



SUSSEX ACADEMY
Explore · Experience · Excel



Sussex Academy High School Course Handbook 2017-2018



Go Seahawks!

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WELCOME TO SUSSEX ACADEMY HIGH SCHOOL

Founded in 2000, Sussex Academy began its quest for academic excellence by providing a small accelerated school for Sussex County students in grades 6-8. With our Executive Board's decision to create a high school, our ninth grade class blazed new trails during school year 2013-2014. They created new opportunities for themselves and future students in academics, athletics, and activities. Meanwhile the faculty and administration completed the authorization process to earn the title of International Baccalaureate World School.

As you, the student and parents, continue to map out your high school program with your counselor, be mindful that Sussex Academy's mission is to ensure that you are well prepared to enter and earn a degree from the four-year college of your choice. You'll note that our program options remain focused on providing an accelerated program where you the student enroll in English, mathematics, social studies, science, and world language with some opportunities to explore one of two career pathways. Also, note that we expect that faculty and students engage in authentic experiences with ample opportunities for academics and service.

Our expectation is that we all will

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GRADUATION REQUIREMENTS

Sussex Academy requires 27 credits to graduate, and these must include:

Subject	Credits Required	Other Requirements
English	4	
Math	4	One credit must be earned in 12 th grade
Social Studies	4	One credit must be U.S. History
Science	4	One credit must be Biology
World Language	4	
Physical Education	1	
Health	½	
Career Pathways	3	
Theory of Knowledge	1	
Community Service/ CAS	1	
Elective	½	
Total	27	

Additionally, students may be required by the State of Delaware to meet minimum scores on state-mandated tests.

Student Success Plan (SSP)

Delaware has developed a tool called the Student Success Plan (SSP) to help teens identify and consider post-secondary career and educational goals and develop a plan to pursue those goals.

Students in grades 9-12 must create and/or update their SSP annually in order to graduate.

Students are provided access to the website, www.careercruising.com for this purpose. **In order to complete this requirement, parents must review their student's plan each year** and confirm their participation in the process.

PROMOTION REQUIREMENTS

In order for students to be promoted, they must meet the following criteria and credits: (core courses include English, Math, Science, Social Studies, and Spanish)

Promotion from 9th to 10th grade:

Minimum of 6 credits, including 3 core course credits.

The student is retained if he/she fails English OR mathematics.

Promotion from 10th to 11th grade:

Minimum of 11 credits, 6 of which must be earned in core subjects

The student is retained if he/she fails English OR mathematics OR it is impossible to satisfy all graduation requirements in 2 additional years.

Promotion from 11th to 12th grade:

Minimum of 19 credits, 13 of which must be earned in core subjects

The student is retained if he/she fails English OR mathematics OR it is impossible to satisfy all graduation requirements in 1 additional year.

CAREER PATHWAY OPTIONS

Students are required by the State of Delaware to complete a minimum of 3 credits in a Career Pathway. Career Pathway credits are defined as “preplanned and sequential courses ...designed to develop knowledge and skills in a particular career or academic area.”

(Title 14, DE Administrative Code, Section 505)

Sussex Academy’s primary goal is for its graduates to pursue a college degree. As such, our Career Pathways likewise are academically focused. Sussex Academy High School offers two Career Pathways: Communications and STEM (Science, Technology, Engineering, and Math). A student may use his/her Career Pathway to explore career interests or to simply learn more about a particular set of knowledge. *Selecting a particular pathway does not obligate a student to pursue that type of career, but may simply provide a way to explore options and courses of interest.*

Examples of courses that are offered for each pathway are as follows (note: not all courses are offered every year):

<u>STEM Pathway</u>	<u>Communications Pathway</u>
Introduction to Engineering and Design (1 credit)	Integrated Communications (½ credit)
Principles of Engineering (1 credit)	Elements of Writing (½ credit)
Engineering Design Development (1 credit)	Print Media I and II (1 credit each)
AP Computer Science Principles (1 credit)	Photography I and II (½ credit each)
IB Design Tech SL – year 1 (1 credit)	Drama (½ credit)
IB Design Tech SL – year 2 (1 credit)	Journalism (½ credit)
Honors Physics (1 credit)	Desktop Publishing (½ credit)
	World Art (½ credit)

Students in one pathway may take courses in the other pathway as electives.

IB Diploma Program, IB Courses, and Honors Classes

During the junior and senior year, all 5 core subjects (English, Math, Social Studies, Science, and Spanish) will be offered at two different levels: IB or Honors.

- **IB** subjects are taught according to the expectations established by IB. They include assessments and papers that are graded by our teachers as well as assessments and exams which are externally assessed or moderated by IB.
- **Honors** subjects are typically taught the same content as IB courses, but do not include many of the assessments, papers, and/or exams that are required by IB.

Students must take at least 1 IB Course during the junior or senior year. Theory of Knowledge can satisfy this requirement. Both IB and Honors level classes will satisfy the requirements for a Sussex Academy High School diploma.

Additionally, the IB subjects may be attempted two different ways: toward an IB Diploma or as IB Courses, as described below.

Almost all IB courses are 2-year courses during junior and senior year. Sussex Academy does offer courses (IB Design Tech) that may be completed in one year if prerequisites have been met. Students completing an IB course in one year are called “anticipated” students.

IB Diploma

To earn the IB Diploma, students must meet ALL of the following requirements:

1. Students must earn the minimum grade in each of 6 IB classes: English, Social Studies, Science, Math, Language, and Arts (or a different class from the other 5 core classes). Grades are a combination of an IB final exam as well as other forms of internally (teacher graded) and externally (submitted to IB) graded assessments.
2. Students must also meet the requirements for each of the 3 components of the IB “core:” Creativity, Activity, and Service (CAS), Theory of Knowledge (TOK), and Extended Essay (EE).
3. Of the 6 courses, at least 3 must be Higher Level (HL).

Note that there is a minimum number of points required to earn an IB Diploma. See the IB Handbook for more information.

The IB Diploma requirements are separate from (above and beyond) the credits required to receive a Sussex Academy and State of Delaware high school diploma.

IB Courses / Certificates

While all qualified students who are committed to the goals of the Diploma Program are encouraged to pursue the IB Diploma, some students may wish to attempt the IB subject requirements for fewer than 6 subjects. When a student takes individual IB subjects but does not attempt the full Diploma Program, IB calls these “IB Courses,” and IB issues these students “Certificates” upon completion of each course.

For example, a student may pursue IB Courses in only two courses, or a student may even choose to pursue 4 or 5 IB Courses. Students have the flexibility to challenge themselves to meet all of the IB expectations only in their areas of strength or interest. Note that Sussex Academy requires all of its students to take at least 1 IB class junior and senior year; TOK may be used to meet this requirement.

At the completion of the IB Course and final IB exam, the student receives an IB Certificate which states that the student completed the IB course and also reports the grade. **If the IB Certificate is earned in a Higher Level subject AND meets the minimum grade requirement, colleges may grant college credit or advanced standing (similar to AP classes).** For this reason, students might consider challenging themselves to at least one Higher Level subject.

