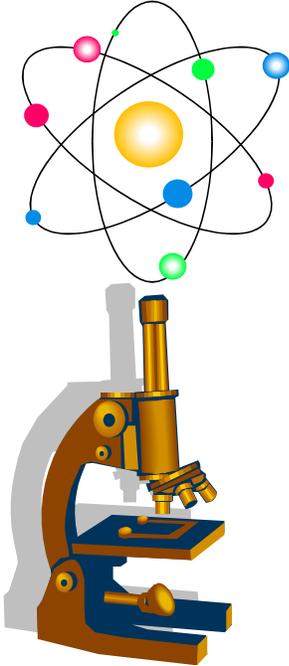


THE HIGH SCHOOL FOR HEALTH PROFESSIONS AND HUMAN SERVICES

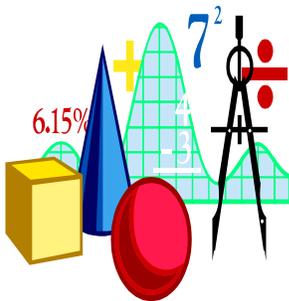
Robert A. Gentile, Principal

Kristin Erickson, AP Supervision
Aaron Hoffman, AP Administration
Loizos Karaikos, AP Administration
Phil Liebovitz, AP Administration

Donna LoPiccolo, AP Supervision
Mary Jo Stenson, AP Supervision
Anastasia Tavares, AP Supervision



COURSE OFFERINGS Codes and Descriptions 2014-2015



English Course Offerings 2014-2015

Grade Nine – EES81/EES82

- **Incoming grade nine students take E1 in the fall and E2 in the spring**
- **Students who scored Level 1 or 2 on the grade 8 ELA are programmed for a double period literacy block for English. Students are selected by the APs English and Special Education and the programmer.**

Grade Ten – EES83/EES84

- **Grade ten students take EWL3 in the fall and EWL4 in the spring. These required sophomore English courses focus on World Literature**

Grade Eleven –EES85/EES86

- **Grade eleven students take E5ML in the fall and E6ML in the spring. These required junior English courses focus on American Literature. All Grade Eleven Students must also take EWW-Writers' Workshop in the fall and EWCL-College Writing in the Spring EXCEPT students taking AP English, Science Research and ESL.**
- **Select students take the first year of our AP English Language and Literature Course. In order to take AP English, a student must be recommended by his or her 10th grade English teacher, be approved by the AP English, have an 85 or better average in 10th grade English, complete a writing sample, have excellent attendance and be on grade level.**

Grade Twelve

- **Grade twelve students are required to take E7 in the fall and E8 in the spring. All E7/8 sections meet New York State and New York City standards as core English courses and prepare students for work and/or college study. Every section of E7 and E8 has a specific theme and content. Students select their E7/8 courses from the choices below. Please note that you must indicate three choices. Placement in your first choice is not guaranteed as sections are limited.**

English 7 and 8 Section Themes for 2013-2014

Advanced Placement English –EES87X/8

This is the second of our two-year course to prepare students to sit for the AP examination in English Language and Literature. In order to take this course a student must have taken the 11th grade AP course and have the recommendation of his or her teacher as well as the assistant principal to continue. This recommendation will be based on a combination of factors including final grade in E66X, performance on the NYS Regents Exam in English, attendance and willingness to complete the twelfth grade course and take the AP Exam in May 2013.

African-American Literature – EES87QA/8

This course takes students chronologically through the canon of African American literature and asks students to explore the relationship between literature and the social, political, and economic contexts that engendered the work. There is an overt emphasis on the history of African Americans in the United States; as such, students will examine all texts, both literary and expository, through historical lenses. Topics of study include: the origin of racial classification, the tools of oppression, the ongoing struggle with double-consciousness, the conflict between assimilation and separatism, and the evolution of the African American literary tradition

British Literature – EES87QB/8

Explore great works in British Literature through the ages. Find out why people still read Shakespeare, Austen, Bronte, Wilde and Woolf. Be introduced to contemporary English novels by esteemed authors such as Ian McEwan, Zadie Smith, Neil Gaiman and Kazuo Ishiguro. Timeless themes and terrific characters abound. With the school planning a trip to London next year, you can't go wrong with this one!

Folklore and Fantasy Literature – EES87QF/8

Explore the genres of fantasy and folklore! Research and analyze how the oldest form of education, storytelling, has impacted literature and society through the ages. Meet vampires, princesses, knights, fairies, and a host of beguiling creatures while you learn valuable college research skills including how to cite your research using MLA format. If you love Neil Gaiman or Stephenie Meyer or want to know more about Arthurian romance, courtly love and chivalry this is the course for you!

