

Students entering 9th grade in 2017-2018 school year.

GROUP 1: STUDIES IN LANGUAGE & LITERATURE

Q*Pre-IB English 2 (1001810)

Grade Level: 9 Length: 1 Year

Prerequisite: IB Acceptance

The PIB English course marks the beginning of a serious study of literature: analysis of dramatic, poetic, and narrative text as it reveals character and theme and as it creates reader response. Oral and written assessments emphasize the ability to analyze critically and think independently. Assignments in vocabulary, language, and composition are based on the study of literature. *Earns 0.5 Quality Point

Q AP English Language & Composition (1001420)

Grade Level: 10 Length: 1 Year

Prerequisite: PIB English 2

The AP course stresses literary and language study that includes written and oral assignments to prepare students for the AP Language and Composition exam. Central to the course is critical analysis and independent thinking through the study of literature as text. The major area of emphasis is narrative technique as it reveals character and theme and as it creates reader response. Also included are areas of vocabulary, language, and composition. **Students are required to take the mid-term exam in this class.**

Q IB/AP English Literature & Composition (HL/SL) (1001430)

Grade Level: 11 Length: 1 Year

Prerequisite AP English Language & Composition

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

Q IB English Literature 4 (HL/SL) (1001830)

Grade Level: 12 Length: 1 Year

Prerequisite: AP English Language and AP English Literature.

The IB English 4 course stresses literary and language study that includes written and oral assignments to prepare students for the IB exam/exit assessments. Central to the course is critical analysis and independent thinking through the study of literature as text. The major area of emphasis is narrative technique as it reveals character and theme as it creates reader response. Also included are areas of vocabulary, language, and composition. **Students are required to take the mid-term exam in this class.**

Group 2: LANGUAGE ACQUISITION

Q* Pre-IB Spanish 1 (0708800)

Grade Level: 9 Length: 1 Year

Prerequisite: IB Acceptance

This course is design for students with no previous study of Spanish. Students will start to communicate using basic language expressions, vocabulary and grammar. The present tense will be introduced and mastered through the study and practice of all four skills of language learning; listening, speaking, reading and writing. Students will begin to learn about the daily lives of people in various Spanish-speaking regions. Language skills are reinforced through video segments, reading selections, music, and cultural notes. Mastery of grammatical principles and acquisition of vocabulary are emphasized. *Earns 0.5 Quality Point.

Q* Pre-IB Spanish 2 (0708810)

Grade Level: 9 or 10 Length: 1 Year

Prerequisite: IB acceptance and Spanish 1

Students will study and begin to communicate using preterit and imperfect tenses through the study and practice of all four skills of language learning; listening, speaking, reading and writing. Students continue to learn about the daily lives of people in various Spanish-speaking regions. Language skills are still reinforced through video segments, reading selections, music, and cultural notes. Mastery of grammatical principles and acquisition of a working vocabulary continues to be emphasized. *Earns 0.5 Quality Point.

Q* Pre-IB Spanish 3 (0708820)

Grade Level: 10 Length: 1 Year

Prerequisite: PIB Span 2

Students in this course will master the grammatical structures in Spanish through listening, speaking, reading, and writing. Emphasis will be placed on increasing vocabulary and refining its use, including idioms. Students will be required to write original compositions, prepare improvised short speeches, and read short authentic articles related to the culture of Spanish-speaking countries. Earns 0.5 Quality Point.

Q IB Spanish 4 (HL/SL) (0708830)

Grade Level: 11 Length: 1 Year

Prerequisite: Pre IB Spanish 1 & 2

The presentation, explanation and review of grammatical structures and vocabulary are an integral part of this course. Listening, speaking, reading and writing skills are developed using a wide range of resources, from online articles to Spanish newspapers, songs, and radio and television programs. These resources explore aspects of the Hispanic culture and the topics of study as identified by the IB Organization. The class is conducted in Spanish. Students learn to manipulate the text formats needed for the IB exams. HL students read literary works.

