



**AMERICAN
INTERNATIONAL
SCHOOL OF JEDDAH**

**HIGH SCHOOL COURSE CATALOG
2025-2026**

Four-Year Academic Plan

Department	Required number of credits for graduation	Grade 9	Grade 10	Grade 11	Grade 12	Total Taken/Needed
English	4					
Mathematics ¹	3					
Science (including 2 lab sciences) ²	3					
Social Studies ³	3					
World Languages (same language)	2					
Computer Science	1					
Fine/Performing/ Practical Arts	2					
Physical Education or PE/Health	1					
Electives	5					
Week Without Walls ⁴ (WWW)	up to 1					
Total⁵	24					

****Please note that as of May, 2025, IB Y1 courses are no longer available. The Course Catalog will be adjusted accordingly for the 25-26 school year****

¹ Four years of Math is highly recommended, as most selective universities require 4 years of high school math as an application requirement

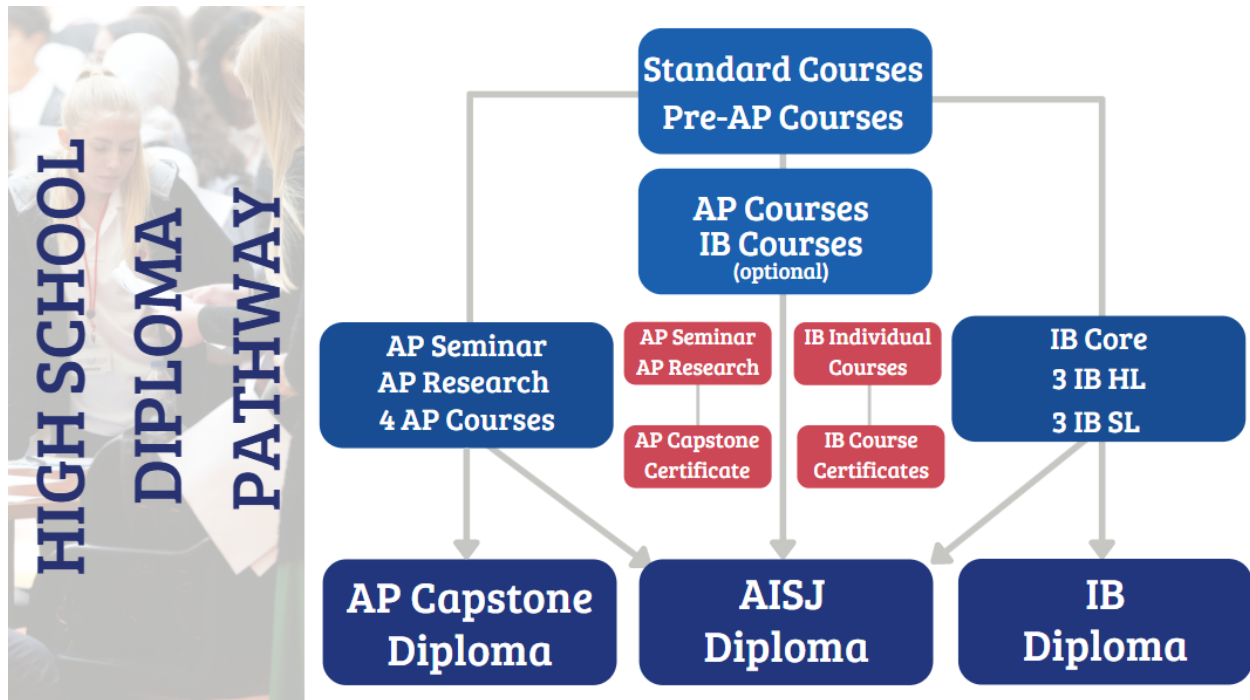
² Lab sciences are Biology, Chemistry, and Physics

³ US History is recommended for US citizens

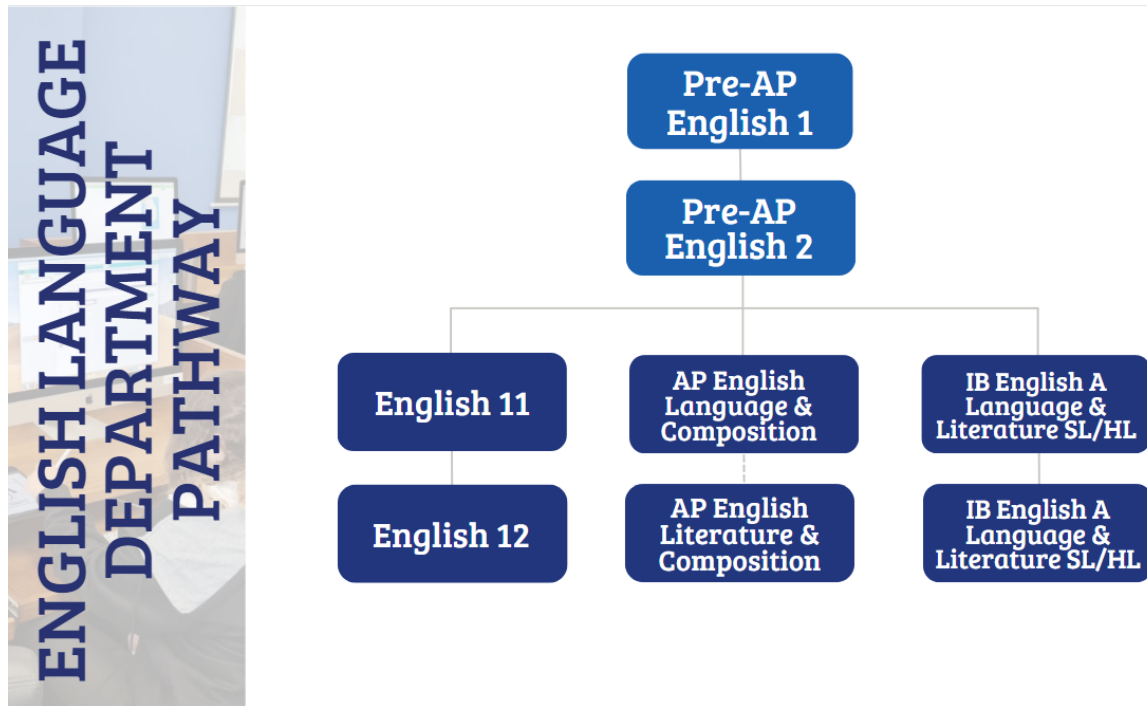
⁴ Week Without Walls is a required part of the high school curriculum, and scholars enroll in a WWW experience each year. Each experience earns the scholar 0.25 credits and scholars who attend AISJ for all four years of high school earn 1 WWW credit. Scholars who enroll as upperclassmen are not expected to recover WWW experience credit.

⁵ Eight semesters of academic work beyond grade 8 are required for graduation

Diploma Pathways



Language Arts Department



Pre-AP ENGLISH 1

Course Code: 3701

Grade: 9

Credit: 1.0

Pre-AP English 1 focuses on close reading, analytical writing, and language skills that have immediate relevance for scholars and that will be essential for their future coursework. Texts take center stage in the Pre-AP English 1 classroom, where scholars engage in close, critical reading of a wide range of literary and nonfiction works. The course trains the reader to observe the small details within a text to arrive at a deeper understanding of the whole. It also trains the writer to focus on crafting complex sentences as the foundation for writing to facilitate complex thinking and to communicate ideas clearly.

End of Course Assessment: CollegeBoard Pre-AP Exam, end of May/early June

Resources: Pre-AP College Board Classroom curriculum and selected texts

Prerequisite: None

Pre-AP ENGLISH 2

Course Code: 3108

Grade: 10

Credit: 1.0

English 2 spotlights the recursive moves that matter in preparing scholars for the rigors of college-level reading and writing. While English 1 introduces the foundational routines of close observation, critical analysis, and appreciation of the author's craft, English 2 requires scholars to apply those same practices to a new host of complex texts - the types of texts they will soon encounter in AP English courses, college classes, and on the SAT. As readers, scholars develop a vigilant awareness of how the poet, playwright, novelist, and writer of nonfiction alike can masterfully manipulate language to serve their unique purposes. As writers, scholars compose more nuanced essays without losing sight of the importance of well-crafted sentences and a sense of cohesion.

End of Course Assessment: College Board Pre-AP Exam, end of May/early June

Resources: Pre-AP College Board Classroom curriculum and selected texts, Things Fall Apart (Achebe, Full Text)
Prerequisite: Pre-AP English 1 or equivalent

ENGLISH 11

Course Code: 3104

Grade: 11

Credit: 1.0

This course analyzes the literary movements of American Literature from the colonial period to contemporary times using the AERO standards. Scholars achieve mastery of literary analysis, focusing on critical essays, poetry, personal memoirs, short fiction, the novel, and non-fiction. Scholars will write analytical essays, lead class discussions, and make presentations to share their ideas. Scholars will also incorporate rhetorical devices in their writing and verbal debates of issues inherent in American Literature. Scholars' critical academic writing skills will be reinforced through research, learning to critically read and evaluate Internet and library resources in order to strategically plan and compose college essays.

End of Course Assessment: standard semester exams

Resources: The Crucible (Miller), The Great Gatsby (Fitzgerald), There There (Orange), and various short texts such as essays, short stories, poems, film clips, and articles.

Prerequisite: Pre-AP English 2 or equivalent

ENGLISH 12

Course Code: 3105

Grade: 12

Credit: 1.0

This course prepares scholars for the demands of a university-level environment using the AERO standards. Writing assignments focus on research and analysis of literary texts in relation to contemporary issues, as well as the composition of effective college application essays and personal statements. Text selections are rich and showcase a variety of cultural and historical contexts, beginning with the Anglo-Saxon period and finishing with contemporary writings. Scholars examine different genres and answer guiding questions designed to expand their worldview in light of the thematic content. In addition, scholars refine their communication skills through presentations, group projects, and class debates.

End of Course Assessment: standard semester exams

Resources: Beowulf (Heaney translation), Macbeth (Folger Edition), Homegoing (Yaa Gyasi), a choice of novel, and various poems and nonfiction texts

Prerequisite: English 11 or equivalent

AP Courses

ADVANCED PLACEMENT ENGLISH LANGUAGE and COMPOSITION

Course Code: 3101

Grade: 11

Credit: 1.0

This rigorous, college-level course in English Language and Composition focuses on the development and the revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Scholars evaluate, synthesize, and cite research to support their arguments. Additionally, they analyze rhetorical elements and their effects in nonfiction texts - including images as forms of texts - from a range of disciplines and historical periods. The course culminates with the AP English Language and Composition exam in May.