TOK is *required* to earn a Sussex Academy High School Diploma even though CAS, TOK, and EE are *not* required to earn an IB Certificate. This means that **students who are not attempting the IB Diploma do not need to complete the Extended Essay and may complete the SA Community Service requirements instead of the CAS requirements.**

Honors Classes

Some students may find that the best fit for them is to take some or all of their core subjects without the additional assessments required to earn the IB Diploma or IB Certificates. These students will earn credits that count solely toward a Sussex Academy High School diploma. While IB content may be used, the IB internal assessments, papers, and exams will not be required.

When do I need to decide between IB Diploma, IB Courses, or Honors Classes?

Due to the different assessments which are required of DP and Courses students (but not Honors students), students must declare their intention to attempt an IB Diploma or Course *in the Spring of the sophomore year*. Students will officially register and pay for IB final exams at the beginning of their senior year (students who are “anticipated” will need to register in fall of junior year). Students may therefore change from IB Diploma to IB Course or Honors (or from IB Course to Honors) until the spring of the junior year. After the start of junior year, it is not possible to switch from IB Course or Honors to IB Diploma due to the additional IB requirements.

ENGLISH

Honors English 9 *1 credit*

English 9 emphasizes the development, improvement and refinement of basic language skills, including critical reading and literary analysis. Students read and improve their understanding of fiction and nonfiction, analyze literary themes, structures, and details, and use techniques of research and technology to produce and present oral and written compositions. Students explore the general themes of stories, storytelling, and how humans communicate through literature. At the conclusion of the course, a student should be able to write a clearly organized, multi-paragraph essay developing and supporting a thesis. Students should be able to read, analyze and respond to both fiction and literary non-fiction. Assessments are based on state and national standards (Common Core State Standards) with assessments modeled on the Smarter Balanced Assessment (aligned to the CCSS).

Honors English 10 (Grade 10) *1 credit*

Honors English 10 reinforces the language skills and literary understandings attained by students in English 9. Students refine their understanding of fiction and nonfiction, analyze literary themes, structures, and details, and use techniques of research and technology to produce and present oral and written compositions. At the conclusion of the course, a student should be able to use language as a vehicle of thought, creativity, reflection, learning, self-expression and social interaction. Students will also engage in some pre-IB practice concepts and activities. Assessments are based on state and national standards (Common Core State Standards) with assessments modeled on the Smarter Balanced Assessment (aligned to the CCSS).

Honors English 11 & 12 (combined grades, two years) *1 credit per year*

Students analyze literature in a variety of ways, on a number of levels, and by a range of authors, periods, genres, styles, and contexts. Over the course of two years, the course includes a study of American literature and an examination of European literature to ensure a variety of perspectives. The student will understand literary critical techniques and relationships between works. Assessments are based on state and national standards (Common Core State Standards) with assessments modeled on the Smarter Balanced Assessment (aligned to the CCSS).

IB Literature HL (Grades 11 and 12) *1 credit per year*

Prerequisite: successful completion of English 10, teacher recommendation, and successful completion of summer assignments. Students enrolling in year 2 of this course must take the exam.

Students apply critical and analytical skills to works of traditional and contemporary world authors. Because the themes of the literature explore values and issues of the world-wide culture, the voice of each author may give frank examination of the human condition. The discussion of literature is itself an art which requires the clear expression of ideas both orally and in writing. In addition to the final external IB exams, students complete an Oral Commentary and Interview as well as an Individual Oral Presentation.

Elements of Writing ½ credit

Required for all 9th grade students. This course does NOT fulfill the English graduation requirement.

This course provides opportunities to improve writing proficiency. Instruction focuses on grammar, mechanics usage, and imaginative expression by offering students opportunities for independent writing assignments that examine persuasive and expository modes. Students are introduced to research databases and skills.

Journalism ½ credit

This course will introduce students to the world of print journalism. Students will learn the basics of journalistic ethics, interviewing, news writing, feature writing, sports writing, editorial writing, design, and advertising. Students will be trained in these areas through both direct instruction as well as hands-on experience as they begin the process of creating Sussex Academy's very first high school newspaper. A strong background in writing is essential.

Research and Writing (Fall of Grade 11) 1/2 credit

This course does NOT fulfill the English graduation requirement.

Through the use and analysis of informational texts, students will learn the fundamentals of research and writing. Emphasis will be placed on developing a focused research question, reading up on research, distinguishing between reliable and unreliable resources, and using advanced search features. Note-taking, creating well-developed outlines, using appropriate format, writing for a specific audience, and analysis of the IB Extended Essay subject specific guide will also be focuses. At the conclusion of the course, students will have the necessary skills for the individual research and writing of the IB Extended Essay. This course provides opportunities to improve writing proficiency. Students are introduced to research databases and skills.

MATH

Honors Algebra 1 1 credit

This course focuses on algebraic vocabulary and lays the foundation for upper-level mathematics courses through the exploration of real world applications. Major topics include linear equations and inequalities, systems, exponential and rational functions, and quadratics. Each concept is demonstrated using equations, graphs, and tables.

Honors Geometry 1 credit

Prerequisite: Successful completion of Algebra 1

Geometry relates algebra topics to real world problems through the use of formulae and applications. Mathematics specific vocabulary is essential to success in this course. Students who take this course will experience several types of proofs, learn about key characteristics of triangles and polygons, and develop better reasoning and logic skills.

Honors Algebra 2 1 credit

Prerequisites: Successful completion of Algebra 1 and Geometry

Algebra II is a course that builds upon the student's ability to reason through complex situations using prerequisite skills while learning new concepts. Math-specific vocabulary will continue to be used throughout the course. Concepts in advanced linear, quadratic, exponential, logarithmic, and polynomial functions will be developed.

Honors Pre-calculus 1 credit

Prerequisites: Successful completion of Algebra 2

Pre-calculus incorporates the previous study of algebra, geometry, and functions into a prep course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include complex functions, systems of equations, trigonometric ratios and functions, inverse trig functions, applications of trigonometry, inverses of functions, limits, and first derivatives.

Foundations of College Algebra (Grade 12) 1 credit

Prerequisites: Algebra 1, Geometry, Algebra 2

This course serves those students who are interested in pursuing a college degree that is in a non-math or non-science field. The content includes advanced algebra topics, test-taking skills such as SAT or ACT prep, and also focuses on honing the student's calculator ability.

IB Math SL (Grades 11 and 12) *1 credit per year*

Prerequisites: Successful completion of Geometry, teacher recommendation, and successful completion of summer assignments. Students enrolling in year 2 of this course must take the exam.

This course serves as a rigorous foundation for important math concepts without the additional content included in IB Math HL. The content includes advanced algebra, trigonometry, statistics, probabilities, and calculus topics. Math SL is recommended for students who are planning on future studies in subjects such as chemistry, psychology, economics and business administration. Students will need to complete the IB Internal Assessment as well as the end-of-course exams (two 1.5 hour exam with GDC).

IB Math HL (Grades 11 and 12) *1 credit per year*

Prerequisites: Successful completion of Algebra 2, teacher recommendation, and successful completion of summer assignments. Students enrolling in year 2 of this course must take the exam.