Shakespeare EES87QH/8

William Shakespeare created plays and characters that still obsess our minds and culture today. In this course, we will use many approaches to see how the Bard addressed important issues of his time that connect to our own. We will begin with a study of his tragedies in the fall, and move on to the darker side of comedy (Shakespeare's comedies that do not seem especially comedic) in the spring. We will use an acting approach to the plays, but we will also concentrate on creating critical responses that analyze the text. There will be an emphasis on essay writing in order to better prepare you for your future college experience. In this course learning will take place through research, cooperative learning, whole group instruction, literary analysis papers, and independent study.

Literature and the Social Sciences EES87QT/EES88QT

This course will strive to answer the question: Why do we think the way we do? Students will explore the human condition through the lens of the social sciences while engaging in literary study and college preparation. As students explore areas of humanity they will work to improve their reading of advanced texts and critical writing skills using non-fiction articles, excerpts from college texts, memoir essays and fiction. The course will have a strong emphasis on the close reading of non-fiction texts, reading strategies appropriate for college level courses, preparation for first year college writing, as well as life and career choices. Each unit will involve an area of study in the social sciences through which we will analyze and critic various literature.

FOREIGN LANGUAGE Course offerings 2014-2015

SPANISH

First year – FSSG1/2

This is the first year of the three year sequence in Spanish. No previous knowledge of Spanish is necessary. Students learn essential grammar and vocabulary as they develop their skills in reading, writing, listening and speaking in the Spanish Language. Students also learn about the distinctive cultures that make up the Spanish-speaking world.

Second year – FSSG3/4

Students continue their acquisition of grammatical structures and vocabulary while continuing to refine their skills in reading, writing, listening and speaking. Prerequisite: Students must have completed Spanish 1 and 2 or must have advanced standing in Spanish based on their middle, high school or relevant foreign educational experience. This is the second year of the three year Spanish language sequence.

Third year – FSSG5/6

In this last of our three year sequence in Spanish, students receive intensive preparation for the NYS Regents Examination in Spanish while continuing to hone their communicative competencies in Spanish. This course terminates in a Regents examination. Students are not permitted to “opt out” of the Regents. This class is also a prerequisite for AP Spanish.

ADVANCED PLACEMENT SPANISH – FSS21X/2

This single period course coupled with after-school preparation/tutoring will be offered to students who have successfully completed FS 7/8 in 2010-2011 or have passed the Spanish Regents and FS5/6 with at least a 90. You must also have the recommendation of your current Spanish teacher, excellent attendance and a willingness to take the AP exam in May 2015. This is a great opportunity to improve your knowledge of Spanish grammar and literature and earn college credit while still in high school.

SOCIAL STUDIES Course Offerings 2014-2015

Global History H1, H2, H3, H4

A knowledge of World Civilizations in a global context is necessary to understand our rapidly changing world. Many of the relationships that exist between countries and problems within countries can only be understood in the context of their histories. The role of the United States in the world also greatly has been influenced by the history of the West. This course will focus on the major processes that shaped Civilizations and will connect these processes with world events.

United States History H5, H6

This basic course in United States History has been designed to provide the students with an understanding of local, state and national governing bodies emphasizing the individual's role in each area. In addition to examining our evolving government from its inception, the students are offered insights into their own and their neighbors' diverse cultural contributions to American "culture."

Participation in Government H7, Economics H8

This is a basic course in U.S. Government. It has been designed to provide the students with an understanding of local, state and national governing bodies emphasizing the individual's role in each area. In addition to examining governmental trends through the years the students have been provided insights into their own and their neighbors' diverse cultural contributions to the total American culture.

Economics literacy is as vital and useful to participants in our free enterprise system as political literacy is to those who participate in the electoral process. The informed citizen must be prepared to meet his responsibility as a producer and consumer, and, in as much as economic legislation is a vital area of public policy, as a voter as well.

Advanced Placement United States History H55X/H66X

This course is designed for entering Juniors who have an 85 overall average, and want an accelerated Social Studies course resulting in possible college credit. This course is offered *in lieu of* required United States History and Government 1 & 2 (11th Grade). It will prepare students for the American History Regents and the AP American History Exam. Students who enter this course must sign a contract agreeing to stay in the course and to take the Advanced Placement Examination given by The College Board. This course is offered to entering Juniors with teacher recommendation. Must have an 85% average and 85% or better on Global Regents. A student contract is required.

Advanced Placement Government and Politics: US & Comparative H77X/H88X

The purpose of this course is to prepare students to take the Advanced Placement examination for which college credit and/or placement may be given if a qualifying score is made. A course of study that includes comparative government as well as American government and politics is offered. In the study of American government, students interpret national, state, and local government and politics through a study of both general concepts and specific case studies. In comparative government, emphasis is placed on understanding the world's diverse political structures and practices, as well as on interpreting and analyzing the key political relationships found in national governments. Students can select either the American government or the comparative government exams, or both, depending on the scope of the course. Students must have an 85% average and 85% or better on the U.S. History Regents. Teacher recommendation and a student contract are required.