End of Course Assessment: AP Exam, first two weeks of May

Resources: The Language of Composition, Second Edition; Renee H. Shea, et al.(2012); selected texts

Prerequisite: Pre-AP English 2 or equivalent or teacher recommendation for grade 10; AP approval

Course Fee: SR 600

ADVANCED PLACEMENT ENGLISH LITERATURE and COMPOSITION

Course Code: 3102

Grade: 12

Credit: 1.0

This Advanced Placement course in English Literature engages scholars in the careful reading and critical analysis of various genres of literature primarily in the Western canon. This rigorous, college-level course emphasizes extensive writing about excerpts of prose and poetry selections, as well as writing about entire novels and plays. Writing instruction in the course guides scholars toward developing and organizing ideas in clear, coherent, and persuasive language.

End of Course Assessment: AP Exam, first two weeks of May

Resources: The Bedford Introduction to Literature, Sixth Edition, Michael Meyer, Bedford/St. Martins; selected texts

Prerequisite: Pre-AP English 2 or equivalent; AP approval

Course Fee: SR 600

IB Courses

IB English A: Language and Literature (SL/HL)

Course Code: 3109, 3110, 3111, 3112

Grades: 11 and 12

Credit: 2.0

The English A: Language and Literature SL course introduces the critical study and interpretation of written and spoken texts from a wide range of literary forms and non-literary text types. The formal analysis of texts is supplemented by the awareness that meaning is not fixed but can change in respect to contexts of production and consumption. The course allows scholars to explore the language through its cultural development and use, its media forms and functions, and its literature. Scholars study 4 works at standard level (SL) from a representative selection of literary forms, periods, and places.

The English A: Language and Literature HL course introduces the critical study and interpretation of written and spoken texts from a wide range of literary forms and non-literary text types. The formal analysis of texts is supplemented by the awareness that meaning is not fixed but can change in respect to contexts of production and consumption. The course allows scholars to explore the language through its cultural development and use, its media forms and functions, and its literature. Subjects at higher level (HL) are studied in greater depth and breadth than at SL. Scholars study 6 works at SL from a representative selection of literary forms, periods, and places.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class hours.

Course Assessments:

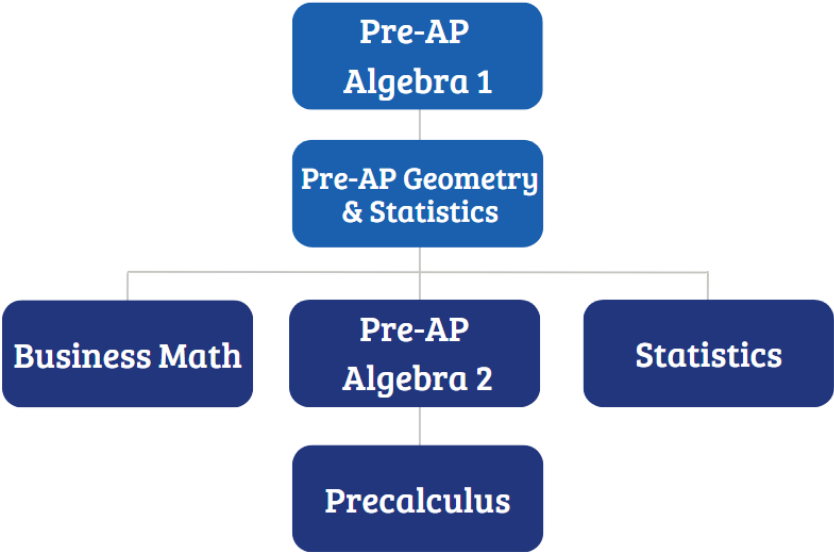
- External assessment: 2 essay papers, one requiring the analysis of unseen literary and non-literary text, and the other a comparative response to a question based on two literary works studied.
- HL scholars comply with an additional written coursework requirement which consists of writing a 1200 - 1500 word essay on one of the works or bodies of work studied.
- Internal assessment: an oral activity presenting their analysis of a literary work and a non-literary body of work studied in the context of a global issue

Resources: IBO curriculum; Brain Chanen and Robert Allison, IB English A: Language and Literature (Print and Online Course Book Pack), Oxford University Press

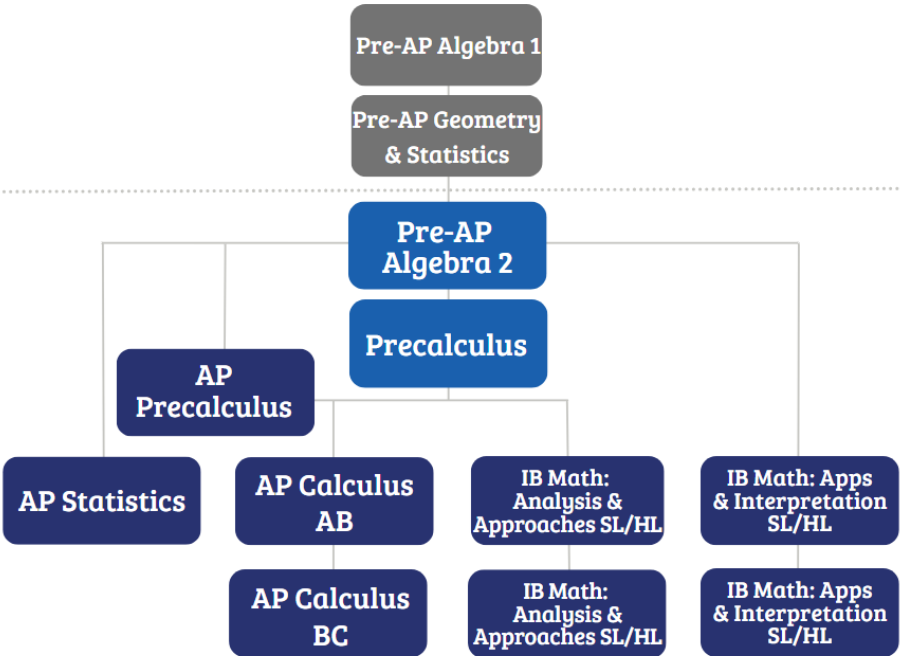
Prerequisite: Pre-AP English 2 or equivalent

Course Fee: SR 600 per year

Mathematics Department



Statistics (24-25)
Business Math (25-26)



Pre-AP ALGEBRA 1

Course Code: 3209

Grades: grade 7, 8, or 9

Credit: 1.0

The Pre-AP Algebra 1 course focuses deeply on mastery of linear relationships. Linear functions and linear equations are the basic building blocks of many advanced topics in mathematics. Therefore, Pre-AP Algebra 1 is streamlined to give scholars the time and space to thoroughly develop both procedural fluency and a deep conceptual understanding of these concepts and skills. This instructional focus fuels scholars' growth and confidence in mathematics.

End of Course Assessment: Pre-AP Exam, end of May/early June

Resources: CPM Core Connections Algebra 1

Prerequisite: None if in grade 9; 70% or better on Algebra 1 placement test if in grade 7 or 8

Pre-AP GEOMETRY with STATISTICS

Course Code: 3212

Grades: grade 8, 9, or 10

Credit: 1.0

Pre-AP Geometry with Statistics has a central focus on measurement that provides scholars with a holistic and comprehensive view of geometry as the study of shape and space. This course leverages transformations to deepen scholars' knowledge of similarity and congruence. Since transformations are functions, they afford scholars a rich opportunity to connect algebra and geometry meaningfully, leading to a more sophisticated understanding of functions specifically and mathematics more broadly. To address concerns of disjointed conceptual development and lack of sophisticated knowledge of statistics and probability, this course includes a unit that provides time for a sustained and focused examination of topics that are essential for quantitative literacy.

End of Course Assessment: Pre-AP Exam, end of May/early June

Resources: College Board Pre-AP Classroom

Prerequisite: Pre-AP Algebra 1 or 70% or better on the Pre-AP Algebra 1 challenge exam

Pre-AP ALGEBRA 2

Course Code: 3210

Grades: 9-12

Credit: 1.0

Pre-AP Algebra 2 extends the conceptual understanding and procedural fluency of functions and data analysis that scholars developed in prior courses. Scholars build upon linear, quadratic, and exponential functions as they work to define logarithmic, polynomial, rational, square root, cube root, and trigonometric functions. Quantitative literacy is developed by weaving data sets, contextual scenarios, and mathematical modeling throughout the course. Scholars are able to make sense of many real-world scenarios because of their increased toolbox of functions. These skills make scholars critical consumers of the day-to-day mathematics that surrounds them, as well as prepare them for subsequent coursework in mathematics and the sciences.

End of Course Assessment: Pre-AP Exam, end of May/early June

Resources: College Board Pre-AP Classroom; graphing calculator required (TI-83/84/86 recommended).

Prerequisite: Pre-AP Algebra 1; Pre-AP Geometry & Statistics or concurrent enrollment

PRECALCULUS

Course Code: 3206

Grades: 10-12

Credit: 1.0

This course is designed to introduce mathematical foundations that precede the calculus sequence with an emphasis on functions and graphs. Topics include Functions and Their Graphs, Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometric Functions, Conic Sections, Vectors, Matrix Operation, Probability,

Introduction to Limits and Derivatives.

End of Course Assessment: standard semester exams

Resources: CPM, Precalculus Third Edition; graphing calculator required (Texas Instrument TI-83 Plus or better)

Prerequisite: Pre-AP Algebra 2 or equivalent

PRINCIPLES of ACCOUNTING and BUSINESS MATHEMATICS

Course Code: 3208

Grade: 10-12

Credit: 1.0

This year-long course introduces basic concepts and standards underlying financial accounting systems. Several important concepts include revenue, inventory, assets, long-term liabilities, balance sheets, and cash flow statements. Simple and compound interest and future values are covered. Accounting concepts and techniques essential to the administration of business enterprise, analyzing and recording financial transactions are introduced in the context of Finance, Business Management, and Marketing.

End of Course Assessment: standard semester exams

Resources: Business Math Classroom Textbook.

Prerequisite: Pre-AP Geometry & Statistics

STATISTICS

Course Code: 3207

Grades: 10-12

Credit: 1.0

This course focuses on measures of central tendency and dispersion, elementary probability theory, normal, binomial, sampling distributions, estimation and significance testing, linear regression and correlation, and commonly used transformations. In addition, this course includes an introduction to the design of experiments, data analysis, correlation and regression, sampling errors, confidence intervals, and hypothesis tests, probability theory, counting techniques, conditional probability, random variables, central limit theorem, methods of estimation, hypothesis testing, and linear models. Key mathematical topics develop simple mathematical models from both a research and business perspective.

