enrollment may be appropriate. Students may receive credit for courses completed at colleges and universities. PCSST maintains relationships with Passaic County Community College, Seton Hall University and Montclair State University. Students can take courses on those campuses. Students may also avail themselves of on-line courses offered by other colleges and universities. All Dual Enrollment activities require prior approval of the administration before credit can be granted.*

PCSST Graduation Requirements 2018-2019

	Class of 2021	Class of 2020	Class of 2019	Class of 2018
Language Arts	20 Credits (English I-II-III-IV)	20 Credits (English I-II-III-IV)	20 Credits (English I-II-III-IV)	20 Credits (English I-II-III-IV)

Math	20 Credits (Algebra I & II, Geometry & Additional Math)	20 Credits (Algebra I & II, Geometry & Additional Math)	20 Credits (Algebra I & II, Geometry & Additional Math)	20 Credits (Pre-Algebra I & II, Geometry & Additional Math)
Science	20 Credits (Biology, Chemistry, Physics with lab preferred)	20 Credits (Biology, Chemistry, Physics with Lab preferred)	20 Credits (Biology, Chemistry, Physics with Lab preferred)	20 Credits (Biology, Chemistry, Physics with lab preferred)
Social Studies	15 Credits (WH, US I & II)	15 Credits (WH, US I & II)	15 Credits (WH, US I & II)	15 Credits (WH, US I & II)
PE/Health	16 Credits (PE/Health 9-12)	16 Credits (PE/Health 9-12)	16 Credits (PE/Health 9-12)	16 Credits (PE/Health 9-12)
Visual & Performing Art	5 Credits	5 Credits	5 Credits	5 Credits
21st Century Life & Careers	5 Credits (Life Skills, Character Ed, Career-Tech Edu)	5 Credits (Life Skills, Character Ed, Career-Tech Edu)	5 Credits (Life Skills, Character Ed, Career-Tech Edu)	5 Credits (Life Skills, Character Ed, Career-Tech Edu)
World Language	10 Credits	10 Credits	10 Credits	5 Credits
Financial/ Business	2.5 Credits (Financial Literacy)	2.5 Credits (Financial Literacy)	2.5 Credits (Financial Literacy)	2.5 Credits (Financial Literacy)
Additional Electives	25 Credits	25 Credits	25 Credits	30 Credits
Total Credits	**138.5**	**138.5**	**138.5**	**138.5**

NJDOE Graduation Testing Requirements

Beginning with the Classes of 2019, 2020 & 2021 the following placement tests will be used to determine readiness for graduation. Scoring proficient on any combination of Language Arts and Math assessments listed below will qualify a student for graduation.

For data purposes each year, students may still be required to participate in testing even after they have passed one of these assessments as determined by the New Jersey Department of Education.

ENGLISH LANGUAGE ARTS	MATHEMATICS
PARCC ELA Grade 9 >= 750 (Level 4) *or*	PARCC Algebra I >= 750 (Level 4) *or*
PARCC ELA Grade 10 >=750 (Level 4) *or*	PARCC Geometry >= 725 (Level 3) *or*
PARCC ELA Grade 11 >= 725 (Level 3) *or*	PARCC Algebra II >= 725 (Level 3) *or*
SAT Evidence-Based Reading & Writing (taken 3/1/16 or later)* >= 450 *or*	SAT Math (taken 3/1/16 or later)* >= 440 *or*
SAT Reading Test(taken 3/1/16 or later)>=22 *or*	SAT Math Test(taken 3/1/16 or later)>=22 *or*
ACT Reading or ACT PLAN Reading >= 16 *or*	ACT or ACT PLAN Math>= 16 *or*
Accuplacer WritePlacer >= 6 *or*	Accuplacer Elementary Algebra >= 76 *or*
PSAT 10 Reading or PSAT/NMSQT Reading (taken 10/1/16 or later)* >=22 *or*	PSAT 10 Math or PSAT/NMSQT Math (taken 10/1/15 or later) *>= 22 *or*
ACT Aspire Reading >= 422 *or*	ACT Aspire Math >= 422 *or*
ASVAB-AFQT Composite >=31 *or*	ASVAB-AFQT Composite >=31 *or*
Meet the Criteria of the NJDOE Portfolio Appeal for ELA	Meet the Criteria of the NJDOE Portfolio Appeal Math

Note: *SAT taken March 2016 or Later; **PSAT taken October 2015 or later