Advanced Placement World History – HGS43X/4

This is a year-long history course with an emphasis on non-Western history. The course will cover the period from approximately 8000 b.c.e. to the present with the period 8000 b.c.e. to 600 c.e. serving as the foundation for the balance of the course. The course relies heavily on college-level texts, primary source documents and outside readings. The course will be taught seminar style. All students are expected to take the AP World History exam. Students must also take H7/H8. Students must have 85% average or higher in Global and overall. Teacher recommendation and a student contract is required.

SOCIAL STUDIES ELECTIVES

Psychology HSPY/HSOC

Psychology/Sociology-This course explores various aspects of the human mind and is divided into two semesters. The first semester concentrates on the major theories and scientific studies about human development, behavior, and manners of adjustment and maladjustment to life situations, including case studies. The second semester concentrates on exploring and applying theories to daily social behavior.

Medical Ethics/Law HLM1

This course is designed as an introduction to analysis of the major ethical and legal issues resulting from our expanding medical technology. The second semester concentrates on the major areas of law such as criminal, civil, consumer, family, and housing laws. Numerous case studies are used in both semesters, with an emphasis on applying knowledge through ‘mock trials’ and other forms of participation.

The following three (2) Advanced Placement Courses are offered to the students. The Advanced Placement course or courses that are selected by the majority of the students will be those that are scheduled for the school year.

Leadership HPL1-2, 3-4, 5-6

In this class you will learn about different leadership styles and techniques. You will also participate in numerous school-wide activities: Membership in the student government, monthly meetings with the principal, working on student activities such as dances, fund raisers, charity drives, etc.

Global History Through Film – HQS21QGF

Global History Through Film is a course that delivers the Global History and Geography Content through popular film. It is open to 10th graders and select 11th graders.

Movement Building: Learning from the History of Community Organizing – HQS21QMB

Throughout the course, students will practice community organizing skills used to mobilize social movements. In the first semester, the class will analyze the strategies and outcomes of select social movements, both historical and contemporary. In the second semester, students will enact the process of community organizing around an issue of their choosing. This is an opportunity to practice essential “real-life” skills, discover the direct link between history and our lives today, and learn how to build power in our communities.

MATHEMATICS Course Offerings— 2014-2015

Regents Courses

Integrated Algebra – MES21/2

This is a one-year sequence in Algebra that will prepare students to take the Integrated Algebra Regents. Topics will include algebraic and graphical solutions to linear and quadratic equations; Algebraic methods in solving equations; using signed numbers and applications in word problems; Coordinate Geometry; Basic Trigonometry and Statistics

Prerequisite: Level 3 or 4 on NYS 8th grade Mathematics Test

Integrated Algebra – MEX41/2,3,4

This is a two-year sequence in Algebra that will prepare students to take the Integrated Algebra Regents. Topics will include algebraic methods to solving equations; using signed numbers and their application in word problems and basic modeling; algebraic and graphical solutions to both linear and quadratic equations; basic coordinate geometry, trigonometry and statistics

Prerequisite: Level 1 or 2 on NYS 8th grade Mathematics Test

Geometry – MGS21/2

This is a one-year sequence in Geometry that will prepare students to take the Geometry Regents. Topics will be drawn from Euclidean Geometry. Learning to write precise mathematical arguments will be emphasized throughout the course.

Prerequisite: Passing grade in ME22 and on the Integrated Algebra Regents

Geometry – MGS41/2,3,4

This is a two-year sequence in Geometry that will prepare students to take the Geometry Regents. Topics will be drawn from Euclidean Geometry. Learning to write precise mathematical arguments will be emphasized throughout the course.

Prerequisite: Passing grade in ME44 and on the Integrated Algebra Regents

Algebra II/Trigonometry – MRS21/2

This is a one-year sequence in advanced techniques in Algebra and an introduction to Trigonometry that will prepare students to take the Algebra II and Trigonometry Regents. Topics include the Real Number System, solutions of equations and inequalities, functions, conic sections, Trigonometry, Probability and Statistics. Students who pass this Regents, along with the Integrated Algebra and Geometry Regents, will have met the NYS requirements for an Advanced Regents Diploma.