End of Course Assessment: standard semester exams

Resources: The Practice of Statistics; websites; a graphing calculator (preferably Texas Instruments TI84 plus).

Prerequisite: Pre-AP Geometry & Statistics

AP Courses

ADVANCED PLACEMENT PRECALCULUS

Course Code: 3214

Grades: 10-12

Credit: 1.0

AP Precalculus centers on functions modeling dynamic phenomena. This research-based exploration of functions is designed to better prepare scholars for college-level calculus and provide grounding for other mathematics and science courses. In this course, scholars study a broad spectrum of function types that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

End of Course Assessment: AP Exam, first two weeks of May

Resources: Flipped Math website: AP Precalculus, Barron's AP Precalculus Premium, Graphing calculator Texas Instrument TI-83.

Prerequisite: Pre-AP Algebra 2; AP approval (not to be taken with prior enrollment in Precalculus)

Course Fee: SR 600

ADVANCED PLACEMENT CALCULUS AB

Course Code: 3200

Grades: 11-12

Credit: 1.0

This course is a rigorous, college-level course that introduces scholars to calculus concepts. The emphasis is on skill development, applications, multi-representational approach to concepts, and expression of results graphically, numerically, analytically, and verbally, while using the graphing calculators. Topics include Limits and Properties - Evaluating Limits Graphically, Numerically, Infinite Limits; Differentiation - Derivative, Tangent Line, Rules of Differentiation, Applications of Differentiation- First Derivative Test, Second Derivative test, Optimization, Integration- Antiderivatives, Areas, Riemann Sums, Definite Integrals, Fundamental Theorem of Calculus, Differential Equations - Slope Fields, Growth and Decay, Applications of Integration- Area of Region Between the Curves, Volume of the Solid. The culmination of this course is taking the AP Calculus AB exam in May.

End of Course Assessment: AP Exam, first two weeks of May**Resources:** Calculus By Larson and Edwards 9th edition; graphing calculator (preferably a Texas Instrument TI-83 Plus or higher model).**Prerequisite:** Precalculus or AP Precalculus; AP approval (not to be taken with concurrent enrollment in IB A&A)**Course Fee:** SR 600**ADVANCED PLACEMENT CALCULUS BC**

Course Code: 3213

Grades: 12

Credit: 1.0

This course is a rigorous, college-level extension of AP Calculus AB. Topics include Limits and Their Properties- Evaluating Limits Graphically, Numerically, Infinite Limits; Differentiation - Derivative, Tangent Line, Rules of Differentiation, Applications of Differentiation- First Derivative Test, Second Derivative Test, Optimization, Integration, Anti-Derivatives, Areas, Riemann Sums, Definite Integrals, Fundamental Theorem Of Calculus, Differential Equations - Slope fields, Growth and Decay, Applications of Integration- Area of Region Between the Curves, Volume of the Solid, Arc Length, Surface of Revolution, Integration by Parts, Trigonometric Integrals, Trigonometric Substitution, Partial Fractions, Improper Integrals, L-Hopitals' Rule, Indeterminate Forms, Infinite Series, Convergence, Divergence, Geometric, Harmonic, Alternating Series, Ratio Test, Power Series, Taylor and MacLaurin Series, Radius and Interval of Convergence. The culmination of this course is taking the AP Calculus BC exam in May.

End of Course Assessment: AP Exam, first two weeks of May**Resources:** Calculus with Analytic Geometry 9th Ed., Larson, Hostetler, and Edwards; graphing calculator (preferably a Texas Instrument TI-83 Plus or higher model)**Prerequisite:** AP Calculus AB (not to be taken with concurrent enrollment in IB A&A)**Course Fee:** SR 600**ADVANCED PLACEMENT STATISTICS**

Course Code: 3201

Grades: 11-12

Credit: 1.0

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces scholars to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling, experimentation, anticipating patterns, and statistical inference. scholars use technology, investigations, problem solving, and writing as they build conceptual understanding.

End of Course Assessment: AP Exam, first two weeks of May**Resources:** Practice of Statistics, 6th edition, Calculator Ti 84+**Prerequisite:** Pre-AP Algebra 2 or Statistics with teacher approval; AP approval**Course Fee:** SR 600

IB Courses

IB Mathematics: Applications and Interpretation (SL/HL)

Course Code: 3219, 3220, 3221, 3222

Grades: 11 and 12

Credit: 2.0

Mathematics SL Applications and Interpretation is a course designed for scholars who wish to gain a good knowledge of mathematics, with an emphasis on the applied nature of the subject. They may have found more traditional mathematics courses a challenge and it will appeal to scholars who enjoy the practical application of mathematics to real-life situations. This course is suitable for scholars who may go on to further study in subjects that utilize mathematics in this way such as biology, the human sciences, and business.

Mathematics HL Applications and Interpretation is a course designed for scholars who wish to gain an in-depth knowledge of mathematics, but with an emphasis on the applied nature of the subject. It will appeal to scholars who enjoy the practical application of mathematics to real-life situations. This course is suitable for scholars who may go on to further study in subjects that utilize mathematics in this way such as biology, the human sciences, and business.

Course Assessments:

- External assessment: 2 papers containing short-response and extended-response questions. Both papers allow the use of calculators
- HL scholars write the third paper containing two compulsory extended-response problem-solving questions
- Internal assessment: a report written by a scholar on a chosen topic

Resources: IBO curriculum; Tim Garry et al., Pearson IB Mathematics Applications and Interpretation SL (Text & Ebook bundle)

Prerequisite: Pre-AP Algebra 2 or equivalent

Course Fee: SR 600 per year

IB Mathematics: Analysis and Approaches (SL/HL)

Course Code: 3215, 3216, 3217, 3218

Grades: 11 and 12

Credit: 2.0

Mathematics SL Analysis and Approaches is a course designed for scholars who wish to study a good level of mathematics, but not at a higher level. It will appeal to scholars who are interested in exploring real and abstract applications of mathematical concepts. They will enjoy problem solving and generalization. This course is suitable for scholars who may go on to further study in subjects that have a mathematical background, for example, economics, geography, and chemistry.

Mathematics HL Analysis and Approaches is a course designed for scholars who wish to study mathematics in-depth and gain a formal understanding of the subject. It will appeal to scholars who are interested in exploring real and abstract applications of mathematical concepts. They will enjoy problem solving and generalization. This course is suitable for scholars who may go on to further study in subjects that have a significant level of mathematics content, for example, mathematics itself, engineering, physical sciences, or economics.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class hours.

Course Assessments:

- External assessment: 2 papers containing short-response and extended-response questions. One paper allows the use of calculators, while the other does not.
- HL scholars write the third paper with short and extended-response questions
- Internal assessment: a report written by a scholar on a chosen topic

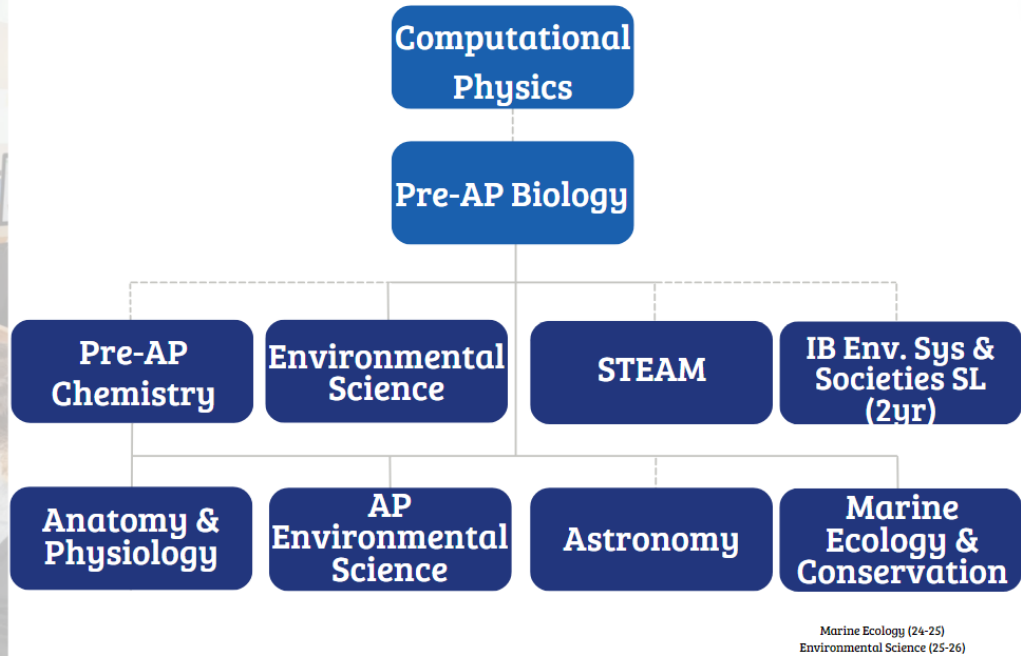
Resources: IBO curriculum; Marlene Skoumal et al., IB Mathematics: analysis and approaches, HL Course Companion (Print and Enhanced Online Course Pack), Oxford University Press

Prerequisite: Precalculus or equivalent (not to be taken with concurrent enrollment in AP Calculus AB/BC)