This course is designed for students who are expecting to include mathematics as a major component of their college studies, or for students who have a strong interest in mathematics. Math HL includes a problem-solving approach to topics such as advanced algebra and trigonometry, induction proofs, statistics and probabilities, as well as in depth calculus topics. Math HL is recommended for students who are considering a career in engineering, physics or computer science. Students will need to complete the IB Internal Assessment as well as the end-of-course exams (a 2 hour exam without GDC, a 2 hour exam with GDC, and a 1 hour exam with GDC).

SCIENCE

Honors Integrated Science (Grade 9) 1 credit

Physical science is the application of physics and chemistry concepts to the natural world. This course includes physics, chemistry, and earth science units which are instructed with a hands-on, discovery learning emphasis through laboratory experiences, demonstrations, and projects. Students will learn to be scientific, analytical thinkers as well as develop foundational knowledge to take higher level science courses.

Honors Biology (Grade 10) 1 credit

Prerequisite: Honors Integrated Science

Students are instructed in a modern scientific approach which include topics such as: the Nature of Science, Cell Biology, Genetics, and Evolution. This course involves lab work and the use of technology.

Honors Chemistry (Grade 11) 1 credit

Prerequisite: Honors Biology

During this course, students will learn basic concepts in chemistry, develop problem solving, investigative, and interpersonal skills. Lab investigations will be used for discovering, verifying, and reinforcing concepts; labs will also assess students' planning, data collection and presentation, forming conclusions, and evaluating results. Topics to be covered include measurement and data processing, quantitative chemistry, atomic structure, periodicity, bonding, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, and nuclear chemistry.

IB Chemistry SL (Grades 11 and 12) 1 credit per year

Prerequisite: Honors Biology, teacher recommendation, and successful completion of summer assignments. Students enrolling in year 2 of this course must take the exam.

During this course, students will learn advanced concepts in chemistry, develop problem solving, investigative, and interpersonal skills. Lab investigations will be used for discovering, verifying, and reinforcing concepts; labs will also assess students' planning, data collection and presentation, forming conclusions, and evaluating results. Topics to be covered include measurement and data processing, quantitative chemistry, atomic structure, periodicity, bonding, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, organic chemistry, and medicinal chemistry. Students will design and conduct a formal laboratory investigation as well as complete all required external assessments to fulfill IB requirements.

IB Design Technology SL (Grade 11 or 12) 1 credit

Prerequisite: Successful completion of IED and POE, teacher recommendation, and successful completion of summer assignments

Note: Beginning in 2017-18, this course is an “anticipated” IB course since the requirements are met in one year rather than two. Students enrolling in year 2 of this course must take the exam.

This course is structured to strongly connect design considerations with social issues, environmental impact, and making informed decisions. Students will study the technologies in different cultures and will be given the opportunity to deal with realistic engineering problems and to devise appropriate solutions. Students will take two IB external assessments in the form of exams and one internal assessment in the form of a 40 hour individual design project. Students will also participate in a Group 4 project in the form of a 10 hour group design project working with students in other Group 4 subjects. *May be used to satisfy either the IB Group 4 or IB Group 6 requirement, but not both. May not be used to satisfy science graduation requirement.*

IB Design Technology SL 2 (Grade 12 only) 1 credit

Prerequisite: Successful completion IB Design Tech SL 1

Note: This course is being phased into a one-year course. Only seniors during the 2017-18 school year will need to take IB Design Tech SL 2. Students enrolling in year 2 of this course must take the exam.

This course is structured to strongly connect design considerations with social issues, environmental impact, and making informed decisions. Students will study the technologies in different cultures and will be given the opportunity to deal with realistic engineering problems and to devise appropriate solutions. Students will take two IB external assessments in the form of exams and one internal assessment in the form of a 40 hour individual design project. Students will also participate in a Group 4 project in the form of a 10 hour group design project working with students in other Group 4 subjects. *May be used to satisfy either the IB Group 4 or IB Group 6 requirement, but not both. May not be used to satisfy science graduation requirement.*

Honors Physics (Grade 12) 1 credit

Prerequisite: successful completion of Honors Algebra 2 or year 1 of IB Math SL/HL
Honors Physics investigates the theory and applications of Newton’s laws, mechanics, energy, electricity, and electromagnetism. Mathematics and problem-solving is stressed throughout the course. This elective course is designed for students with an interest in majoring in science or engineering. *May be used to satisfy either STEM Pathway or science graduation requirement, but not both.*

Honors Anatomy (Grade 11 or 12) 1 credit

Prerequisite: Successful completion of Honors Biology

This course includes the study of general anatomy of the human body from a systematic approach. Beginning with an introduction to medical terminology and basic life needs, the focus on this course will be on the microanatomy of cells, basic histology and the organs of the integumentary, skeletal, muscular, nervous, circulatory, respiratory, digestive, urinary and reproductive systems. Students will gain an understanding of body structures through the use of microscopes, dissections, research, projects, observations and experimentation. This course is highly recommended for any students interested in pursuing a career in health & human services.

Honors Physiology (Grade 12) 1 credit

Prerequisite: Successful completion of Honors Anatomy

This course builds on the fundamental skills and knowledge gained in Honors Anatomy and focuses on the function of the human body as it underpins physical performance. Major themes of this course include the traditional disciplines of anatomy and physiology, as well as, biomechanics, nutrition and psychology. Students will cover a range of topics and carry out practical investigations that provide a hands-on approach to understanding the functions of the human body, applying scientific principles and critically analyzing human performance. Where relevant, the course will address issues of international dimensions and ethics by considering sport, exercise and health relative to the individual in a global context.

Honors Environmental Science (Grade 11 or 12) 1 credit

Prerequisite: Successful completion of or concurrent enrollment in Honors Chemistry

Honors Environmental Science is a year-long course designed to show thematic connections between a variety of science disciplines including biology, chemistry, and physics. It gives students a coherent and realistic picture of the applications of a variety of scientific concepts as they manifest in our environment. This course focuses on human population growth, natural resources use, ecosystem dynamics, renewable energy, and environmental policy. The aim of this course to increase student knowledge of the environmental challenges of today, while continuing to cultivate scientific critical thinking skills.

SOCIAL STUDIES

Honors Civics and Geography (Grade 9) *1 credit*

Civics is the study of the American government system and citizenship. This course is designed to give students an introduction to politics and government in the United States at the federal, state, and local levels. The course also explores American citizenship with its many rights, duties, and responsibilities. Geography is the study of the world's peoples, places, and environments, with a focus on world regions. Particular emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives. Students will use geographic resources, inquiry, research, and technology skills to ask and answer geographic questions for a more in-depth study of geography.

Honors Economics and Personal Finance (Grade 10) *1 credit*

Prerequisite: Successful completion of Honors Civics and Geography

Economics will introduce basic economic principles and current economic issues with a focus on the American economy. Students will study components of the American economy such as price, competition, business and banking institutions. Students will also examine issues related to the economy as a whole through employment and labor issues, the role of the government in the economy and selected topics on global economics. In the finance part of the course, students learn basic principles of economics and best practices for managing their own finances. Students learn core skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses. They gain a deeper understanding of capitalism and other systems so they can better understand their role in the economy of society. Students are inspired by experiences of finance professionals and stories of everyday people and the choices they make to manage their money.