Q IB Spanish (Senior Year)
IB Spanish 5 (SL) (0708840)
IB Spanish 6 (HL) (0708865)

Grade Level: 12 Length: 1 Year

Prerequisite: IB Spanish 4

The main objective of this course is to prepare students to take the IB Spanish SL or HL examinations. The class is conducted in Spanish. The mastery of grammatical structures and vocabulary is an integral part of this course. This course comprises three parts: language, texts and cultural awareness. These aspects are fully integrated into the topics of study as identified by the IB Organization. All language skills (listening, speaking, reading and writing) are studied through a range of authentic texts and materials. Students master the text formats needed for the IB exams. HL students ready literary works. **Students are required to take the mid-term exam in this class.**

Q* Pre-IB French 1 (0701800)

Grade Level: 9 Length: 1 Year

Prerequisite: IB acceptance

This course is designed for students with no previous study of French. Students will communicate on various themes using basic language expressions, vocabulary and grammar. The present, past, and near future tenses will be introduced and mastered through the study and practice of all four skills of language learning: listening, speaking, reading and writing. Students will learn about the people, cultures, and geography of various French-speaking regions. Language skills and the study of the culture are reinforced through video segments, reading selections, and online research and practice. ***Earns 0.5 Quality Point.**

Q* Pre-IB French 2 (0701810)

Grade Level: 9 or 10 Length: 1 Year

Prerequisite: IB Acceptance *and* French 1

Students will work toward proficiency in French through the building of listening, speaking, reading, and writing skills. The course has an emphasis on oral and written expression. Student will record dialogues and write original compositions. Course work includes mastery of basic grammatical principles and acquisition of a working vocabulary in French through the study of geographic, ethnic and cultural aspects of the French speaking world. This class is taught primarily in the target language. Earn 0.5 Quality Point.

Q* Pre-IB French 3 (0701820)

Grade Level: 10 Length: 1 Year

Prerequisite: PIB French 2

This course, instructed entirely in French, will include necessary grammatical structures for refining already acquired skills in French. Material covered in the previous years will be reviewed, and there will be increased practice and drills of appropriate speech patterns and sounds. The student's vocabulary will be enriched, and practice in oral and written expression will be emphasized. Idiomatic usage will be highlighted to render a richer style in communication. Earn 0.5 Quality Point.

Q IB/AP French Language (HL/SL) 4/0701380

Grade Level: 11 Length: 1 Year

Prerequisite: IB French 3

This course covers all six of the AP themes. Students will master intermediate grammar in level 4. French is the primary language and students will be required to read articles and literary works in French (HL). This course will also include an introduction to advanced grammar and composition as well as class conversations and oral reports. All students at this level will be registered to take the AP French Language and Culture Examination unless they specifically request to be excluded. **AP students are required to take the mid-term exam in this class.**

Q IB French (Senior Year) IB French 5 (SL) (0701840) IB French 6 (HL) (0701865)

Grade Level: 12 Length: 1 Year

Prerequisite: IB French 4 1 Credit

This course prepares students to take the IB French standard or higher level examinations. Students are required to speak French in class, master advanced grammar topics, and learn vocabulary dealing with literature and topics of life and civilization based on the IB Common Core themes and Options. Oral presentations, class discussions, conversation and writing compositions are integral parts of the course. **Students are required to take the mid-term exam in this class.**

Group 3: Individuals & Societies

Q* IB Inquiry Skills (1700360)

Grade Level: 9 Length: 1 Year

Prerequisite: Acceptance in IB

The goal of Inquiry Skills is to prepare students for success in the IB Program. A variety of topics are covered in this year long class, which include organizational skills, note-taking skills and time management strategies. Additionally, the course introduces the writing and research style used in most IB classes. Students will study the informational processing model of memory including techniques to improve their retention skills. Other psychology topics include social psychology, personality as well as critical thinking methods. A writing component is included most six weeks in which students practice writing as well as creating papers using the MLA style. Earns 0.5 Quality Point.