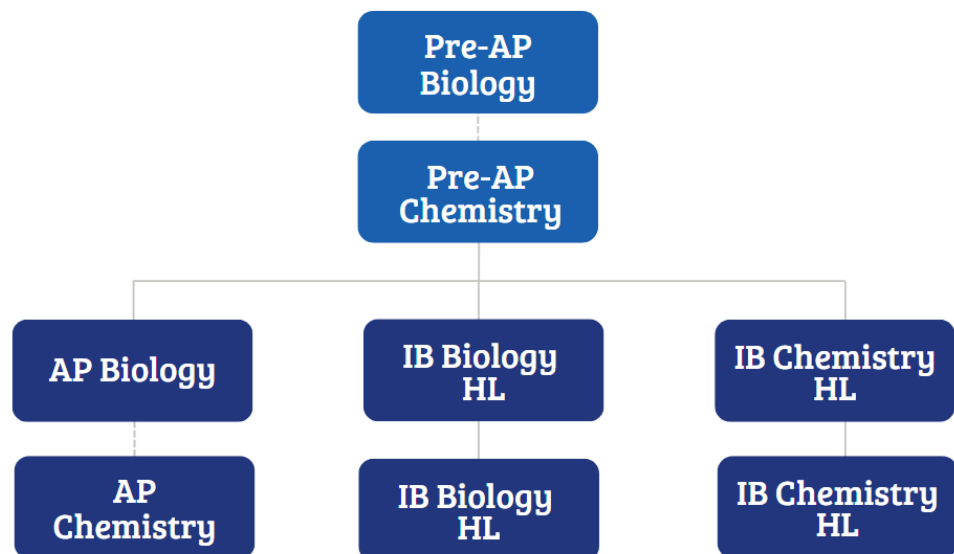
Course Fee: SR 600 per year

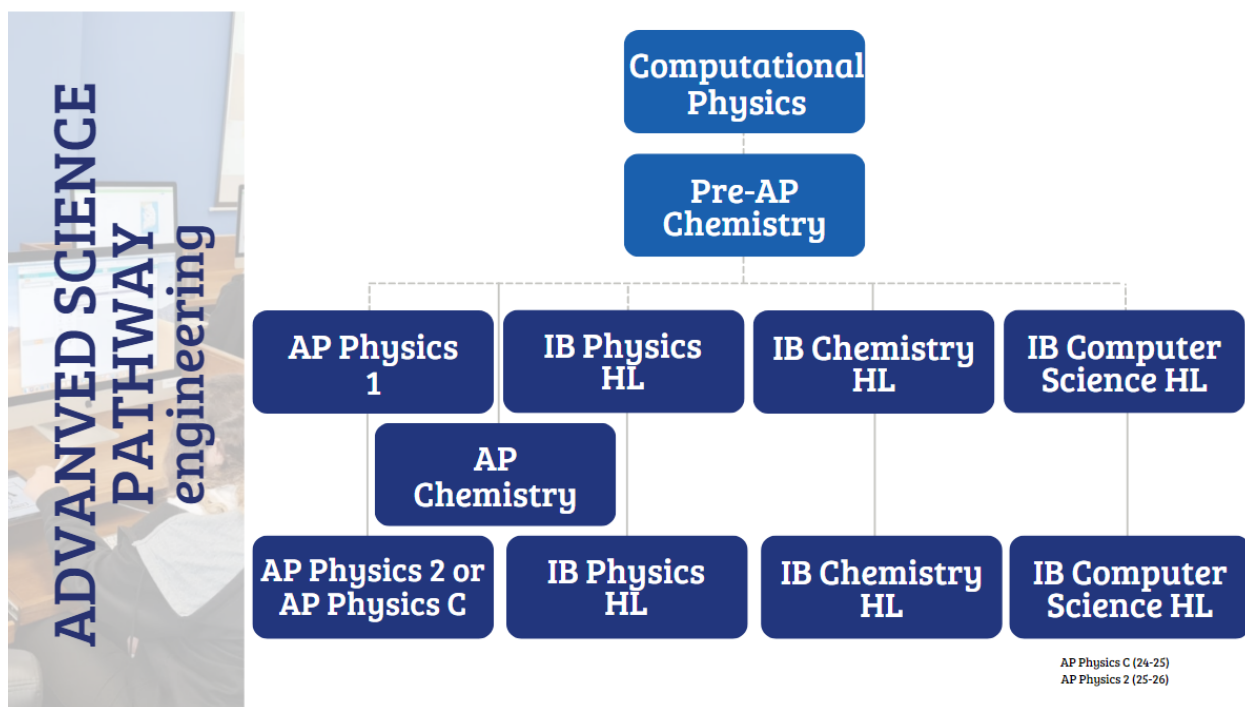
Science Department

STANDARD SCIENCE DEPARTMENT PATHWAY



ADVANCED SCIENCE PATHWAY medicine





COMPUTATIONAL PHYSICS

Course Code: 3311

Grades: 9-12

Credit: 1.0

This course serves as an introduction to inquiry-based learning in the natural sciences. Scholars will learn to formulate hypotheses, design rigorous experiments to test their hypothesis and use 'Claim, Evidence and Reasoning' (CER)-format to present their work. Physics is approached with an emphasis on conceptual understanding. Eventually, scholars will be expected to apply the quantitative models that they learn in computer science and math class to new phenomena. The course will cover topics in mechanics, including motion, forces and energy.

End of Course Assessment: Standard semester exams

Resources: Paul Hewitt, Conceptual Physics, 12th edition, Pearson

Prerequisite: 8th grade Science, Algebra 1 or concurrent enrollment

Pre-AP BIOLOGY

Course Code: 3315

Grades: 9-10

Credit: 1.0

Pre-AP Biology sparks scholar motivation and critical thinking about our living world as they engage in real-world data analysis and problem-solving. Through the Areas of Focus, scholars engage deeply with science practices to construct and refine their biological knowledge and strengthen their cross-disciplinary reading, writing, and mathematical skills as they analyze data. Pre-AP Biology fosters scholar growth as they make meaningful connections among the structures, processes, and interactions that exist within and across living systems—from cells to ecological communities. Pre-AP Biology motivates scholars to be active participants in analyzing real-world phenomena and to collaborate productively with their peers in dialogue, investigations, and problem-solving.

End of Course Assessment: Course Final Exam

Resources: College Board pre-AP Classroom, Inspire Biology, McGraw Hill, 2020.

Prerequisite: Pre-AP Algebra 1 or equivalent strongly recommended

Pre-AP CHEMISTRY

Course Code: 3332

Grades: 10-12

Credit: 1.0

Pre-AP Chemistry focuses on scholars developing a deep conceptual understanding of matter and energy at the molecular level by asking scholars to explain their macroscopic observations using particulate-level reasoning. Scholars begin their exploration of matter by observing and measuring macroscopic properties of everyday materials and progress through the course to explore deeper and more detailed perspectives of the particle nature of matter. Pre-AP Chemistry motivates scholars to be active participants in applying critical thinking and mathematical skills as they engage in context-driven mathematics, data analysis, modeling, and productive collaboration with their peers.

End of Course Assessment: Course Final Exam

Resources: College Board pre-AP Classroom

Prerequisite: Pre-AP Algebra 1; Pre-AP Geometry & Statistics concurrent enrollment

ENVIRONMENTAL SCIENCE

Course Code: 3312

Grades: 10-12

Credit: 1.0

The purpose of this course is to analyze many issues concerning our environment, such as the growing world population and the pressures on natural resources. Using the NGSS (Next Generation Science Standards), the following skills are developed: scientific-inquiry skills and analytical skills as they integrate important information from a number of different fields such as biology, geography, chemistry, physics, economics, sociology, law, and politics. Topics or themes covered include environmental degradation, poverty, and many forms of pollution. By the end of the course, scholars should be able to develop a higher appreciation of their environment and treat it accordingly.

End of Course Assessment: Standard semester exams

Resources: Stemscores

Prerequisite: Pre-AP Biology or equivalent and Pre-AP Algebra I or equivalent

MARINE ECOLOGY & CONSERVATION

Course Code: 3334

Grades 10-12

Credit: 1.0

The world's oceans cover more than 70 percent of the earth's surface. They house great biological diversity and a rich resource base that benefits society in innumerable ways. Many of the ocean's diverse and critically important ecosystems have been seriously degraded by humans. This course will focus on identifying marine ecosystems, their importance and the ecological impacts of human activities. Topics such as identification of key groups of marine organisms, marine biodiversity, endangered species, overfishing, aquaculture, Great Pacific Garbage Patch, microplastics, effects of global climate change on oceans, design and management of marine protected areas will be covered.

This course will emphasize problem-solving, interpretation of data, and interdisciplinary thinking. You will: 1. Develop the knowledge and critical thinking skills necessary to understand the most important threats facing the marine realm and the resources it contains; 2. Apply the content knowledge to Case Studies to analyze real-world scenarios and suggest solutions; 3. Select and use appropriate tools and technology (such as computer-linked probes, spreadsheets, and graphing calculators) to collect data, analyze relationships, and display results.

End of Course Assessment: Standard semester exams

Resources: Google slides, case studies, documentaries, lab equipment

Prerequisite: Pre-AP Biology or equivalent and Pre-AP Algebra 1 or equivalent

STEAM

Course Code: 3314

Grades: 10-12

Credit: 1.0

The course is dedicated to STEAM education where scholars will experience firsthand the process of discovery in recognizing real world problems and working towards solutions. Scholars will be familiar with the engineering design process. They will be engaged in the process of construction, testing, and redesign in product development through hands-on activities. Topics under which the hand-based projects occur include the life sciences, physics, chemistry, in addition to art. Moreover, scholars will be introduced to the scientific methodologies used in forensic investigations. Crosscutting concepts including observation skills, investigative processes, analyzing crime scenes, types of evidence and evidence collection as well as an introduction to toxicology, autopsy, forensic anthropology and forensic entomology will be introduced. Scholars will develop knowledge in the core disciplinary ideas including inquiry-based thinking while bridging disciplinary boundaries, uniting core ideas throughout the fields of science and engineering. At the end of the course, scholars will have developed novel and adaptive thinking, transdisciplinarity, a design mindset, collaborative and communication skills, problem solving skills and new media literacy.

End of Course Assessment: Projects

Resources: Google slides, case studies, labs, documentaries

Prerequisite: None

ANATOMY and PHYSIOLOGY

Course Code: 3313

Grades 10-12

Credit: 1.0

Anatomy and Physiology is a year-long course of investigating the human body systems and disorders. Scholars will earn deep understanding of medical terminology, basic chemistry, cell, and tissue structure, as well as the intricate interactions of the human body systems (integumentary, skeletal, muscular, nervous, endocrine, circulatory, lymphatic, digestive, respiratory, urinary, and reproductive). Practical work will include both hands on dissection labs, the use of VR to explore the body, and a culminating research project at the end of each unit on system disorder and medical innovations

End of Course Assessment: Standard semester exams

Resources: Essentials of Anatomy and Physiology, Fifth Edition by Scanlon and Sanders

Prerequisite: Pre-AP Biology

ASTRONOMY

Course Code: 3317

Grades 11-12

Credit: 1.0

Scholars will develop models of space and time that enable them to locate objects and map space from the perspective of Earth. Then, they will examine motion and forces in order to develop a generalizable model of orbital motion. Next, they will construct both particle and wave models of light as a mode of energy transfer (and information transfer) via radiation. Finally, participants will develop a model of cosmic evolution, to better understand the history and fate of our universe. In this final unit of study, we will consider the probability of life elsewhere in the universe, on exoplanets, by deriving the famous SETI Drake Equation.