Honors U.S. History I and II (Grades 11 and 12) *1 credit per year*

Prerequisites: Successful completion of Honors Civics and Geography and Honors Economics and Personal Finance

This course provides a survey of American history from the colonization period in America to the present day. Students will participate in debates, simulations, class discussion, research, note taking, and many other activities. Students will be exposed to literature, video material, magazine articles, and newspapers related to class topics. The course will emphasize critical thinking, problem solving, discussion and debating, and writing skills to assist students in their academic success. Students will use these activities, resources, and skills to develop a frame of reference and a solid understanding of the world in which they are living. Units and topics covered will be: U.S. History I- Colonization to 1900, U.S. History II- 1900 to present day.

IB History of Americas HL (Grades 11 and 12) *1 credit per year*

Prerequisites: Successful completion of Honors Civics and Geography, Honors Economics and Personal Finance, teacher recommendation, and successful completion of summer assignments. Students enrolling in year 2 of this course must take the exam.

This course satisfies the Individuals and Societies component of the IB Diploma Program and will encourage students to become inquirers, knowledgeable, thinkers, communicators, principled, open-minded, caring, risk-takers, balanced, and reflective. In accordance with the selected HL option 2, students will study the major political, economic, and social developments in the Americas from the era of exploration to present day. The selected prescribed subject is Rights and Protest, with specific emphasis on the Civil Rights Movement in the United States and apartheid in South Africa. The selected world history topics are causes and effects of 20th century wars and the Cold War superpower tensions and rivalries. The course is paced over a two-year period and will culminate with three external assessments for a total of five hours in May of the senior year. This will be 80% of the grade. An additional internal assessment in the form of a historical investigation from any area of the syllabus will account for 20% of the IB grade. Students who take Year 2 of the course will be required to take the IB exam in May of the senior year.

WORLD LANGUAGE

Honors Spanish 1 1 credit

This course is designed to give students a basic knowledge of spoken and written vocabulary through practice in listening, speaking, reading and writing. Students will be introduced to the culture of Spanish speaking countries. Speaking is emphasized from day one with a language immersion approach. In Spanish I students will start to become familiar with course requirements of IB Spanish. Instruction is primarily in Spanish.

Honors Spanish 2 1 credit

Prerequisite: Successful completion of Spanish I, or placement by recommendation or test

Students will further their understanding of Spanish with advanced grammatical study, reading and conversation designed to help them become familiar with the cultures of Spanish-speaking nations. In Spanish II, students will be assessed on multiple occasions in a fashion similar to the IB Spanish course. Instruction is entirely in Spanish.

Prerequisite: Spanish I.

Honors Spanish 3 1 credit

Prerequisite: Successful completion of Spanish II

Students will hone grammatical skills and conversational ability through project based learning, putting skills to use acquired in Spanish I and II. The course is designed to prepare students for collegiate level Spanish courses and will entail aspects of the IB course outline in structure of activities and some assessment components.

Honors Spanish 4 1 credit

Prerequisite: Successful completion of Spanish 3

Students will utilize previously learned skills through project based learning in preparation of collegiate level Spanish. Focus will be on on grammatical mastery of the simple and compound tenses in addition to extended reading, writing activities, debates and discussions conducted entirely in Spanish.

Honors Spanish Film and Literature 1 credit

Prerequisite: Successful completion of Spanish 2

In this course, students will improve listening, speaking, reading and writing skills in Spanish while discussing literature and film. International mindedness, cultural comparisons while improving language proficiency are outcomes of this course. *This course may be used to satisfy the fourth and final World Language credit required for a Sussex Academy diploma.*

IB Spanish SL (Grades 11 and 12) 1 credit per year

Prerequisite: Successful completion of Spanish II, teacher recommendation, and successful completion of summer assignments. Students enrolling in year 2 of this course must take the exam.

In this course, students will improve listening, speaking, reading and writing skills in Spanish while discussing authentic literature and film, as well as current events. Cultural perspectives on topics will also be addressed, offering students the opportunity to cultivate a deeper understanding and compassion for people of all ethnicities. International mindedness and cultural comparisons are long-term outcomes of this course in addition to deep linguistic skills. Students will need to complete internal assessments (an individual oral interview and interactive oral activities) as well as the end-of-course exams. The end-of-course exams include two 1.5 hour sections which are primarily essay-writing.

IB Spanish HL (Grades 11 and 12) 1 credit per year

Prerequisite: Successful completion of Spanish II, teacher recommendation, and successful completion of summer assignments. Students enrolling in year 2 of this course must take the exam.

In addition to the IB Spanish SL requirements, Spanish HL students will study a two works of literature, with a focus on literary analysis. There also will be a deeper focus on writing for a number of different purposes and the use of appropriate vocabulary and format to appropriately prepare students for the HL examinations and written assignments. International mindedness and cultural comparisons are long-term outcomes of this course in addition to deep linguistic skills. This course is recommended for students with a high level of Spanish comprehension. Students will need to complete internal assessments (an individual oral interview and interactive oral activities) as well as the end-of-course exams. The end-of-course exams include two 1.5 hour sections which are primarily essay-writing. The assessments are similar to the IB Spanish SL in format, but require higher word counts and are subject to more rigorous scoring.

PHYSICAL EDUCATION/ HEALTH

Physical Education 1 *½ credit*

Physical Education I promotes healthy living and knowledge of lifetime activities. Individual, group, and team activities will be used to condition, refine skills, and become proficient in a variety of recreational activities. PE 1 and 2 may be taking in any order, but both must be taken to satisfy graduation requirements.

Physical Education 2 *½ credit*

Physical Education 2 continues to focus on individual fitness levels through lifetime recreational, leisure, and fitness activities. PE 1 and 2 may be taking in any order, but both must be taken to satisfy graduation requirements.

Health (Grade 9) *½ credit*

Health includes the study of physical, emotional, and mental health. Topics include emotional and social health, mental illness, substance abuse, and a study of the body systems, including reproductive health. This course assists students in understanding that health is a lifetime commitment that involves individual responsibility and decision-making.

Strength and Conditioning *½ credit*

Prerequisites: completion of PE 1 and 2

This course introduces students to many aspects of physical fitness, cardiovascular endurance, agility and flexibility. Students will learn how to safely use weight machines, free weights, and cardiovascular machines. Students will understand the role of nutrition in a proper strength and conditioning program.

Lifetime Fitness *½ credit*

Prerequisites: completion of PE 1 and 2

This course emphasizes healthy lifestyle behaviors such as being active, eating well and managing stress. Components of physical fitness including, cardiovascular, muscle strength and endurance, flexibility will be examined and performed. Students will learn and practice the benefits of cardiovascular training, flexibility and weight training. Students will examine the 5 stages of change for modifying behaviors to improve fitness, health and wellness.