Q* U.S. History Honors (2100320) (EOC Course)

Grade Level: 9 Length: 1 Year

Prerequisite: IB Acceptance

This course provides students with the opportunity to acquire an in-depth and comprehensive understanding of American History—the chronological development of the American people by examining the political, economic, social, religious, military, scientific, and cultural events that have affected the nation, from the causes of the Civil War to the 21st century. **Students are required to take the mid-term exam. They are required to take the US History EOC which counts as 30% of final Grade.** Earns 0.5 Quality Point.

Q* Pre-IB World History (2109810)

Grade Level: 10 Length: 1 Year

Prerequisite: IB Acceptance

This class uses a thematic approach to the study of history with the focus on how history helps explain current events. Students will study the historical, cultural and geographic background necessary for an understanding of global political, social and economic issues through the use of interactive methods including a Model United Nations simulation and other role playing experiences. Course requirements include reading History of the World in 6 Glasses by Tom Standage, Hearts of Darkness by Joseph Conrad, and participate in History Day presentation. Students are required to take the mid-term exam. Earns 0.5 Quality Point.

Q* IB Philosophy 1 (2015860)

Grade Level: 10 Length: 1 semester

Pre-requisite: IB status Earns .5 credit

The course will focus on the definition and application of philosophy, including IB philosophy, appropriate vocabulary, and the idea that each person has his/her own philosophy. Each element is instructed in coordination with developing the Approaches to Learning (ATL). Earns 0.5 Quality Point.

Q* Pre-IB American Government (2106800) (EOC Course)

Grade Level: 10. Length: 1 semester

Pre-requisite: IB status. Earns .5 credit

This course will provide students with an understanding of the development of modern political ideologies. It will emphasize the nature of democratic, Communist, and Fascist states. Special attention will be devoted to American Government and political behavior. **Students are required to take the End of Course Exam in this class.** Earns 0.5 Quality Point.

Q IB Theory of Knowledge

IB Theory of Knowledge 1 – 11th Grade (0900800)

IB Theory of Knowledge 2 – 12th Grade (0900810)

Grade Level: 2nd semester junior year and 1st semester senior year

This class, a required course for the IB Diploma, encourages critical thinking about knowledge itself in an effort to understand both the strengths and limitations of the subjects studied while an IB student, as well as the larger world each student encounters. Its core content centers around the question: how do you know? This two semester course requires all students to take the final exam at the end of the second semester.

Seniors are required to take the mid-term exam in this class.

Grade: 11 (semester one): Students are introduced to the requirements of the core of the IB Program. This includes, but is not limited to CAS (Creativity, Activity & Service), academic research and writing skills for the Extended Essay and the importance of TOK in the IB curriculum. CAS, EE, & TOK make up the IB Core.

Grade: 12 (semester two): Students engage in a study of “life skills”-based learning, including the creation of a professional resume, how to conduct a successful interview, and interpersonal skills. Students deal with the role and dangers of social media and how to make social media work for them positively. The course develops IB testing skills as well as closure to the CAS process that began in TOK 1, Semester 1.

Q IB History of the Americas (2100800) (HL/SL)

Grade Level: 11 Length: 1 Year

Prerequisite: IB acceptance

Students will engage in a comparative study of Europe, the Far East, and the United States in the twentieth century. They will study social, economic, and political history by examining the causes and practices of war, rise of single party states, and how major world events impact people- directly and indirectly. Activities such as interviews, small group discussion, and historical debate will be used to encourage an in-depth understanding of people and their time and develop critical thinking and writing skills. This is the first year of the two-year IB history program.

Q IB Contemporary History (SL) (2109800)

Grade Level: 12 Length: 1 Year

Prerequisite: IB History of the Americas

Students understand the development of the contemporary world within the context of the 20th century. Topics to be studied include origins, nature, policies, developments and end of the Cold War. In addition, causes, practices and effects of war in the 20th century, single party states, especially in Latin America, and democratic states in crisis. Guided Course Work, an internally assessed paper is required. **All students are required to take the first semester exam.**

Q IB Contemporary History (HL) (2109805)