Scholars will develop skills and knowledge in observational astronomy, image acquisition, stellar photometry, data and image analysis, and how telescopes work. In the process they will uncover a number of basic physics concepts: forces, measurement, motion, gravity, light, electricity & magnetism. They will access remote telescopes and collaborate with professional exoplanet astronomers in their own exoplanet observations. Scholars will also get access to physical telescopes for classroom use in exoplanet observing.

End of Course Assessment: Standard semester exams

Resources: Provided by the Science Department

Prerequisite: Pre-AP Algebra 1 and Pre-AP Geometry & Statistics

AP Courses

ADVANCED PLACEMENT BIOLOGY

Course Code: 3300

Grade 11-12

Credit: 1.0

AP Biology is an introductory college-level biology course. Scholars cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology and interactions. The course curriculum is compatible with many Biology courses in colleges and universities. At the end of the course, the scholar should be able to understand and use biological concepts and principles; know and apply the skills and processes of Biology and Technology used in the field; and understand the nature and contexts of Biology. The culmination of this course is taking the AP Biology exam in May.

End of Course Assessment: AP Exam, first two weeks of May

Resources: Online textbook- Biology for AP® Courses by OpenStax 2018. Resources from the College Board.

Prerequisite: Pre-AP Algebra 1, Pre-AP Biology; Pre-AP Chemistry-highly recommended; AP approval

Course Fee: SR 600

ADVANCED PLACEMENT CHEMISTRY

Course Code: 3301

Grades: 11-12

Credit: 1.0

The AP Chemistry course provides scholars with a college-level foundation to support future advanced coursework in chemistry. Scholars cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Created by the AP Chemistry Development Committee, the course curriculum is compatible with many Chemistry courses in colleges and universities. At the end of the course, the scholar should be able to, at a college level, understand and use chemical concepts and principles, know and apply the skills and processes of chemistry and technology used in the field, and understand the nature and contexts of chemistry. The culmination of this course is taking the AP Chemistry exam in May.

End of Course Assessment: AP Exam, first two weeks of May

Resources: Zumdahl, Steven S., and Susan A. Zumdahl. Chemistry. 8th ed., AP ed. Belmont, CA: Brooks/Cole, Cengage Learning, 2012. eBook.

Prerequisite: Pre-AP Algebra 2, Pre-AP Chemistry; AP approval

Course Fee: SR 600

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

Course Code: 3302

Grades 11-12

Credit: 1.0

The goal of this rigorous, college-level course is to provide scholars with the scientific principles, concepts, and methodology required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solution or preventing them. Environmental Science is interdisciplinary; it embraces a wide variety of topics from different areas of study. The following themes provide a foundation for the structure of the AP Environmental Science Course: Science is a process, energy conversion underlies all ecological processes, the earth itself is one interconnected system, humans alter natural systems, environmental problems have a cultural and social context, human survival depends on developing practices that will achieve sustainable systems.

End of Course Assessment: AP Exam, first two weeks of May

Resources: Environmental Science for the AP course. Third Edition 2015. By Friedland and Relyea. College Board.

Prerequisite: Pre-AP Biology, Pre-AP Algebra 1; AP approval

Course Fee: SR 600

ADVANCED PLACEMENT PHYSICS 1: ALGEBRA-BASED

Course Code: 3303

Grades: 10-12

Credit: 1.0

This course is the equivalent of a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and

mechanical waves and sound. It will also introduce electric circuits.

End of Course Assessment: AP Exam, first two weeks of May

Resources: Text: Knight, College Physics: A Strategic Approach 3e.

Prerequisite: Pre-AP Geometry & Statistics; Pre-AP Algebra 2 or concurrent enrollment; AP approval

Course Fee: SR 600

ADVANCED PLACEMENT PHYSICS 2: ALGEBRA-BASED

Course Code: 3316

Grades 11-12

Credit: 1.0

This course is an algebra-based, introductory college-level physics course. Scholars cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as fluid statics and dynamics, thermodynamics with kinetic theory, PV diagrams and probability, electrostatics, electrical circuits with capacitors, magnetic fields, electromagnetism, physical and geometric optics, and quantum, atomic, and nuclear physics.

End of Course Assessment: AP Exam, first two weeks of May

Resources: Text: Knight, College Physics: A Strategic Approach 3e.

Prerequisite: AP Physics 1 and Precalculus

Course Fee: SR 600

ADVANCED PLACEMENT PHYSICS C: MECHANICS

Course Code: 3335

Grades 11-12

Credit: 1.0

“**AP Physics C: Mechanics** is a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in one of the physical sciences or engineering. Students cultivate their understanding of physics through classroom study and activities as well as hands-on laboratory work as they explore concepts like change, force interactions, fields, and conservation.” (CollegeBoard CED, 2020)

Each scholar is expected to take the AP Physics C exam at the end of the year in May.

End of Course Assessment: AP Exam, first two weeks of May

Resources: Knight, College Physics: A Strategic Approach 3e.

Prerequisite: AP Physics 1 and Precalculus (or AP Precalc); concurrent enrollment in AP Calculus AB or BC

Course Fee: SR 600

IB Courses

IB Biology (SL/HL)

Course Code: 3318, 3319, 3320, 3321

Grades: 11 and 12

Credit: 2.0

Biology HL and SL teaches scholars how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the sciences. Teachers provide scholars with opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers, and evaluate and communicate their findings. Topics include cell and molecular biology, genetics, ecology, evolution, physiology, neurobiology, and biotechnology.

In addition to SL topics, Biology HL topics include nucleic acid, metabolism, cell respiration, plant biology, genetics, and animal physiology.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class hours.

Course Assessments:

- External assessment: 2 papers with multiple-choice, short answers, and data based and experimental work

- questions [SL 3 hrs, HL 4.5 hrs]
- Scientific investigation: an individual scientific investigation and write-up of 3000 words that count for 20% for the overall grade

Resources: IBO curriculum; Biology for the IB Diploma Programme by Pearson 3rd edition

Prerequisite: Pre-AP Biology or equivalent

Course Fee: SR 600 per year

IB Chemistry (SL/HL)

Course Code: 3322, 3323, 3324, 3325

Grades: 11 and 12

Credit: 2.0

Chemistry SL combines academic study with the acquisition of practical and investigational skills. The DP chemistry course allows scholars to develop a wide range of practical skills and to increase facility in the use of mathematics. It also allows scholars to develop interpersonal and information technology skills, which are essential to life in the 21st century. Chemistry SL topics include stoichiometric relationships, atomic structure, periodicity, chemical bonding, thermochemistry, chemical kinetics, acids and bases, redox processes, organic chemistry, and data processing

Chemistry HL combines academic study with the acquisition of practical and investigational skills. The DP chemistry course allows scholars to develop a wide range of practical skills and to increase facility in the use of mathematics. It also allows scholars to develop interpersonal and information technology skills, which are essential to life in the 21st century. In addition to SL topics, Chemistry HL topics include transitional metals, biochemistry, and medicinal chemistry.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class hours.

Course Assessments:

- External assessment: 3 papers with multiple-choice, data- and practical-based questions, short answers, and extended response questions
- HL assessments are longer and include more questions than SL assessments
- Internal assessment: an individual investigation and write-up of 6 to 12 pages

Resources: IBO curriculum; Catrin Brown, Pearson Baccalaureate Chemistry Higher Level 2nd ed. (print + eText bundle); Sergey Bylikin and Gary Horner, IB Diploma Chemistry Course Companion (Book), Oxford University Press

Prerequisite: Pre-AP Chemistry or equivalent; Pre-AP Algebra 2 or equivalent (for HL)

Course Fee: SR 600 per year

IB Physics (SL/HL)

Course Code: 3328, 3329, 3330, 3331

Grades: 11 and 12

Credit: 2.0

Physics SL is an experimental science as it seeks to explain the universe itself, from the very smallest particles to the vast distances between galaxies. Besides helping us better understand the natural world, physics gives us the ability to alter our environments. This raises the issue of the impact of physics on society, the moral and ethical dilemmas, and the social, economic, and environmental implications of the work of physicists. Physics SL topics include measurements and uncertainties, mechanics, thermal physics, waves, electricity and magnetism, circular motion and gravitation, atomic, nuclear, particle physics, and energy production.

Physics HL is an experimental science as it seeks to explain the universe itself, from the very smallest particles to the vast distances between galaxies. Besides helping us better understand the natural world, physics gives us the ability to alter our environments. This raises the issue of the impact of physics on society, the moral and ethical dilemmas, and the social, economic, and environmental implications of the work of physicists. In addition to SL topics, Physics HL topics include wave phenomena, fields, electromagnetic induction, quantum, and nuclear physics, and may offer components of relativity, engineering physics, imaging, or astrophysics.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class hours.

Course Assessments:

- External assessment: 3 papers with multiple-choice, data- and practical-based questions, short answers, and extended response questions
- HL assessments are longer and include more questions than SL assessments
- Internal assessment: an individual investigation and write-up of 6 to 12 pages

Resources: IBO curriculum; K.A.Tsokos, Physics for the IB Diploma Coursebook, 6th edition, Cambridge University Press

Prerequisite: Physics and Pre-AP Algebra 2 or equivalent

Course Fee: SR 600 per year

IB Environmental Systems and Societies (SL/HL) (interdisciplinary: Science or Individuals & Societies)

Course Code: TBD

Grades: 11 and 12

Credit: 2.0

Through studying Environmental Systems and Societies scholars will be provided with a coherent perspective of the interrelationships between environmental systems and societies; one that enables them to adopt an informed personal response to the wide range of pressing environmental issues that they will inevitably come to face. ESS is firmly grounded in both a scientific exploration of environmental systems in their structure and function and in the exploration of cultural, economic, ethical, political, and social interactions of societies with the environment. As a result of studying this course, scholars will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world. Topics include foundations of environmental systems and societies, ecosystems and ecology, biodiversity and conservation, water and aquatic food production systems and societies, soil systems and terrestrial food production systems and societies, atmospheric systems and societies, climate change and energy production, human systems, and resource use.

SL study requires a minimum of 150 class hours.

As an interdisciplinary course, ESS can fulfill either the Individuals and Societies or the Sciences requirement. Alternatively, this course enables scholars to satisfy the requirements of both subject groups simultaneously while studying one course.