Prerequisite: Passing grade in MG22 and on the Geometry Regents

Algebra II/Trigonometry – MRS41/2,3,4

This is a two-year sequence in advanced techniques in Algebra and an introduction to Trigonometry that will prepare students to take the Algebra II and Trigonometry Regents. Topics include the Real Number System, solutions of equations and inequalities, functions, conic sections, Trigonometry, Probability and Statistics. Students who pass this Regents, along with the Integrated Algebra and Geometry Regents, will have met the NYS requirements for an Advanced Regents Diploma.

Prerequisite: Passing grade in MG44 and on the Geometry Regents

Elective Courses

Math Topics – MQS21QM

This course is intended to prepare students for the City University of New York's Mathematics Assessment Examination in May. Topics covered will be drawn from Intermediate Algebra and Trigonometry.

Prerequisite: Senior standing; Satisfaction of Mathematics Regents Requirement

MSE1-MSE2: Algebra Study Skills

Algebra Study Skills is a course designed to aid incoming freshmen in transitioning into the high school setting by providing them with basic math skills, study skills, test taking strategies, and organizational skills in a small class setting. This course will teach and re-teach basic prerequisite skills which were taught but not mastered in middle school. It will focus on how to take notes and use them to complete homework assignments and study for exams effectively.

The first half of the class is Integrated Algebra, Term 1 of 4, ME41.

Prerequisite: Levels 1-4 on NYS 8th grade Mathematics Test

MLC1-MLC2: Calculator Math

This course is designed to support students in ME the sequence as they prepare for the Integrated Algebra Regents. The class will focus on those Algebra skills essential for success in future courses. Students will frequently use graphing calculators.

Co-requisite: Concurrent registration in an ME sequence

MLG1-MLG2: Geometer Sketchpad

This course is designed to help support students that may encounter difficulty in an MG sequence. The goal is to allow students to visualize proofs and their constructions through the aid of technology; the Geometer Sketchpad program. Assessments will be done informally using computers in class and formally through projects that are submitted electronically.

Co-requisite: Concurrent registration in an MG sequence

MLT1-MLT2: Computer Technology and Data Analysis

This is a course that will teach students how to use advanced document preparation and spreadsheet software. Topics may include Microsoft Office, as well as, basic web-design and databases. Students will be assessed, by units, submitting portfolios. Successful completion will award students a mathematics credit based in a technology course.

Prerequisite: Senior standing; Satisfaction of Mathematics Regents Requirement

ML1PC-ML2PC: C++

This is an introductory course in computer programming. Students will be taught how to use the C++ language. Problem solving using computers will be emphasized with applications drawn from Mathematics and Science.

Prerequisite: Passing grade on Integrated Algebra Regents; Satisfaction of credit requirements in Algebra, Geometry, and Trigonometry

MR21H-MR22H: Honors Algebra II/Trigonometry

This is a one-year course in advanced techniques in Algebra and Trigonometry that will prepare students for the Algebra II/Trigonometry Regents. Topics will include the Properties of Real Numbers; Polynomials and Methods of Factoring, Functions, Graphing techniques; Applications to graphing rational functions; Trigonometric Functions and Equations; Inequalities; Applications to Physical Sciences; Exponential and

Logarithmic Functions; Inverse Functions. Having the designation of Honors, the course will be enriched by exploring further topics in Algebra of Complex Numbers, Polar Coordinates and Functions. The course will finish with an Introduction to Pre-Calculus.

Prerequisite: 75 or higher in MG22 and on the Geometry Regents; Not for credit in-addition to the MR21-MR22 sequence

Pre-Calculus – MPS21/2

This is a course in Pre-Calculus. Topics will be drawn from Analytic Geometry, Advanced Algebra, and Trigonometry; Applications will be drawn from the sciences. The emphasis will be on functions in preparation for Calculus. The course will finish with an introduction to Calculus.

Prerequisite: Passing grade in Algebra II/Trigonometry and on the Regents;
Teacher Recommendation

Advanced Placement Calculus AB – MCS21XAB/2

This is a one-year course in Single-Variable Calculus that will prepare students to take the Advanced Placement Calculus AB Examination in May. Topics will include limits, derivatives, applications of derivatives, integration, applications of integration, and differential equations. Applications will be drawn from Science, Engineering and other diverse areas. Approximation using technology will be emphasized. There is an \$87 fee for the AP examination; Fee waivers may be approved

Prerequisite: 85 or higher in Algebra II/Trigonometry and on Regents; 85 or higher in Pre-Calculus; Teacher Recommendation

ART/MUSIC Course Offerings 2014-2015

Art – DNS21/2

This course introduces students to drawing, theories and Art history. It is a 1 year course meets the requirements for graduation.

Art Medical Illustration – AES21/2

This elective one year course is designed to complement our Medical Biology (Anatomy and Physiology) course. Students complete projects as part of a course of study that enhances their understanding of human anatomy. One term of this course may be used to satisfy the art requirement for graduation.