Grade Level: 12 Length: 1 Year

Prerequisite: IB History of the Americas

Students will continue their study of the 20th Century by examining the social and political conflicts of the 1960's through the controversies facing the Americas in the 21st Century. Case studies will enable students to debate such topics as American policy in the Cold War, specifically toward Korea, China, Cuba, the Vietnam War, and détente. In addition, the effects of the Great Depression in Latin America, as well as political developments in the Americas after World War II will be studied in depth. Students will gain an understanding of the relationship between Latin America, the United States, and the rest of the world. Students will develop an appreciation for the study of history as content for understanding the 20th Century, to current times and as a method of critical thinking and life-long learning. Guided Course Work, an internally assessed paper is required. **All students are required to take the first semester exam.**

GROUP 4: SCIENCES

Q* Pre-IB Biology 1 (EOC Course) (2000800)

Grade Level: 9 Length: 1 Year

Prerequisite: IB acceptance

This course is designed as a biological survey course and preparation for the State End of Course exam (EOC). Laboratory investigations are emphasized. Students will be evaluated by performance on tests, laboratory reports, and class activities. In-depth study of the following topics will be included: scientific methods, biochemistry, cell biology, genetics, ecology, human anatomy and physiology. **Students are required to take the mid-term exam and the EOC exam in this class, counts for 30% of final grade.** Earns 0.5 Quality Point.

Q IB Biology (HL/SL)

11th Grade- IB Biology 1 (2000805) (HL/SL)

12th Grade- IB Biology 2 (2000810) (SL)

12th Grade – IB Biology 3 (2000820) (HL)

Grade Level: 11-12 Length: 1 Year ea.

Prerequisites: Pre IB Bio and Pre IB Chem.

This course prepares students for the IB Biology examination which is taken at the end of the senior year. The major areas studied include statistics; cell biology; biochemistry; genetics; ecology and evolution; and human anatomy & physiology. Independent experimental design; presentation and processing of data and conclusion and evaluation are emphasized. Students are evaluated on tests and laboratory work. The major difference between standard and higher level is the depth of study and understanding of each topic. **Seniors are required to take the mid-term exam in this class.**

Q* Pre-IB Chemistry 1 (2003800)

Grade Level: 10 Length: 1 Year

Prerequisite: IB Acceptance

This course is a foundational course in chemistry. The goal of the course is to develop practical and conceptual problem solving skills for the physical sciences. Students will be evaluated by performance on tests and in lab. Topics of study include measurement, kinetic theory, atomic theory, periodicity, bonding theories, chemical reactions and relationships, and more. Practical work focuses on laboratory technique and analysis. Earns 0.5 Quality Point.

Q IB Chemistry (SL)

11th grade-Chemistry 1 (2003805)

12th grade-Chemistry 2 (2003810)

Grade Level: 11-12 Length: 1 Year ea.

Prerequisite: Pre IB Chemistry

The course takes a more in-depth look at the topics covered in Chemistry 1 and extends study to include energetics and thermochemistry, acid-base chemistry, kinetics, equilibrium, and oxidation-reduction, as well as a topical unit of study like medicinal chemistry. Students will be evaluated on tests and laboratory work. This course is appropriate for both students with an interest in future studies in the sciences, medicine, or engineering, as well as for students intending to pursue non-science majors. As the central science, chemistry is an excellent “6th subject” choice for students taking a HL science, especially for those who intend to study a science, engineering or medicine. **Seniors are required to take the mid-term exam in this class.**

Q Physics 1 Honors (2003390)

Grade Level: 10 Length: 1 Year

Prerequisite: IB acceptance, Pre-IB Biology, MYP Algebra 2

This course serves as a foundational course in physics. The goal of this course is to hone critical thinking, conceptual problem solving, and application of math skills useful in all branches of science. Student performance is evaluated primarily through quizzes, tests, labs, and projects. The major topics covered in this course are measurement, kinematics, dynamics, and electromagnetism. Other topics may include thermodynamics, optics, and basic circuitry.

Q IB Physics

11th Grade IB Physics 1 (2003840) (HL/SL)

12th Grade IB Physics 2 – (2003845) (SL)

12th Grade- IB Physics 3 – (2003850) (HL)

Prerequisite: Successful completion of Physics I Honors course offered at SPHS. Online Physics classes **do not** meet the prerequisite.