Course Assessments:

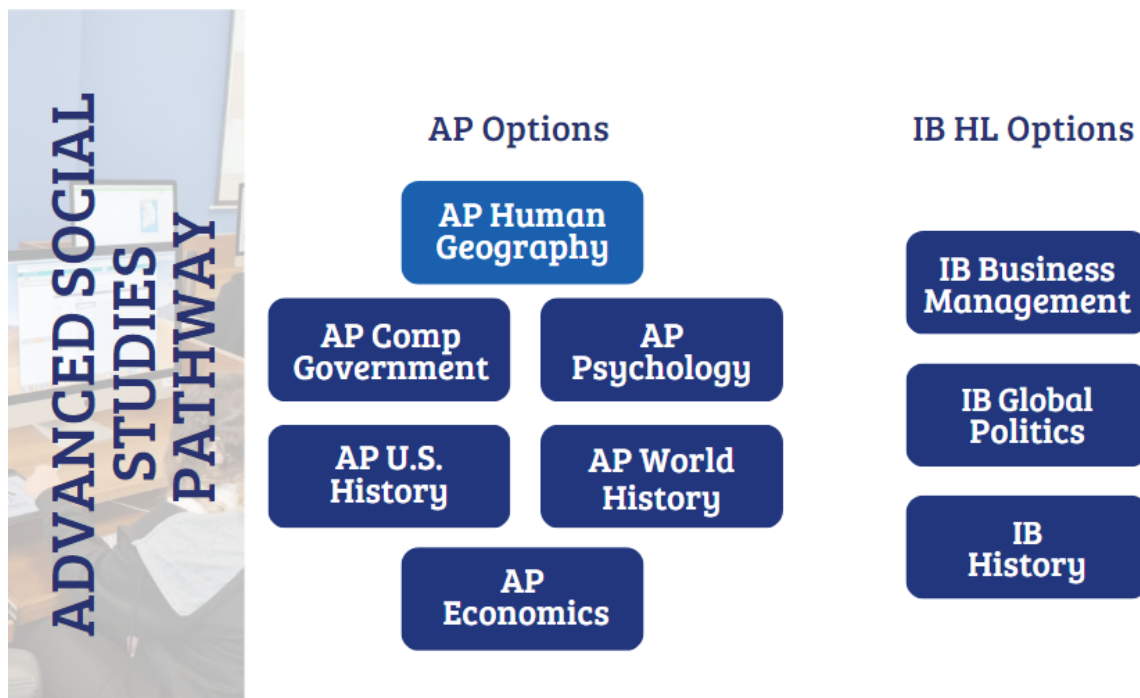
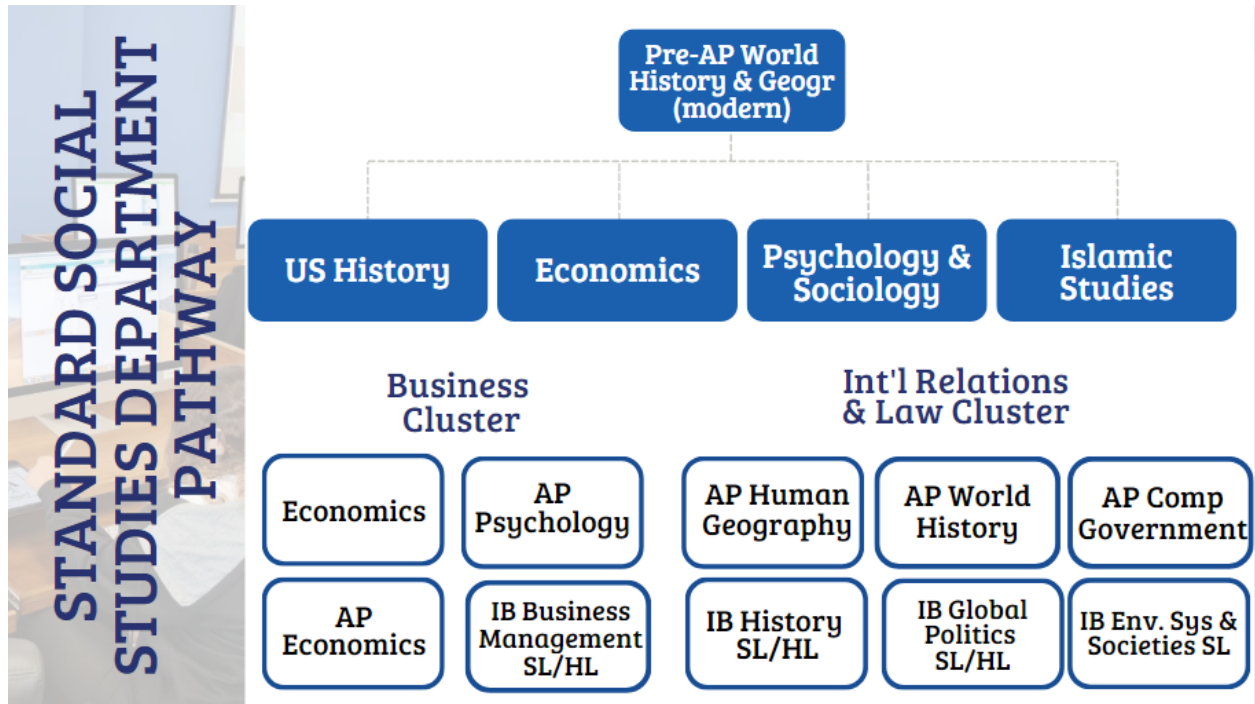
- External assessment: 2 papers with a case study, short answers, and structured essays
- Internal assessment: a written report of a research question designed and implemented by the scholar

Resources: IBO curriculum; Jill Rutherford and Gillian Williams, IB Environmental Systems and Societies (Print and Online Course Book Pack), Oxford University Press

Prerequisite: None; awareness of local and global environmental concerns and an understanding of the scientific method would be good preparation.

Course Fee: SR 600 per year

Social Studies Department



Pre-AP WORLD HISTORY and GEOGRAPHY (MODERN)

Course Code: 3424

Grade: 9

Credit: 1.0

This course is a chronological presentation of Modern World History. Scholars investigate the major events and factors that have influenced world development. Care is taken to foster skills such as map reading, analysis of primary documents, critical reading, and thinking. Major themes and their impact upon history are followed throughout the course; they include cultural diversity, religion, economics and technology, governmental and social structures, and global interaction. The course focuses on the concepts and skills that have maximum value for high school, college, careers, and civic life. The course builds scholars' essential skills and helps to prepare them for a range of AP history and social science coursework during high school, including AP Human Geography and all three AP history courses. The learning model is that of an apprenticeship. Primary and secondary sources take center stage in the classroom, and scholars use the tools of the historian and geographer to examine questions and build arguments.

End of Course Assessment: Pre-AP Exam, end of May/early June

Resources: World History and Geography, McGraw Hill Education 2018

Prerequisite: None

ECONOMICS

Course Code: 3412

Grades: 10-12

Credit: 1.0

This course introduces the principles of microeconomics and macroeconomics using the C3 Economics standards. It illuminates how each decision made by an individual is an economic one. Within this course, scholars will use the household as an entry point, then move to see how modern economics is forced to answer three basic questions: What goods and services to produce? How to produce certain goods and services? And for whom will the goods and services be produced? This course is a survey of different topics in economics, including scarcity, factors of production, opportunity cost & efficiency, elasticity, trade, the concept of money, banking, interest & exchange rates, the role of government, and entrepreneurship. By the end of this course, scholars will have a greater understanding of resources and how to use them.

End of Course Assessment: Standard semester exams

Resources: Case studies, readings, and slides provided in class

Prerequisite: None

ISLAMIC STUDIES A

Course Code: 3410

Grades: 10-12

Credit: 1.0

This course is taught in English and gives progressively more details on the subjects of Tawheed, Hadeeth, Fiqh, Seerah, Quran, and Tafseer. The scholars experience the Socratic model of learning. They are presented with the subject matters and given the opportunity to engage in civilized dialogues, to see the rationale and wisdom in the Divine instructions. Topics for discussion include the importance of seeking knowledge, Hajj & Umrah (including an Umrah trip to Makkah), review of Salah/Taharah; differentiation between monotheism, and polytheism. scholars also learn details about the religious and ethical obligations, such as Ramadhan and voluntary fasts, ruling on missed prayers, and taking oaths.

End of Course Assessment: Standard semester exams

Resources: Textbooks: The fundamentals of Tawheed; Studies in Islam (Book 9); Saheeh al-Bukhaari

Prerequisite: None

ISLAMIC STUDIES B

Course Code: 3411

Grades: 10-12

Credit: 1.0

This course is taught in English and gives progressively more details on the subjects of Tawheed, Hadeeth, Fiqh,

Seerah, Quran, & Tafseer. The scholars experience the Socratic model of learning. They are presented with the subject matters and given the opportunity to indulge in civilized dialogues, to see the rationale and wisdom in the Divine instructions. Topics for discussion include consequences of the tongue, inevitability of death, stages souls go through, correct and wrong practices at condolences, performance of the funeral prayers, background and significance of seven Quranic recitations, avoiding superstitions, awareness of major and minor sins. scholars also learn details about religious and ethical obligations, such as fasting, Aashoorah, Salah, and Taharah.

End of Course Assessment: Standard semester exams

Resources: Textbooks: The fundamentals of Tawheed; Tafseer Soorah al-Hujuraat; Islamic Studies Book 3

Prerequisite: None

PSYCHOLOGY and SOCIOLOGY

Course Code: 3415

Grades: 10–12

Credit: 1.0

Psychology

This course is an introduction to the principles and concepts of psychology, including founders, schools of thought, and behavioral disorders. Some of the topics studied include how individuals think, feel, and behave in regard to other people, personality development, abnormal behavior and its treatment, and the motivation behind individual behavior. One major focus is cognitive psychology, which includes perception, attention, memory, language, cultural cognition, and intuition. After taking this course scholars will have a greater understanding of the uniqueness of an individual and the work of psychologists.

Sociology

This course introduces the basic concepts and frames of reference of sociological investigation and interpretation. Topics include the basics of sociological theory, culture, socialization, groups and organizations, crime and deviance, social stratification and class, global stratification, race and ethnic relations, the role of gender, power politics, and government and religion. Throughout the course, the topics for discussion are examined within the framework of relevant sociological theory. By the end of the course, scholars will be able to identify the purpose of Sociology and the types of questions and research strategies used to understand and explain issues, organizations and institutions in society; differentiate between macro and micro analyses of society; describe the historical development of sociology, its major founders (Marx, Durkheim, Weber, etc.) and their main ideas and contributions; apply and formulate explanations of social issues and institutions utilizing the major sociological perspectives; and recognize and apply the specific sociological terms, definitions, and concepts.