Music – UAS11QF

This course is an introduction to music. Students learn music appreciation and how to play the recorder. It is a 1 year course which meets the requirements for graduation.

AAS1 Stage Design

This course will end with a full-scale production each semester in which all students will take part. Throughout the semester, the class will learn about and experience the theater by assuming on a rotating basis the various roles of performers, directors, writers, stage managers, producers, and designers, each student will have the opportunity to act, write, direct, draw, measure and design lights, costumes, make-up, sound, etc. as part of our weekly or bi-weekly in-class performances before having a specific role/job to focus on for the Final Production. This course is for performers, technically minded people, and students who have a business mind. This is a hands-on course which will give students an opportunity to learn about and to practice skills which they can use in theater or in other job situations.

SCIENCE Course Offerings 2014-2015

Regents Living Environment – SLS21/2

This is a one-year (two semester) laboratory course that terminates in a Regents examination. The course content deals with the study of living things and their internal and external environments. Students must complete the laboratory component of this class in order to be eligible to take the Regents exams. Students will not be given credit for the class unless they have successfully completed the laboratory component.

Regents Chemistry – SCS21/2

This is a one-year (two semester) laboratory course that terminates in a Regents examination. The course content deals with the study of matter and the properties and structure of atoms, molecules, elements and compounds. Students must complete the laboratory component of this class in order to be eligible to take the Regents exams. Students will not be given credit for the class unless they have successfully completed the laboratory component.

Regents Physics – SPS21/2

This is a one-year (two semester) laboratory course that terminates in a Regents examination. The course content deals with the study of motion, forces, power and work. Students must complete the laboratory component of this class in order to be eligible to take the Regents exams. Students will not be given credit for the class unless they have successfully completed the laboratory component.

It is strongly suggested that any student pursuing a career in the Health professions take all three Regents exams. Successfully completing all three Regents exams will provide the student with an Advanced Regents diploma.

Earth Science SES21/2

Earth science (also known as Geoscience) is the study of sciences as it relates to the planet earth. The major categories of study include an introduction to the origin of earth and the dynamics of our solar system. Students will explore the mystery of earthquakes, volcanoes, and tsunamis and the impact on our physical environment. Included in this course is the study of rocks and minerals, an in-depth study of astronomy, meteorology, topography and landscapes.

Earth science is a Regents level course culminating in a regents exam. This course also includes a mandatory laboratory component consisting of 1200 laboratory minutes to be satisfied upon completion of the course. In conjunction with the written component of the Regents exam this course requires student to complete a practical laboratory exam.

SCIENCE ELECTIVES:

Methods of Scientific Research –SQS61HA/2,3,4,5,6

This three-year program affords students the opportunity to participate in the community of scientific research and scholarship as part of their high school experience. It furthers excellence in performance and achievement while drawing from and developing scientific capabilities in a broad spectrum of the student body. Students learn research methodology in the natural and social sciences by accessing scientific databases, by using on-line bibliographic search techniques, consulting doctoral-level research scholars, developing hypotheses and performing experiments to test them, and by writing research papers and making presentations at scientific symposia. Emphasis is placed upon the formulation of hypotheses and initiation of experiments in consultation with mentors from such prestigious institutions as Rockefeller University, Beth Israel Hospital, NYU Medical Center and Mount Sinai Medical Center, to name a few. This course will prepare the students for the *Intel*

Talent Search Competition. Students are expected to conduct preliminary research in their first year of study while pursuing securing an internship with a mentor. Students are expected to have acquired a mentor by the end of their first year of study. Participation in at least one major competition such as NYCSEF or JSHS is required. Students are also expected to participate in various types of competitions which will be calculated into their grade. Students who complete all the necessary requirements are eligible to receive college credit through the State University at Albany. Students are expected to complete an essay prior to acceptance.

Medical Biology – SWS21QB/2

This course involves the study of the structure and function of the human body. This class will cover topics that include the tissues of the human body, the organs (shapes, sizes and functions), the nervous system (brain and spinal cord): musculoskeletal system, the human eye and a creative look at the life forces that keep us alive. The emphasis of the course will be placed on the laboratory experience with the students. Through a series of dissections and comparative studies of the anatomies of several specimens, the students will be exposed to a plethora of internal and external anatomies for a variety of species. This is a hands-on course and a large component of the work involves group projects and activities.

Juniors and Seniors Only.