This course increases the depth and scope of the Physics 1 Honors course to encompass the entire IB Physics curriculum. The core topics of study are measurement, mechanics, thermal physics, waves, electricity and magnetism, circular motion and gravitation, atomic, nuclear, and particle physics, and energy production. Additionally, the class will focus on one of four options: relativity, engineering physics, imaging, or astrophysics. Students taking IB Physics HL will also encounter wave phenomena, fields, electromagnetic induction, and quantum and nuclear physics. The option also includes two HL specific subtopics. Student performance is evaluated through quizzes, tests, labs, and projects. Physics is the foundation for many fields of study including chemistry, architecture, and engineering. This course is designed to provide the necessary skills and background knowledge to succeed in any STEM field. **Seniors are required to take the mid-term exam in this course.**

GROUP 5: Mathematics

Q* IB MYP Algebra 2 (1200395)

Grade Level: 9 Length: 1 Year

Prerequisite: Alg. 1 H 1 credit and passing score on Algebra 1 EOC

This course studies algebraic topics in-depth with emphasis on theory and development of formulas and their applications. Topics shall include but not be limited to, arithmetic and geometric sequences and series; inverse relations; transforming and building functions; polynomials and rational functions and equations; exponents and radicals, exponential and logarithmic functions; probability and statistics; matrices; complex numbers, conic sections and trigonometric functions. **Students are required to take the mid-term exam in this class, counts for 30% of final grade.** Earns 0.5 Quality Point

Q* IB MYP Geometry (1206810) (EOC Course)

Grade Level: 10 Length: 1 Semester

Prereq: Alg. 1 H, Alg. 2 H. 1 credit

This course gives a rigorous in-depth study of geometry with emphasis on methods of proof and the formal language of mathematics. Topics shall include, but not be limited to, structure of geometry, separation of properties, angle concepts, triangles, quadrilaterals, proofs, perpendicularity and parallelism in a plane/space, similar polygons, circles and spheres, constructions, area and volume, coordinate geometry, and transformational geometry. **Students are required to take the EOC exam in this course, counts for 30% of final grade.** Earns 0.5 Quality Point.

Q* Trigonometry Honors (1211300)

Grade Level: 10 Length: 1 Semester

Prerequisite: Alg. 2 H. Earns .5 credit

This course studies circular and trigonometric functions and their applications. Topics shall include, but not be limited to, circular functions; trigonometric identities, graphs of trigonometric functions; particular and general solutions equations; and solutions of right and oblique triangles. Earns 0.5 Quality Point.

Q* Analysis of Functions Honors (1201315)

Grade Level: 10 Length 1 Semester Earns .5 credit

Prerequisite: Algebra 2 Honors and Geometry Honors

The purpose of this course is to analyze the similarities among exponential and logarithmic functions, trigonometric and circular functions, and polynomial functions. Topics shall include, but are not limited to, linear and quadratic models, transformations of data and graphs, exponential and logarithmic models, trigonometric and circular models, permutations, combinations, sequences, series, and graphs and operations with polynomials. Applications of topics will be emphasized. Graphing calculators are used throughout this course. Earns 0.5 Quality Point.

Q* Pre-Calculus Honors (1202340)

Grade Level: 10 Length: 1 Year

Prerequisite: Geom. H, Alg. 2H with final grade or A or B

This course emphasizes the study of functions and other skills necessary for the study of calculus. Content should include, but not be limited to, polynomial, rational, exponential, inverse, logarithmic, and circular functions sequences and series; concept of limits; vectors; conic sections; polar coordinate systems; mathematical induction; and matrix algebra. Earns 0.5 Quality Point.