End of Course Assessment: Standard semester exams

Resources: Myers' Psychology, 9th edition, Worth Publishers

Prerequisite: None

UNITED STATES HISTORY

Course Code: 3413

Grades: 10-11

Credit: 1.0

Highly recommended for US citizens, this course provides a broad analysis of the social, political, economic, and cultural history of the United States from the settling of the Americas to the challenges of the present day. scholars learn how people, resources, conflicts, wars, governments, religions, migration, immigration, science, and technology affect history over time. Special emphasis is given to the reconstruction, constitution, progressivism, imperialism, WW1, WW2, cold war, civil rights movement, the 1960s, the rise of conservatism, and the struggle for and maintenance of equality and freedom.

End of Course Assessment: Standard semester exams

Resources: History Alive! Pursuing American Ideals © 2013 Teachers' Curriculum Institute

Prerequisite: None

BUSINESS AND ENTREPRENEURSHIP

Course Code: 3432

Grades: 10-12

Credit: 1.0

This course introduces students to the fundamentals of business, entrepreneurship, and the economic principles that shape decision-making in the marketplace. Using a hands-on approach, students will explore how businesses are started, financed, marketed, and managed. They will examine the role of entrepreneurs in the economy, the importance of innovation, and how businesses respond to market demands. Key topics include business structures, financial management, budgeting, marketing strategies, supply and demand, competitive markets, and the impact of government regulations on businesses. Students will also develop practical skills in business planning, branding, and financial literacy.

By the end of this course, students will have a deeper understanding of what it takes to start and run a successful business, as well as the financial and economic factors that influence entrepreneurship.

End of Course Assessment: Standard semester exams

Resources: Case studies, real-world business scenarios, readings, and class-provided materials

Prerequisite: AP Human Geography or Pre-AP World History: Modern

AP Courses

ADVANCED PLACEMENT HUMAN GEOGRAPHY

Course Code: 3402

Grades 9-12

Credit: 1.0

AP Human Geography is a rigorous, college-level course that focuses on the distribution, processes, and effects of human populations on the planet. Units of study include population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography. Emphasis is placed on geographic models and their applications. Case studies from around the globe are compared to the situation in both the United States and locally.

End of Course Assessment: AP Exam, first two weeks of May

Resources: Human Geography: A Spatial Perspective, 1st edition, National Geographic Learning

Prerequisite: Grade 9 scholars must have an AP Potential recommendation or standardized assessment score in the 80th percentile in English (PSAT, MAP, etc.). All other grade levels would follow the typical AP approval

Course Fee: SR 600

ADVANCED PLACEMENT COMPARATIVE GOVERNMENT

Course Code: 3400

Grades: 10-12

Credit: 1.0

AP Comparative Government introduces major comparative political concepts, themes, and generalizations, as well as important facts pertaining to the governments and politics of China, Great Britain, Iran, Mexico, Nigeria, and Russia. scholars will understand typical patterns of political processes and behavior, their consequences, and will be able to compare political institutions and processes across countries and to derive generalizations. scholars will be able to analyze and interpret basic data relevant to comparative government and politics. Assessments will include a research project, debates on contemporary issues, and traditional tests and written assignments.

End of Course Assessment: AP Exam, first two weeks of May

Resources: AP Comparative Government and Politics: an Essential Coursebook, 8th ed

Prerequisite: AP approval

Course Fee: SR 600

ADVANCED PLACEMENT PSYCHOLOGY

Course Code: 3403

Grades: 10-12

Credit: 1.0

This rigorous, college-level course is designed to introduce scholars to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Scholars are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the

ethics and methods psychologists use in their science and practice.

End of Course Assessment: AP Exam, first two weeks of May

Resources: Psychology for the AP (third edition) by David G. Myers and C. Nathan DeWall

Prerequisite: AP approval

Course Fee: SR 600

ADVANCED PLACEMENT WORLD HISTORY: MODERN

Course Code: 3404

Grades: 10-12

Credit: 1.0

This rigorous, college-level course develops a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of change in international frameworks while making comparisons among major societies. Focused primarily on the past thousand years of global experience, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage prior to 500 CE. Periodization, explicitly discussed, forms the organizing principle for dealing with change and continuity from the past to the present. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study.

End of Course Assessment: AP Exam, first two weeks of May

Resources: Ways of the World: A Global History, 4th edition, AMSCO World History: Modern (1200-Present)

Prerequisite: Pre-AP World History & Geography (modern) or AP Human Geography; AP approval

Course Fee: SR 600

ADVANCED PLACEMENT ECONOMICS

Course Code: 3401

Grades: 11-12

Credit: 1.0

AP Economics is a year-long advanced course, which is split into 2 sections: Microeconomics (semester 1) and Macroeconomics (semester 2). Each scholar is expected to take the AP Microeconomics and Macroeconomics exams at the end of the year in May. Memorization will not suffice, as scholars must develop their critical and analytical thinking skills to achieve at a high level.

AP Microeconomics

The purpose of the AP course in microeconomics is to give scholars a thorough understanding of the principles of economics that apply to the functions of individual decision-makers, both consumers and producers, within the economic system. It places primary emphasis on profit-maximization, perfect and imperfect competition, the nature and functions of product and resource markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

AP Macroeconomics

The purpose of the AP course in macroeconomics is to give scholars a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops scholars' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

End of Course Assessment: AP Exam, first two weeks of May

Resources: David Anderson and Margaret Ray, Krugman's Economics for the AP Course, third edition, Bedford

Prerequisite: Pre-AP Algebra 2; AP approval

Course Fee: SR 900 (two separate exams for Micro and Macro)

ADVANCED PLACEMENT UNITED STATES HISTORY

Course Code: 3425

Grades: 11-12

Credit: 1.0

This rigorous, college-level course is designed to help the scholar develop the analytical skills and factual knowledge necessary to deal with the problems and materials in United States history. scholars learn to assess historical

materials and their relevance to a given issue, their reliability & importance, and to weigh the evidence and interpretations presented in historical scholarship. This AP course is designed to give scholars a detailed understanding of the subject matter of United States history and in major interpretive questions that are derived from the study of selected themes.

End of Course Assessment: AP Exam, first two weeks of May

Resources: AP US History textbook

Prerequisite: AP approval

Course Fee: SR 600

IB Courses

IB Business Management (SL/HL)

Course Code: 3416, 3417, 3418, 3419

Grades: 11 and 12

Credit: 2.0

Business Management SL focuses on business functions, management processes, and decision-making in contemporary contexts of strategic uncertainty. scholars examine how business decisions are influenced by factors that are internal and external to an organization and how these decisions impact a range of internal and external stakeholders. Emphasis is placed on strategic decision-making and operational business functions. Curriculum components include business management, human resource management, finance and accounts, marketing, and operations management

Business Management HL focuses on business functions, management processes, and decision-making in contemporary contexts of strategic uncertainty. scholars examine how business decisions are influenced by factors that are internal and external to an organization and how these decisions impact a range of internal and external stakeholders. Emphasis is placed on strategic decision-making and operational business functions. In addition to SL components, curriculum components for HL include corporate culture, industrial/employee relations, debt and equity ratio analysis, budgets, international management, crisis management, production planning, etc.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class hours.

Course Assessments:

- External assessment: 2 papers, one that is based on a pre-released statement that specifies the context and background for the unseen case study, and the other is based on unseen stimulus material with a quantitative focus
- HL assessment includes the third paper based on unseen stimulus material about a social enterprise
- Internal assessment: a research project about a real business issue or problem facing a particular organization using a conceptual lens

Resources: IBO curriculum; Martin Muchena et al., IB Business Management Course Companion (Print and Online Course Book Pack), Oxford University Press, InThinking, Managebac

Prerequisite: One year of Social Studies and two years of high-school-level Mathematics

Course Fee: SR 600 per year

IB History (SL/HL)

Course Code: 3420, 3421, 3422, 3423

Grades: 11 and 12

Credit: 2.0

History SL is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social, and cultural, and provides a balance of structure and flexibility. The course emphasizes the importance of encouraging scholars to think historically and to develop historical skills as well as gain factual knowledge. It puts a premium on developing the skills of critical thinking, and on developing an understanding of multiple interpretations of history. There are six key concepts that have particular prominence throughout the DP history course: change, continuity, causation, consequence, significance, and perspectives. Curriculum components include prescribed subjects like military leaders, conquest, global war, rights and protest, conflict and intervention, as well as world history topics like society and economy,

dynasties, industrialization, independence movements, causes and effects of 20th-century wars, and others.

History HL is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social, and cultural, and provides a balance of structure and flexibility. The course emphasizes the importance of encouraging scholars to think historically and to develop historical skills as well as gain factual knowledge. It puts a premium on developing the skills of critical thinking, and on developing an understanding of multiple interpretations of history. There are six key concepts that have particular prominence throughout the DP history course: change, continuity, causation, consequence, significance, and perspectives. In addition to SL components, curriculum components for HL include one in-depth study from the following choices: History of Africa and the Middle East, History of the Americas, History of Asia and Oceania, or History of Europe.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class hours.

Course Assessments:

- External assessment: 2 papers: one source-based paper on one of the prescribed subjects, and one essay paper based on world history topics.
- HL assessment includes the third essay paper based on one of the four regional options
- Internal assessment: a historical investigation into a topic of the scholar's choice

Resources: Oxford IB Diploma Programme The Move to Global War, Authoritarian States, The Cold War: Superpower Tensions and Rivalries

Prerequisite: One history class in high school

Course Fee: SR 600 per year

IB Global Politics (SL/HL)

Course Code: 3426, 3427

Grades: 11 and 12

Credit: 2.0

The DP global politics course explores fundamental political concepts such as power, equality, sustainability and peace in a range of contexts. It allows scholars to develop an understanding of the local, national, international and global dimensions of political activity and processes, as well as to explore political issues affecting their own lives. The course helps scholars to understand abstract political concepts by grounding them in real-world examples and case studies. It also invites comparison between such examples and case studies to ensure a wider and transnational perspective. Teachers explicitly teach thinking and research skills such as comprehension, text analysis, transfer, and use of primary sources. The study of global politics enables scholars to critically engage with different and new perspectives and approaches to politics in order to comprehend the challenges of the changing world and become aware of their role in it as active global citizens.

The aims of the global politics course are to enable scholars to:

- understand key political concepts and contemporary political issues in a range of contexts
- develop an understanding of the local, national, international and global dimensions of political activity
- understand, appreciate and critically engage with a variety of perspectives and approaches in global politics
- appreciate the complex and interconnected nature of many political issues, and develop the capacity to interpret competing and contestable claims regarding those issues.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class hours.

Course Assessments:

- External assessment: 2 papers: one paper with three short-answer questions on the core and one essay from a choice of biological, cultural, or sociocultural components; the second paper is a response to one question
- HL assessments include additional essays/responses for papers 1 and 2, as well as the third paper with three short answer questions on approaches to research.
- Internal assessment is a report on an experimental study undertaken by the scholar.