Swimming Conditioning *½ credit*

Prerequisites: pre-course swim test, or current member on swim team

In swimming conditioning, students learn the four competitive strokes, as well as entries and turns. The class will consist of instruction on stroke technique and building endurance. Students will swim a variety of distances, from short sprints to longer swims. This course will offered in the fall semester only.

Water Fitness $\frac{1}{2}$ credit

Prerequisite: pre-course swim test

In this class, students will learn basic water safety skills and participate in group exercise in the water. The class will focus on aerobic endurance, resistance training, and cardiovascular fitness and strength in the water.

Lifeguarding $\frac{1}{2}$ credit

Prerequisites: must be 15 years of age by completion of course and pass a pre-course swim test

This elective prepares student lifeguard candidates in the necessary skills and knowledge required of lifeguards. These include CPR/AED and First Aid training, as well as in-water skills such as rescues, escape techniques, and backboarding for spinal injuries. After successful completion of the course, students will have their lifeguarding certification from the American Red Cross. The teacher is granted the right to deny certification to students who do not meet expectations.

Aquatics Intern (Grade 12) $\frac{1}{2}$ credit

Prerequisites: Lifeguarding or proof of current American Red Cross, Ellis & Associates, or equivalent certification in lifeguarding, must be in 12th grade and apply for position using Educational Aide Application

Students in this course will get on-the-job experience as an aquatic intern. Responsibilities may include lifeguarding, testing pool chemicals, teaching swim lessons, and assisting with group swim classes.

COMMUNICATIONS CAREER PATHWAY

These courses may also serve as elective credits for
STEM Pathway students.

Communicative Arts *½ credit*

Required for all 9th grade students

Communicative Arts provides students with an authentic approach to communications by working in visual art and film. Students explore the visual arts and film with local arts groups such as the Rehoboth Art League and the Rehoboth Beach Film Society. Representatives of these organizations work directly with students on projects to develop techniques in varying media with a focus on communication. Students complete a minimum of three major hands-on projects.

Elements of Writing *½ credit*

Required for all 9th grade students. This course does NOT fulfill the English graduation requirement.

This course provides opportunities to improve writing proficiency. Instruction focuses on grammar, mechanics usage, and imaginative expression by offering students opportunities for independent writing assignments that examine persuasive and expository modes. Students are introduced to research databases and skills.

Journalism *½ credit*

This course will introduce students to the world of print journalism. Students will learn the basics of journalistic ethics, interviewing, news writing, feature writing, sports writing, editorial writing, design, and advertising. Students will be trained in these areas through both direct instruction as well as hands-on experience as they begin the process of creating Sussex Academy's very first high school newspaper. A strong background in writing is essential.

Research and Writing (Fall of Grade 11) *1/2 credit*

This course does NOT fulfill the English graduation requirement.

Through the use and analysis of informational texts, students will learn the fundamentals of research and writing. Emphasis will be placed on developing a focused research question, reading up on research, distinguishing between reliable and unreliable resources, and using advanced search features. Note-taking, creating well-developed outlines, using appropriate format, writing for a specific audience, and analysis of the IB Extended Essay subject specific guide will also be focuses. At the conclusion of the course, students will have the necessary skills for the individual research and writing of the IB Extended Essay. This course provides opportunities to improve writing proficiency. Students are introduced to research databases and skills.

Print Media 1 *1 credit*

Print Media 1 is an introductory writing and graphic design course based on theories associated with student publications, including journalism, technology and life skills associated with the scholastic publications. Key principles of journalism and mass media as they function in a product based curriculum are practiced. Students will assist in producing the school yearbook. Students will work independently and collaboratively in and out of the classroom to meet

deadlines set by instructor. Good organizational and time management skills are a must.

Print Media 2 1 credit

Prerequisite: Completion of Print Media 1 and Instructor approval

Print Media 2 places emphasis on a variety of instructional strategies that encourages schoolastic journalists to mirror that of professional journalists. Students understand their roles as informational gatekeepers in school based media and their rights and responsibilities as journalists. Leadership, conflict resolution, time management, business and advertising skills will be explored. Students must be willing to work independently and collaboratively in and out of the classroom, meeting deadlines set by the instructor, to produce the school yearbook as well as other student based publications Good organizational and time management skills are a must.

Digital Photography 1 ½ credit

*Prerequisite: NO CAMERAS ARE PROVIDED FOR THIS CLASS. **STUDENTS WILL NEED TO PROVIDE THEIR OWN CAMERA.***

This is a introductory photography course designed to offer experiences with both point and shoot cameras and the more versatile single-lens reflex camera(SLR). The fundamentals of of digital photography will be reviewed and practiced. This includes: shutter speed, aperture, F Stops/Exposure, ISO, depth of field. Digital processing techniques are introduced. A brief overview of the history of photography will be examined. Students are expected to start a portfolio of their images as well as maintain an organized binder of their handouts/work. Students will be required to work in and out of classroom to meet deadlines. Good organizational and time management skills are a must.

Digital Photography 2 ½ credit

*Prerequisite: Completion of Photography1 OR Instructor approval. Cameras are not provided for this class. **Students MUST bring their own SLR camera (with manual and semi manual modes). A tripod and Macro lens will enhance this class' experience.***

This course will provide students with a variety of technique and creative skills to be used in digital photography. Emphasis on working in manual mode and semi-manual modes will be continued from Digital Photography 1. Students will write and speak about the aesthetic, technical and expressive qualities in a photograph while maintaining a portfolio of their work. Different compositional techniques will be practiced and discussed including framing, lighting, black and white photography, macro photography, portrait and group photography. Students will work both inside and outside the classroom to complete field and homework. Good organizational and time management skills are a must.

World Art ½ credit

Students will gain a deeper understanding of art and the world through the study and practice of visual expression. Students will experience the cultures from countries such as Africa, Morocco, China, Japan, Australia, and Mexico by creating art in their various artistic styles. Line quality, light and shadow, rendering of form, composition, and texture will all be explored through media. Art projects may include African textiles, Japanese woodblock printmaking, Moroccan mosaics, Australian aboriginal paintings, or Mexican Oaxacan Animals.

Studio Art ½ credit

Prerequisites: preference given to students who have already taken World Art, though World Art is not required

Students will develop creative problem solving and innovative thinking skills. Students will increase technical skills and aesthetic awareness through projects in drawing, painting, sculpture, and printmaking. Projects will include media such as charcoal, acrylics, watercolors, and paper mache. While creating original works using the elements of art and principles of design students will discover an outlet for personal expression, refine communication skills, and articulate their personal artistic choices.

Drama *½ credit*

Drama is an elective course that allows students to have a hands-on learning experience by experimenting with some of the basics of theatre: directing, acting, improvisation, set construction, costuming, props, makeup/hair, stage management, etc. During the semester, students help with either the fall play or spring musical (depending on the semester) and get to produce their own class play.

Del Tech OAT 242 Desktop Publishing *½ credit*

Prerequisites: 11th or 12th grade and minimum Accuplacer scores Reading >78 and Writing > 84. This course is taught at SA through the DTCC Dual Enrollment program.