Q IB Math Studies (SL)

11th Grade- IB Math Studies(1209800)

12th Grade- IB Stats & Introductory Differential Calculus (1210310) –

Grade Level: 11-12 Length: 1 Year each

Prerequisite: Alg. 2 PIB, Geom./Trig PIB

This course is designed to provide a realistic mathematics course for students with varied backgrounds, and abilities. Skills needed to cope with the mathematical demands of a technological society are developed and emphasis is placed on the application of mathematics to real-life situations. A substantial research project is required in this program in which mathematical techniques are used to define a problem and search for ways of solving it. Each candidate will undertake investigations individually and as a member of a team in order to apply mathematical skills and knowledge to everyday situations. Topics included in this program are functions, properties and applications of variations, approximation error, algorithms, statistics, probability, sets, logic sequences, financial mathematics, and trigonometry. **Seniors are required to take the mid-term exam in this class.**

Q IB Mathematics (SL)

11th Grade- IB Pre-Calculus (1202375) OR

AP Calculus AB (1202310) (requires teacher recommendation)

12th Grade- IB Calculus/Descriptive Statistics (1202810)

The SL Math program provides a background of mathematical thought and a reasonable level of technical ability for those not wishing to take Mathematics at Higher Level. It is intended to provide a sound mathematical basis for students planning to pursue studies in chemistry, economics, geography, and business administration. The program requires a substantial amount of background knowledge and contains a wide variety of mathematical topics such as logarithms, sequences and series, linear and quadratic equations and inequalities, graphs, the Binomial Theorem, similarity, arcs and sectors, trigonometry, functions, differentiation, integrations, applications of integration, vectors, matrices, probability and statistics. All students are required to participate in A Mathematical Investigation. Those students recommended for AP Calculus AB will in the 11th grade take the course titled Advanced Placement Calculus AB, however, it covers many more topics than specified by the AP Program, especially in the second (senior) year where the focus is the International Baccalaureate curriculum.

Following is a description for each course.:

Q IB Pre-Calculus (1202375) (SL)

Grade Level: 11 Length: 1 year.

Prerequisite: Teacher recommendations.

This course provides all calculus topics outlined in the IB Mathematics SL curriculum. It is less rigorous than the AP Calculus AB topics. Topics include, but are not limited to limits, differential and integral calculus. All students are required to participate in the Mathematical Investigation which is graded according to the IB markscheme.

Q IB/AP Calculus AB (SL) 1202310)

Grade Level: 11 Length: 1 year.

Prerequisite: Pre-Calculus and teacher recommendation.

This course provides an extensive study of the general theory and techniques of calculus. The content is specified by the AP Program, and includes the study of functions, graphs and limits; derivatives and integrals. Upon completion of the course, all students shall take the Advanced Placement Examination. All students are required to participate in the Mathematical Investigation which is graded according to the IB markscheme.

Students are required to take the mid-term exam in this class.

Q IB Mathematics (SL)

12th grade – IB Calculus/Descriptive Statistics (1202810).

Grade Level: 11 Length: 1 year.

Prerequisite: IB Pre-calculus (1202375) OR AP Calculus AB (1202310). 1 Credit.

This course provides all remaining topics outlined in the IB SL Mathematics Syllabus, outside of the calculus topics studied in the junior year. These topics include, but are not limited to functions, trigonometry, vectors, complex numbers, probability and statistics. **Students are required to take the mid-term exam in this class.**

IB Mathematics-(HL)

HL Math is designed for students with a good background in mathematics who are competent in a range of analytical and technical skills. The majority of these students will be expecting to include mathematics as a major component of their university studies, either as a subject in its own right or within courses such as physics, engineering and technology. Others may take this subject because they have a strong interest in mathematics and enjoy meeting challenges and engaging its problems. The 11th grade course is titled Advanced Placement Calculus BC, however, it covers many more topics than specified by the AP Program, especially in the second (senior) year where the focus is the International Baccalaureate curriculum.

Following are descriptions of each HL course:

Q IB/AP Calculus BC (HL) (1202320)

Grade Level: 11 Length: 1 Year

Prerequisite: Pre-Calculus and teacher recommendations. 1 Credit

This course provides all the topics outlined In AP Calculus AB (see above) but also includes A more in-depth look at those topics along with the Study of polynomial approximations and series. AP Calculus BC is equivalent to 2 semesters of engineering college Calculus. **All AP students are required to take the mid-term exam in this class.** Upon completion of the course, all students shall take the Advanced Placement Examination. All students are required to participate in the Mathematical Investigation which is graded according to the IB markscheme.