Medical Illustrations [ALM1/ALM2]

This is a two-semester course is designed to provide the student with a hands-on creative approach to learning Anatomy and Physiology. Students will use a variety of artistic mediums to express different aspects of human structure and function. This course explores the body's anatomical organ systems through artistic creation and design. **Juniors and Seniors Only.**

Forensics – SFS210/2

This focus of this course is on application of scientific methods and techniques to crime and law. This course is intended to provide an introduction to understanding the science behind crime detection. Scientific methods specifically relevant to crime detection and analysis will be presented with emphasis placed on the techniques used in evaluating physical evidence. The High School for Health Professions and Human Services in collaboration with Syracuse University offers students 4 college credits for a 1 year course. There is a moderate tuition fee for enrollment and financial assistance is available to those eligible through the University of Syracuse. Our teachers have been trained at Syracuse University and participate in annual professional development. Our curriculum is updated annually and reflects current techniques and new technology.

Pre-Requisite:

- *A passing grade in the following courses: Regents Living Environment, Regents Chemistry and or Chemistry in the Community.*
- *A Passing Grade on the Living Environment Regents*
- *Minimum of 85% Average in Science*
- *Open to Seniors and Juniors with AP Approval*

Medical Laboratory and Assisting Program [STA I, II, III, IV, V, VI]

Course Overview

Our Medical Assisting Program is a three year sequence (10, 11, and 12). Progression to 11th and 12th grade is based on the sophomore- junior academic grade point average. This course is designed to involve students in hands on laboratory test procedures and analysis used in the diagnosis, treatment and prognosis of disease as

well as an introduction to business and career and financial management. The course introduces forensics as it is applied to drug analysis and other medical applications. Topics also include medical office procedures and diagnostic testing. This course does not include Forensics as it is applied to criminal investigations. Through the use of state of the art equipment and techniques students will become proficient in scientific research, experimentation, laboratory skills, dissection skills, electrophoresis, computer skills, power point presentations, portfolio and journal writing. Students are required to research and prepare oral presentations.

The sequence includes the study of Career Financial Management which will be given during the student's senior year. This is an online course which is supervised by the teacher. This course is currently under review with Monroe College. Pending articulation agreement students will receive college credit from Monroe College. Also pending contractual agreements students may be required to attend courses at Monroe College during their junior year.

Students will present a research project at the symposia at the end of each year

Course Sequence

Medical Assisting [- SQS61TM/2

Medical Laboratory and Assisting I and II exposes students to the basic concepts in medical technology including medical terminology, appropriate tools and tests for analysis of specimen, anatomy and physiology, hematology, histology, immunology and urinalysis. This course stresses inquiry and has a laboratory component for hands-on application of concepts learned. Both the lecture and lab are critical components of this course.

Medical Assisting SQS63TM/4

Medical Laboratory and Assisting III and IV incorporates anatomy, physiology and pathology in a project-based learning environment. This course utilizes scientific inquiry and medical technology. Students are given the opportunity to explore medical conditions, differential diagnoses, diagnostic tools, and conventional (as well as a holistic) approaches to treating illnesses. Students learn to identify different medical problems that exist in various parts of the world, and the impact the medical profession can have on disease treatment, control and eradication. This course prepares students for state and college level exams.

Medical Assisting SQS65TM/6

Medical Laboratory and Assisting V and VI focuses on work duties expected from a Medical Assistant. These topics include medical office procedures, general laboratory procedures and diagnostic testing, clinical procedures, patient instruction, pharmacology, emergency care, vital signs, specimen collection, billing and coding, medical insurance, law and ethics and foundations of health care. The use and importance of medical terminology will be introduced at the beginning of the course which will help students in analyzing medical case studies. Anatomy and physiology will also be revisited. This course stresses inquiry and hands- on laboratory activities for all concepts learned. The course will terminate with the NOCTI exam (A National Assessment Exam) in Medical Assisting.

The course is aligned with State/Industry Standards.

Prerequisites:

- Satisfactory completion of 9th grade core curriculum
- Minimum grade point average 75%
- Students with a deans record may not be considered for the program

- Teacher and AP recommendation. Students must get a letter of recommendation from their Living Environment teacher
- Students in the 10th grade must be enrolled in a Chemistry class and maintain a minimum passing grade of 70 in this class. Regents chemistry is preferred however a student in good standing enrolled in Introduction to Chemistry (Chemistry in the Community) will be considered with teacher recommendation
- Students may be required to attend an extended day (Period 0 or 9)
- Students are expected to attend various competitions and or conferences
- Participation in the Science Symposium required
- NOCTI assessment will be given in the junior or senior year. This assessment aligns state and industry standards
- Students may also be required to attend classes at a college campus

Nutrition and Exercise Science –SQS21QN/2

This course will provide students with an in depth study into the combined disciplines of nutrition and exercise science. The role of food and physical activity in the promotion of health and wellness will be thoroughly examined. Both theoretical and practical approaches are emphasized. Participation in physical activity is mandatory. This course serves as a great launch pad for those interested in becoming Cardiac Therapists, Clinical Physiologists, Dieticians, Certified Personal Trainers, and Physical Educators.