This course provides an understanding of desktop publishing concepts using graphics software combined with text to produce professional publications. This course will focus on using desktop publishing software to effectively communicate messages in printed form.

Del Tech Com 110 Introduction to Video Production *½ credit*

Prerequisites: 11th or 12th grade and minimum Accuplacer scores Reading >78 and Writing > 84. This course is taught at SA through the DTCC Dual Enrollment program.

This course explores the principles, mechanics, techniques, and aesthetics of video production. Topics include pre-production planning and writing, production procedures, and post-production editing.

Communications Intern (Grade 12) *1 credit*

Prerequisites: must be in 12th grade and apply for position using Educational Aide Application

Student will get on-the-job experience as a communications intern working closely with a Communications Manager. Must be responsible, reliable, and detailed-oriented.

Film and Literature *½ credit*

This rigorous elective course is intended to help students analyze both film and literature while developing a background in the history and techniques of film genres. In teaching both literary and filmmaking techniques, Film & Literature will use a variety of carefully chosen films, documentaries, and short clips from the 1800s through modern eras as a medium for understanding the relationship between literature created for an audience of readers and those stories as they are adapted, manipulated, and revised for viewing. Students will study genre, theme, symbolism, and conflict among other literary devices, and will focus on comparative, reflective, and analytical writing. Students should plan to read short stories and a novel.

STEM CAREER PATHWAY

These courses may also serve as elective credits for Communications Pathway students. Credits taken to fulfill the STEM Pathway requirements may NOT also be used to fulfill science graduation requirements.

Introduction to Engineering Design *1 credit*

IED is a hands-on STEM course where students apply the design process along with their mathematics and science knowledge to engineer and develop products to solve problems. Students will develop skill in technical representation and documentation of design solutions according to accepted technical standards, and they will use current 3D design and modeling software to represent and communicate solutions. In addition the development of computational methods that are commonly used in engineering problem solving, including statistical analysis and mathematical modeling, are emphasized. Ethical issues related to professional practice and product development are also presented. At the end of the course, students will be able to assess a need for a product and identify the steps necessary to design a product and create a prototype using a 3D printer.

Principles of Engineering *1 credit*

Prerequisite: Successful completion of Introduction to Engineering Design

POE is a project based STEM course where students explore topic that include mechanisms, the strength of structures and materials, and automation. They will learn about system efficiency, investigate thermal energy and alternative energy applications. They will experience solar hydrogen systems and thermal energy transfer through materials. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Students will perform destructive and non-destructive material testing, learn the processes of gathering, organizing, interpreting, and formulating an understanding of data through probability and statistics. Students will learn about control systems using robotics, experiment with various input devices, and learn how to create and adapt computer code to control system outputs.

Engineering Design and Development (Grades 11 or 12) *1 credit*

Prerequisite: Successful completion of IED and POE

Engineering Design and Development (EDD) gives students an opportunity to exercise the skills they have developed not only in their PLTW classes, but in other classes and in their personal experiences in general. Students will work in teams to solve a problem of their choosing. The class centers on using, documenting, and working through the engineering design process to address a real-world problem. The result is driven entirely by the process. Because the focus is on the problem and using the design process, the topic choices for students are infinite. Project management concepts are presented and students are required to create a project schedule in the form of a Gantt chart for the design project. The importance of thorough documentation is also emphasized, and students are required to keep an engineering notebook to document the design process for their project.

IB Design Technology SL (Grade 11 or 12) 1 credit

Prerequisite: Successful completion of IED and POE, teacher recommendation, and successful completion of summer assignments

Note: Beginning in 2017-18, this course is an “anticipated” IB course since the requirements are met in one year rather than two. Students enrolling in this course must take the IB exam at the end of the course.

This course is structured to strongly connect design considerations with social issues, environmental impact, and making informed decisions. Students will study the technologies in different cultures and will be given the opportunity to deal with realistic engineering problems and to devise appropriate solutions. Students will take two IB external assessments in the form of exams and one internal assessment in the form of a 40 hour individual design project. Students will also participate in a Group 4 project in the form of a 10 hour group design project working with students in other Group 4 subjects. *May be used to satisfy either the IB Group 4 or IB Group 6 requirement, but not both. May not be used to satisfy science graduation requirement.*

IB Design Technology SL 2 (Grade 12) 1 credit

Prerequisite: Successful completion IB Design Tech SL 1

Note: This course is being phased into a one-year course. Only seniors during the 2017-18 school year will need to take IB Design Tech SL 2. Students enrolling in this course must take the IB exam at the end of the course.

This course is structured to strongly connect design considerations with social issues, environmental impact, and making informed decisions. Students will study the technologies in different cultures and will be given the opportunity to deal with realistic engineering problems and to devise appropriate solutions. Students will take two IB external assessments in the form of exams and one internal assessment in the form of a 40 hour individual design project. Students will also participate in a Group 4 project in the form of a 10 hour group design project working with students in other Group 4 subjects. *May be used to satisfy either the IB Group 4 or IB Group 6 requirement, but not both. May not be used to satisfy science graduation requirement.*

Honors Physics (Grade 12) 1 credit

Prerequisite: successful completion of Honors Algebra 2 or year 1 of IB Math SL/HL
Honors Physics investigates the theory and applications of Newton’s laws, mechanics, energy, electricity, and electromagnetism. Mathematics and problem-solving is stressed throughout the course. This course is designed for students with an interest in majoring in science or engineering.

AP Computer Science Principles * (Grades 11 or 12) 1 credit

Prerequisite: Successful completion of IED and POE, and Algebra 2

Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking and introduce professional tools that foster creativity and collaboration. Computer Science Principles provides programming expertise and explore the workings of the Internet. Students will develop algorithms and GUI interfaces using Python. Projects and problems include app development, visualization of data, cybersecurity, and simulation. This course covers the topics to prepare students for the AP® Computer Science Principles test. (* pending official AP approval)

OTHER ELECTIVES

Criminal Justice 1 *½ credit*

Prerequisite: Successful completion of Honors Civics

This course is designed as a study of the history and philosophy of criminal justice and its ethical considerations. The nature and impact of crime is explored, and instruction includes an overview and study of the criminal justice system, law enforcement, investigation and evidence, the court systems, prosecution and defense, and trial processes.

Criminal Justice 2 *½ credit*

Prerequisite: Successful completion of Honors Civics and Criminal Justice 1

This course will focus on special topics within the criminal justice field. Topics to be covered include: corrections, juvenile justice, terrorism, gangs, advanced investigations techniques, and current issues in law enforcement. Students will again apply these topics in a mock trial setting.

Driver Education *¼ credit*

Prerequisite: *official status as a tenth grader as of August 25, 2017*

Driver Education consists of classwork and behind-the-wheel training with emphasis placed on safety, defensive driving, and prevention. Discipline, driving skills, rules of the road, and related topics are discussed to promote safe and courteous drivers. See counselor for a list of other agencies who offer Driver Education for a fee.