Q IB Advanced Calculus (1202830)

Grade Level: 12 Length: 1 Year

Prerequisite: IB/AP Calculus BC

This course provides all remaining topics outlined in the IB HL Math Syllabus outside of the calculus topics studied in the junior year. These topics include, but are not limited to, vectors, complex numbers, mathematical induction, and probability & statistics. **Students are required to take the mid-term exam in this class.**

IB Sixth Subject: Students can choose one of the following courses or an additional science course.

Q ITGS- Information Technology in a Global Society-1 (0200890) (HL/SL)

Grade Level: 11 Length: 1 Year

Prerequisite: IB Acceptance

This is the first course of a two-year program in Information Technology in a Global Society to prepare students for the IB examination. Topics studied include hardware, software, networks, the Internet, personal and public communications, multimedia/digital media, databases, spreadsheets, modeling and simulations, project management, robotics, artificial intelligence and expert systems. Hands-on computer applications are combined with study of the social and ethical implications of the various IT developments on society.

Q IB ITGS 2 (0200900) (SL)

IB ITGS 3 (0200910) (HL)

Grade Level: 12 Length: 1 Year

Prerequisite: IB ITGS 1

This is the second course of a two-year program in Information Technology in a Global Society to prepare students for the IB examination. Written and oral assignments emphasize the ability to analyze and evaluate the social and ethical implications of IT developments. Students will develop an original IT product for a specified client. *Higher Level students will investigate a particular IT system related to a case study. **Seniors are required to take the mid-term exam in this class.**

Q IB Psychology 1 (HL/SL) (2107800)

Grade Level: 11 Length: 1 Year

Prerequisite: IB status

Students study how behavior is affected by biology, cognitive, and cultural influences. Sample topics include eyewitness memory, aggression, gender differences in math performance, the genetics of depression, neuroethics, and how children develop language. Students have many opportunities to apply their knowledge with projects such as interviewing children, designing an experiment, and practicing Tai Chi for stress management.

Q IB Psychology (Senior Year)

IB Psychology 2 (SL) (2107810)

IB Psychology 3 (HL) (2107820)

Grade Level: 12 Length: 1 Year

Prerequisite: Psych I-IB

Much of the second year of IB Psychology is spent studying Health Psychology and Abnormal Psychology in great depth. Review for the IB exam is an important aspect of the course. Students continue to study and build on topics and concepts from Psychology One. **Students are required to take the mid-term exam in this class.**

- The PSAT-NMSQT is administered for all ninth and tenth grade students to provide teachers with data about individual student strengths and areas in need of further development in mathematics, reading and writing. The PSAT also provides students with feedback about where they are on the continuum of preparation for higher education, online resources to target areas in need of improvement and online college and career planning tools.
- IB students in the 11th grade are required to take the PSAT-NMSQT in preparation for the SAT and also in order to qualify as a National Merit Scholar, an Achievement Scholar, or a Hispanic Scholar – all of which include college scholarship opportunities of up to \$2500. The exact cost of the test is announced each fall and is approximately \$15. Students in need of financial assistance should ask their school counselor if they qualify for a fee waiver. Students in the eleventh grade must see their school counselor to register and pay for the test during the first two weeks of September.

- *Students are required to take the first semester exam for AP, IB or AICE courses.*

An AP, IB or AICE exam will be taken in lieu of a teacher developed final (semester 2) exam in those designated courses. In such case, the student must still attend his or her regular subject area classes for structured activities and/or projects until the end of the grading period.

- *In the event that the student does not sit for the AP, IB, or AICE exams accompanying the coursework during the school year, a final exam grade of zero (0) will be entered. For AP, IB, or AICE exams administered after the last day of the school year, final grade for the course will be determined within one day of the exam date.*

- **Quality Points:** Beginning with students who entered 9th grade in the 2014-15 school year and thereafter, Pre-IB, MYP, and Honors classes carry 0.5 weighted quality points (half weight). Only courses that require students to take a test at the end of the course- that could earn college credit earn a full 1.0 weight. *IB and AP classes receive a full 1.0 weight.*