Pre-Requisite: Completion of Living Environment Course with a minimum grade of 70

Chemistry in the Community

This course will fulfill the Physical Science component necessary for graduation. This course does not culminate in a Regents Exam. The goal of this course is to help students develop an understanding of chemistry, develop problem solving and thinking skills, and recognize the importance of chemistry in everyday life. Students will have the opportunity to advance to a Regents Chemistry class if they satisfactorily meet the course requirements.

Physical Science –SPS21QC/2

This course is designed to introduce the student to basic concepts of chemistry and physics. Students will engage in laboratory activities and will be required to complete portfolio activities. Students will have the opportunity to advance to a Regents Chemistry class and or a Regents Physics class if they satisfactorily meet the course requirements. This course does not culminate in a Regents exam but satisfies the Physical Science component for graduation.

THE FOLLOWING ADVANCED PLACEMENT COURSES ARE OFFERED TO THE STUDENTS. THE ADVANCED PLACEMENT COURSE OR COURSES THAT ARE SELECTED BY THE MAJORITY OF THE STUDENTS WILL BE THOSE THAT ARE SCHEDULED FOR THE SCHOOL YEAR.

Advanced Placement Biology – SBS21X/2

A detailed college-level study of the concepts and processes introduced in the Regents Living Environment course, culminating in the Advanced Placement examination. There is an emphasis on the chemical basis of life, biological processes on the cellular and molecular level and the analysis and interpretation of data. Genetics will be studied extensively. Teacher and Counselor recommendation and AP approval is required. A student contract is also required.

Course Requirements: Assistant Principal Approval

Pre-requisite or concurrent requisite: A passing grade on the Chemistry Regents examination or an anticipated passing grade.

Advanced Placement Chemistry – SCS21X/2

This is a college level continuation of the work that had its foundation in the Regents Chemistry course. The emphasis of this course is on quantitative analysis rather than interpretative of chemical phenomena. The students are expected to have a complete grasp of nomenclature, stoichiometry and the basic concepts of acid-base theory, organic chemistry, nuclear chemistry and equilibrium before entering the Advanced Placement course. Teacher and Counselor recommendation and AP approval is required. A student contract is also required.

Course Requirements: Assistant Principal Approval

Pre-requisites: *Three years of sequential mathematics. Some pre-calculus is also introduced in this course.*

Advanced Placement Physics – SS21X/2

AP Physics B is an advanced placement science course that is separated into nine different sections of study: Newtonian Mechanics, Electricity, Magnetism, Fluid Mechanics, Thermal Mechanics, Optics, Atomic, and Nuclear Physics

Course Requirements: Assistant Principal Approval.

HEALTH EDUCATION – PHS11

Now is the time to start taking control of your own health. In the last five years, as you have become more physically and emotionally mature, you have also become more independent. You have begun to make many of the decisions that adults used to make for you. How many of your own food choices do you now make? Who decides how much exercise you should do? Who chooses your friends? Who decides what you should do with your friends? More and more, the answer is you. This course is designed to provide the students with the necessary information to make responsible decisions about their lifestyles. They will acquire knowledge that will give them the ability to create and maintain a safe and healthy environment and maintain personal health. In addition, the students will be given information about career choices in the Health Care Professions so that they can plan the most viable course of action when making their choice of colleges.

PHYSICAL EDUCATION Course Offerings 2014-2015

All 12th Grade students can select from our menu of courses: * Students must take 8 terms of Physical Education in order to graduate.**

BALLROOM DANCING - PQS21QB/2

This full one-year course will teach students the basics of ballroom dancing. Dances such as the tango, rumba, cha-cha, waltz, meringue, fox trot and swing will be included.

The dance steps will be taught by a teaching artist and will be practiced with the assistance of a physical education teacher. Students will be able to demonstrate their dancing techniques at a culminating activity each semester. A Physical Education credit will be awarded for this course.

WEIGHT TRAINING/TRACK – PFS21QW

Students work individually on the various machines and with free weights for a variety of personal goals. Some students design a weight loss program and others design a program for muscle strength and endurance. Each

student is responsible for his or her own goals and works at their personal best target rate. This is an excellent choice for the student athletes in the school who design a program to help increase muscle, rate and stamina.

PHYSICAL EDUCATION - PFS

This course will consist of most team sports (volleyball, basketball, etc.) individual sports (tennis, badminton, etc.) and basic everyday fitness (walking, running, stretching, etc.)