College Prep *¼ credit*

Scheduled back-to-back with Driver Education

This course gives students the tools they will need to be better prepared for the college application process. Students will complete a college search using multiple sources and investigate the college application process from starting a search to finish. Students will learn how to improve the strength of your application and essays. Students will compare options for paying for college.

Sociology *½ credit*

This semester-long course provides an introduction to the study of society and human groups and how they influence people's behavior and American culture. Sociology investigates, describes, and analyzes patterns of human behavior in all areas of human experience for the purpose of understanding the human condition.

Psychology $\frac{1}{2}$ credit

This course covers core concepts in psychology including the physiological basis for behavior, social psychology, perception, states of consciousness, the brain and senses, memory and learning. Students will also explore human growth and development, personality, stress and adjustment, and abnormal behavior, treatments, and therapy.

Positive Psychology $\frac{1}{2}$ credit

Positive Psychology is a course that focuses on psychological well-being and areas of human strength. Topics include the nature and measurement of happiness, the biological basis of positive emotions, an overview of positive trait theories and developing strengths and skills to enhance motivation and achievement.

Senior Academic and College Seminar (Grade 12) $\frac{1}{2}$ credit

Offered in fall semester only

This course provides time and assistance to students in preparing for college. Students will prepare for the SAT, complete their Common Application and personal statement for college. Time will also be spent exploring financial aid, FAFSA, scholarships, grants, and student loans.

Consumer Education/Personal Finance (Grades 11 or 12) $\frac{1}{2}$ credit

This course will address challenges students will face in the real world including paying for college, buying a car, managing debt, finding a career, budgeting and spending, balancing a check book, managing your money. Consumer Education emphasizes gaining the knowledge and skills needed in managing consumer resources and taking actions regarding consumer decisions.

Theory of Knowledge (Grades 11) 1 credit

Required for all 11th graders

Theory of Knowledge is an integral part of the IB philosophy and is required to earn the IB Diploma as well as a Sussex Academy Diploma. The course challenges students to reflect on the nature of knowledge and its relationship to their experiences in and out of the classroom. TOK examines the role of language and thought in knowledge, the requirements of logical rigor for knowledge, and the systems of knowledge. TOK leads students to critically evaluate what they know, and emphasizes examining moral judgments as they relate to knowledge. One credit of TOK is required for all juniors. *IB Diploma students must complete an additional $\frac{1}{2}$ credit in the fall semester of senior year when they will complete the presentation and essay required for the IB Diploma.*

Creativity, Activity, and Service (CAS) (Grades 11 and 12; IB DP students) 1 credit

All CAS requirements must be met outside of the regular school day; CAS is not a scheduled class.

CAS allows students to become involved in a range of activities that take place alongside their academic studies. CAS is a requirement of the IB Diploma. The component's three interwoven strands include Creativity (arts and other experiences that involve creative thinking), Activity (physical exertion contributing to a healthy lifestyle), and Service (unpaid and voluntary). For more information, please see the CAS Handbook. Credit is awarded upon successful completion of CAS requirements in spring of the senior year.

Extended Essay (EE) ¼ credit

Prerequisite: Research and Writing

The Extended Essay is required for all IB Diploma Program students. It involves a 4000-word, in-depth study and paper in a specific International Baccalaureate (IB) subject that students have studied through the IB program at Sussex Academy. Students will be challenged to think critically and develop and apply skills and analysis in research. Opportunities for research will be available to students during the junior year. Support will be provided by IB EE Coordinators and an assigned EE Supervisor throughout the entire process. The ¼ credit is awarded upon successful completion of all EE requirements.

Educational Aide (Grade 12) ½ credit

Prerequisites: must be in 12th grade and apply for position using Educational Aide Application

Seniors have the responsibility of helping a designated department with daily tasks which may include photocopying, laminating, organizing materials, maintaining classroom displays, cataloguing library books, and other tasks that are integral to teacher efficiency. Interested students must be reliable, trustworthy, detailed-oriented, and able to work independently.

Online IB Courses

In order to provide as many options to IB Diploma candidates as possible, Sussex Academy is pleased to offer online IB courses through Pamoja Education (PamojaEducation.com), the only authorized provider of online IB courses. Their IB curriculum includes a combination of live lessons, online discussions, and activities and assessments that meet all of the same rigorous standards as in-person IB courses. Due to the web-based nature of the course, it is likely that students will have online classmates from around the world. Students would be scheduled a dedicated period when they may work on their online IB course.

Due to the expense of the online platform, **Sussex Academy will pay the online tuition and fees *only* for those students who are Diploma Program students *and* who have reliably demonstrated good time management and self-discipline in their present coursework.** Students who wish to enroll in an online course should be dedicated to their success in the online course as they would all other in-person classes. A contract must be signed by both student and parent before online enrollment will be processed. A student wishing to withdraw from an online course will be responsible for any penalties or fees imposed from Pamoja Education.

Non-DP students who wish to enroll in an online course may do so at their own expense. For the 2016-2018 term, total cost is \$2552 per 2-year course.

Before deciding to enroll in an online IB course, students should go to the Pamoja website (PamojaEducation.com) and read the detailed information about the courses in which they are interested. (all course information is from PamojaEducation.com)

Online IB courses accepted by Sussex Academy:

(all course descriptions are quoted from PamojaEducation.com)

IB Philosophy SL (IB Group 3)

Prerequisite: Coordinator approval; must be IB Diploma Program student or agree to pay all fees

IB Philosophy is a subject that tackles questions important to humanity. For example, what is it to be a human being and how do I know what is the right thing to do? You will learn how to think systematically, analyze arguments, and study philosophical themes. You will also be looking at problems facing contemporary society, including those resulting from increased international interaction.

IB Integrated Technology in a Global Society (ITGS) SL or HL (IB Group 3)

Prerequisite: Coordinator approval; must be IB Diploma Program student or agree to pay all fees

Information Technology in a Global Society looks at technological innovations and their social and ethical impact on the world today. ITGS is focused on three main strands: Social and ethical significance, Application to specified scenarios, and IT systems. The HL course also contains extension topics and an annually issued case study.

IB Business Management SL or HL (IB Group 3)

Prerequisite: Coordinator approval; must be IB Diploma Program student or agree to pay all fees

The Business Management course is a rigorous and dynamic course that explores how business decision-making processes are affected by, and impact on internal and external environments. You will develop your understanding of business theory, as well as the ability to apply business principles, practices and skills. The course covers:

- Business organization and environment
- Human resources
- Accounting and finance
- Marketing
- Operations management
- Business strategy (HL only)

IB Economics SL or HL (IB Group 3)

Prerequisite: Coordinator approval; must be IB Diploma Program student or agree to pay all fees

This course covers the study of economic theory and its applications in the world today. You will interpret economic data and statistics, apply relevant theory, and demonstrate this knowledge using written prose, diagrams and economic terminology. Economics is divided into four sections:

- *Microeconomics* which covers competitive markets, elasticity, government intervention, and market failure. HL also includes the theory of the firm and market structures.
- *Macroeconomics* which looks at the level of overall economic activity, aggregate demand and aggregate supply, macroeconomic objectives, fiscal, monetary and supply-side policies.
- *International Economics*. This involves learning about international trade, exchange rate, the balance of payments and economic integration and (HL only) terms of trade.
- *Development Economics*. This looks at economic development and how it is measured, the role of domestic factors, international trade, foreign direct investment (FDI), foreign aid and multilateral development assistance and international debt. The final topic is the balance between markets and intervention.