GUIDANCE/MISCELLANEOUS ELECTIVE CREDIT 2014-2015

SCHOOL SERVICE/ GSO – GSM21/2

School service is a route towards earning an elective credit offered to eligible students giving them the opportunity to improve what they learn in school in relation to the outside world. This opportunity allows them to reflect on their experience and reinforce the link between their service learning and daily instruction. Students who perform school service will earn **one** credit per term for completing 54 hours. Credits through School Service may be earned through various service learning opportunities.

Examples of these are: assisting Guidance Counselors, Teachers, Assistant Principals, working in the school library, assisting other faculty/staff members. Students registered for School Service are tracked on a daily basis and are required to sign in each day in the office of the Assistant Principal of Pupil Personnel Services (room 206). Credit is approved by the Assistant Principal for Pupil Personnel Services upon completion of their hours.

RESOURCE ROOM/GYI (NON-CREDIT)

Resource Room Services is an individualized supplemental course designed around a student's academic, functional and transitional needs. This course facilitates the student's individual progress through high school by providing a safe, supportive, and structured learning environment where students progress at their own pace by focusing on developing specific academic skills that will support their academic work in their subject classes. Based on the student's identified individual needs and learning style, the student receives an array of supplemental or specially designed instruction in academic areas that may include adapted content material/exams, remedial material, specific visual aids, computer based learning, and other modifications.

Further this course will support and focus on the student's movement through high school to student selected post-high school educational, vocational, and employment opportunities. This process is facilitated through an array of transitional activities such as maintaining a career/transition portfolio, obtaining documents required for post-high school education and employment, and applying for summer youth employment or other internship/employment programs during high school.

COMMUNITY INTERNSHIP PROGRAM/GMA9 (NON CREDIT)

The Community Internship Program prepares students for real-world experiences by providing a thorough understanding of community service, work ethics and organizational and leadership skills. The program, in collaboration with diverse internship programs throughout the City of New York, promotes a variety of choices to match our students' ambitions and goals. Interns gain valuable experience that will help them prepare for college and their careers. The program is a three-year sequence that begins in the 10th grade and is completed by 12th grade.

- All 10th-grade students enrolled in the program must complete eight seminar sessions
- Upon satisfactory completion of each semester's requirements, participants will receive one academic credit, pending New York State approval
- Students may earn four academic credits through an internship
- Students must present a final project/portfolio at the end of their internship program
- Students must have and maintain a grade point average of 80 or above and be a student in good standing

PACE UNIVERSITY'S LIBERTY PARTNERSHIPS PROGRAM SEMINAR

Objectives:

The course is created to bring members of the Pace University's Liberty Partnerships Program (LPP) together and to provide members with a safe, supportive, and friendly environment. Its goal is to increase members' awareness of the social efficacy and enrich the high school experience with practical skills for higher education and/or the workforce. This seminar will bring early college awareness to students and prepare them for higher education. This seminar will arm students with the necessary tools to succeed both in high school and beyond. Through intensive course work students will develop and master skills to enhance their overall life experience.

Course Design:

LPP Seminar will be taught by LPP staff. **The course is designed to meet twice a week for ninety minutes, during the academic year from September to June, a total 60 hours.** It is designed to maximize students' learning through self-reflection, group activities, group discussion and presentations. Students will exchange ideas with each other and engage in friendly debate. Students are encouraged to openly communicate, inform us of the topics they want to discuss and the needs of their groups. All participants will be required to keep a weekly reflection journal of their weekly activities. Students are to keep a portfolio of standardized test registration, reflection journals, personal statements and college essays, resumes, results of college search and career interest inventory, result of financial aid forecaster, and/or list from scholarship search. **Upon completion of all assignments and mandated hours, 1 credit will be awarded.**

Grade 10

This seminar will build on students' strength and weaknesses both academically and socially. Student will learn about self advocacy, decision making, time management, forming healthy relationships and the importance of networking. Students will be required to maintain a journal to work on their grammar and writing skills.

Grade 11

Students will learn about higher education and the business of college admissions. They will determine their likes and dislikes to assist them in creating a prospective list of colleges. Students will be exposed to money management and financial aid planning. Case studies and mock admissions sessions/interviews will prepare students for the college admissions process. Students will meet with Admissions Representatives to learn about different institutions. Students will be writing reflection journals in addition to college essay writing.

Grade 12

It's time to apply to college! Students will be assisted with applying to colleges. They will be ready for the financial aid process. Transition to college workshops will prepare students for their next step through Alumni experiences. Alumni will speak with students about their experiences and discuss challenges faced and any concerns they have. Students will share and exchange ideas and create a supportive environment.

Expectations:

Students will be required to attend all classes for this seminar to be effective. This is expected of all LPP members. Students are expected to comply with **ALL** ground rules, which will be further explained on the first day of class. Remember that you will soon be in college, so this class will be treated as if you are in a college class.