IB Psychology SL or HL (IB Group 3)

Prerequisite: Coordinator approval; must be IB Diploma Program student or agree to pay all fees

Psychology is the systematic study of behavior and mental processes. Psychology has a variety of research designs and applications, and provides a unique approach to understanding modern society. The core of the psychology course comprises the study of the biological level of analysis, the cognitive level of analysis, and the sociocultural level of analysis. There is also an investigation of research methodology and you will undertake an optional study of Abnormal Psychology. HL will also undertake the Psychology of Human Relationships.

IB Film SL (IB Group 6)

Prerequisite: Coordinator approval; must be IB Diploma Program student or agree to pay all fees

The Diploma Program film course develops students' skills so that they become adept in interpreting and making film texts. Through the analysis of film texts and exercises in film-making, the IB film course explores film history, theory and socio-economic background. It also develops students' critical abilities, enabling them to appreciate the variety of cultural and historical perspectives in film.

Some of the topics include: the language of film, costume, music, lighting, camera movement, early cinema, German Expressionism, musicals of the 30s and 40s, Japanese cinema, and psychoanalytical film theory. Film studies include Psycho, Breathless, The 400 Blows, Ikiru, The Good the Bad and the Ugly, Blade Runner, Pan's Labyrinth, Children of Men and Metropolis. There are also several practical production projects. These short films (1-2 minutes) usually focus on a particular area of the creative process, such as lighting, editing, how to film a dinner table conversation, diegetic and Foley sound, and the visual interpretation of a poem. An iPad may be used to fulfill the film production requirements.

ADDITIONAL PROGRAMS:

ACADEMIC CHALLENGE *½ credit per semester course*

Students who successfully completed the eighth grade Academic Challenge program may choose to continue to participate. This program offers students math and/or English courses at an accelerated pace. During the junior and senior year, the program allows for college coursework through the University of Delaware; careful consideration should be given to the balance of Academic Challenge coursework and the demands of the IB program during the junior and senior year.

AC English courses:

Level 2 (9th grade): World Literature, British Literature

Level 3 (10th grade): American Literature, Writing and Research *

Level 4 (11th grade): Oral Communications (DTCC course), Critical Reading and Writing (UD course)

AC Math courses:

Level 2 (9th grade): Geometry, Probability and Statistics

Level 3 (10th grade): Pre-Calculus, Trigonometry and Pre-Calculus II

Level 4 (11th grade): Calculus I (DTCC course), Analytic Geometry and Calculus B (UD course)

*It is recommended that students wishing to pursue the IB Diploma Program in 11th and 12th grade take Honors English 10 at SA in order to gain experience with the expectations of IB Literature. AC math students should consider taking AC math through 10th grade if they wish to pursue IB Math HL.

CHORUS meets weekly after school to prepare for winter and spring concerts. Emphasis is placed on correct vocal production in a variety of musical styles. Students are prepared and encouraged to audition for state music festivals. Chorus is an extra-curricular activity, and is not eligible for credits.

BAND meets weekly after school to prepare for winter and spring concerts. More advanced music is learned to cultivate the continued appreciation of music in older students. Students are encouraged to audition for county and state music festivals. Band is an extra-curricular activity, and is not eligible for credits.

DRAMA

Drama is offered as a course (see Communications Pathway). Additional productions are also rehearsed and produced outside of the school day and are cast based on open auditions.

Educational Aide Application

Instructions:

Only **seniors** may apply to be an Educational Aide. This is not a study hall; aides are expected to be prompt, responsible, trustworthy, and able to follow directions. **Complete the form below and return to the Academic Counselor by May 10.** All applications will be reviewed but only one aide per department will be selected; some departments may require an interview in order to select their aide. Feel free to talk to the various departments to let them know you are interested and to find out more about the expectations they would have.

MAKE SURE THAT YOU HAVE MET OR WILL BE ABLE TO MEET ALL GRADUATION REQUIREMENTS *BEFORE* SUBMITTING AN APPLICATION.

Name _____

Date _____

Number the departments below in the order in which you would like to be the aide. Do not number or include departments for which you do not wish to apply.

- ___ Library Aide
- ___ Aquatics Intern
- ___ Communications Intern (Mrs. Derrickson)
- ___ Science Department Aide
- ___ Math Department Aide
- ___ Social Studies Department Aide
- ___ Spanish Department Aide
- ___ English Department Aide
- ___ Arts Department Aide
- ___ STEM Department Aide

In a paragraph, describe why you'd like to be an Educational Aide and why you should be selected. (Attach to this application.)

SAMPLE Student Schedule
Communications Pathway

Grade 9	Grade 10	Grade 11	Grade 12
Honors English 9	Honors English 10	IB Literature HL	
		Honors Lit 11	Honors Lit 12
Honors Civics and Geography	Honors Economics and Personal Finance	IB History of the Americas HL	
		Honors US History I and II	
Honors Algebra I	Honors Geometry	IB Math SL	
		Honors Algebra 2	Honors Precalculus or Foundations of College Algebra
Honors Integrated Science	Honors Biology	IB Chemistry SL	
		Honors Chemistry	Honors Environmental Science or Honors Anatomy & Physiology
Honors Spanish I	Honors Spanish II	IB Spanish SL or HL	
		Honors Spanish 3	Honors Spanish 4 or Honors Spanish Film & Lit.
PE/ Health	PE/ Driver Ed & College Prep/ Elective	Theory of Knowledge	Elective(s)
Integrated Communications/ Elements of Writing	Communications Pathway course(s)	Research and Writing or Comm. Pathway course	Elective(s)
Introduction to Engineering Design	Elective(s)	Elective(s)	Elective(s)

SAMPLE Student Schedule
STEM Pathway

Grade 9	Grade 10	Grade 11	Grade 12
Honors English 9	Honors English 10	IB Literature HL	
		Honors Lit 11	Honors Lit 12
Honors Civics and Geography	Honors Economics and Personal Finance	IB History of the Americas HL	
		Honors US History I and II	
Honors Geometry	Honors Algebra 2	IB Math SL	
		IB Math HL	
Honors Integrated Science	Honors Biology	IB Chemistry SL	
		Honors Chemistry	Honors Environmental Science or Honors Physics or Honors Anatomy & Physiology
Honors Spanish I	Honors Spanish II	IB Spanish SL or HL	
		Honors Spanish 3	Honors Spanish 4 or Honors Spanish Film & Lit.
PE/ Health	PE/ Driver Ed & College Prep/ Elective	Theory of Knowledge	Elective(s)
Integrated Communications/ Elements of Writing	Elective(s)	Research and Writing or elective	Elective(s)
Introduction to Engineering Design	Principles of Engineering	IB Design Tech SL or Engineering Design & Development or AP Computer Science Principles	Elective(s) or AP Computer Science Principles or EDD

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