Resources: IBO curriculum; Alexey Popov et al., IB Diploma Psychology Course Companion 2nd edition (Print and Online Course Pack), Oxford University Press

Prerequisite: One year of Social Studies

Course Fee: SR 600 per year

IB Environmental Systems and Societies (SL/HL)

Course Code: 3428

Grades: 11 and 12

Credit: 2.0

Through studying Environmental Systems and Societies scholars will be provided with a coherent perspective of the interrelationships between environmental systems and societies; one that enables them to adopt an informed personal response to the wide range of pressing environmental issues that they will inevitably come to face. ESS is firmly grounded in both a scientific exploration of environmental systems in their structure and function and in the exploration of cultural, economic, ethical, political, and social interactions of societies with the environment. As a result of studying this course, scholars will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world. Topics include foundations of environmental systems and societies, ecosystems and ecology, biodiversity and conservation, water and aquatic food production systems and societies, soil systems and terrestrial food production systems and societies, atmospheric systems and societies, climate change and energy production, human systems, and resource use.

SL study requires a minimum of 150 class hours.

As an interdisciplinary course, ESS can fulfill either the Individuals and Societies or the Sciences requirement. Alternatively, this course enables scholars to satisfy the requirements of both subject groups simultaneously while studying one course.

Course Assessments:

- External assessment: 2 papers with a case study, short answers, and structured essays
- Internal assessment: a written report of a research question designed and implemented by the scholar

Resources: IBO curriculum; Jill Rutherford and Gillian Williams, IB Environmental Systems and Societies (Print and Online Course Book Pack), Oxford University Press

Prerequisite: None; awareness of local and global environmental concerns and an understanding of the scientific method would be good preparation.

Course Fee: SR 600 per year

IB Psychology (SL/HL)

Course Code: 3429, 3430

Grades: 11 and 12

Credit: 2.0

At the core of the DP psychology course is an introduction to three different approaches to understanding behavior: the biological, cognitive and sociocultural approaches. Students study and critically evaluate the knowledge, concepts, theories and research that have developed the understanding in these fields. The contribution and the interaction of the three approaches is understood through the four options in the course, focusing on areas of applied psychology: abnormal psychology, developmental psychology, health psychology, and the psychology of relationships.

Psychologists employ a range of research methods, both qualitative and quantitative, to test their observations and hypotheses. DP psychology promotes an understanding of the various approaches to research and how they are used to critically reflect on the evidence as well as assisting the design, implementation, analysis and evaluation of the students' own investigations. Surrounding the approaches and the options are the overarching themes of research and ethics. A consideration of both is paramount to the nature of the subject.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class hours.

Course Assessments:

- External assessment: 2 papers: one paper with three short-answer questions and one essay from a choice of biological, cognitive, or sociocultural approaches; the second paper is a response to one question.
- HL assessments include an additional HL topic for paper 1 and an additional question for paper 2.
- Internal assessment is a report on an experimental study undertaken by the scholar.

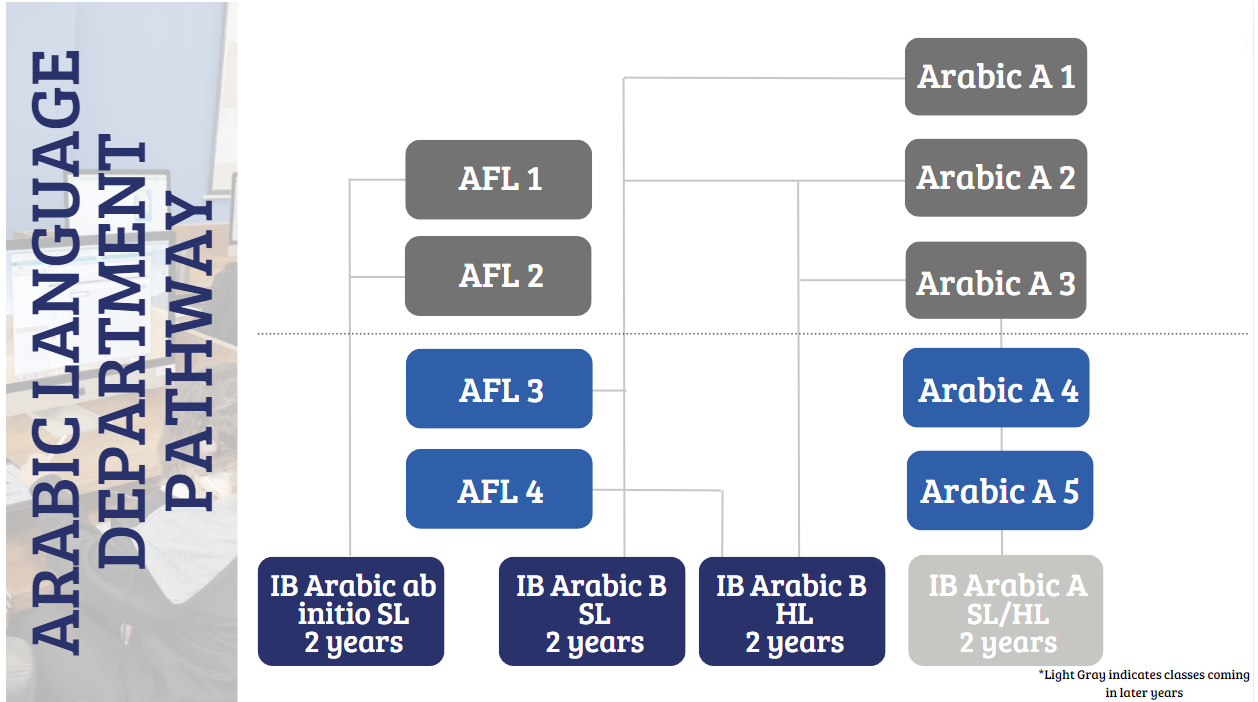
Resources: IBO curriculum

Prerequisite: One year of Social Studies

Course Fee: SR 600 per year

World Languages Department

Arabic



Note for ELL Learners: Scholars at AISJ who are enrolled in ELL (English Language Learner) classes may use ELL as this coursework towards their World Languages diploma requirement.

AFL 1 (ARABIC FOREIGN LANGUAGE 1)

Course Code: 3505

Grades: 7, 8, or 9

Credit: 1.0

This course is designed for non-native Arabic speakers who have not taken any courses in Arabic in Middle School or High School. AFL 1 provides opportunities for scholars to explore and develop their basic Arabic. Scholars learn basic grammar and vocabulary and develop an awareness of Arabic culture. The objective of this class is to converse, read, and write, focusing on listening and speaking.

End of Course Assessment: Standard semester exams

Resources: I Love Arabic Language وأتعلّمها، and an anthology of short stories.

Prerequisite: None (no previous training in Arabic in MS or HS)

AFL 2 (ARABIC FOREIGN LANGUAGE 2)

Course Code: 3506

Grades: 8, 9, or 10

Credit: 1.0

This course is designed for non-native Arabic speakers as a continuation of AFL 1 or one year of AFL in MS or HS. Scholars will use more complex vocabulary and learn to write sentences. They read dialogues and stories from Arab cultures to develop cultural awareness as well as four language skills: reading, writing, listening and speaking.

End of Course Assessment: Standard semester exams

Resources: I Love Arabic Language and Learn It, أَحَبَّ الْعَرَبِيَّةَ وَاتَّعَلَّمَهَا and an anthology of short stories, Ya Hala, I Start Arabic

Prerequisite: AFL 1 in MS or HS or placement test

AFL 3 (ARABIC FOREIGN LANGUAGE 3)

Course Code: 3507

Grades: 9, 10, or 11

Credit: 1.0

This course is designed for non-native Arabic speakers as a continuation of AFL 2 or two years of AFL in MS or HS. It places emphasis on speaking, writing, building grammar skills, and developing vocabulary. Scholars will read and comprehend stories and simple literary works. Cultural experiences will be included in class settings while focusing on listening and speaking.

End of Course Assessment: Standard semester exams

Resources: I Love Arabic Language and Learn it, أَحَبَّ الْعَرَبِيَّةَ وَاتَّعَلَّمَهَا, and an anthology of short stories, Ya Hala, I Start Arabic

Prerequisite: AFL 2 in MS or HS or placement test

AFL 4 (ARABIC FOREIGN LANGUAGE 4)

Course Code: 3508

Grades: 10, 11, or 12

Credit: 1.0

This course is designed for non-native Arabic speakers as a continuation of AFL 3 or three years of AFL in MS or HS. It develops fluency in speaking, writing, grammar skills, and vocabulary. Scholars will read and comprehend stories and simple literary works. Cultural experiences will be included in class settings while focusing on listening and speaking.

End of Course Assessment: Standard semester exams

Resources: I Love Arabic Language and Learn it, أَحَبَّ الْعَرَبِيَّةَ وَاتَّعَلَّمَهَا, and an anthology of short stories, Ya Hala, I Start Arabic

Prerequisite: AFL 3 or placement test

ARABIC A4

Course Code: 3518

Grades: 9-12

Credit: 1.0

Arabic Language A4 follows ISS Standards to develop reading, writing, listening, speaking. The course is designed for native Arabic speakers and provides an opportunity for scholars to explore and develop their language skills in Arabic. Scholars read, analyze, discuss, and listen to various Arabic texts incorporating reading comprehension strategies. In Writing, they follow the writing process to express opinions, write informational, explanatory, and narrative essays. In Speaking, scholars use standard Arabic language (Faseeha) and deliver oral presentations that present events or ideas in a logical sequence, demonstrating an understanding of the topic, as well as understanding basic grammar rules to be able to read, write and speak.

End of Course Assessment: Standard semester exams

Resources: Al-Saheeh Fe Al-Qira'a Wa Al Adab

Prerequisite: Arabic A3 or placement test

ARABIC A5

Course Code: 3519

Grades: 10-12

Credit: 1.0

Arabic Language A5 follows ISS Standards to develop reading, writing, listening, speaking. The course is designed for native Arabic speakers and provides an opportunity for scholars to explore and develop their language skills in Arabic. Scholars read, analyze, discuss, and listen to various Arabic texts incorporating reading comprehension

strategies. In Writing, they follow the writing process to express opinions, write informational, explanatory, and narrative essays. In Speaking, scholars use standard Arabic language (Faseeha) and deliver oral presentations that present events or ideas in a logical sequence, demonstrating an understanding of the topic, as well as understanding basic grammar rules to be able to read, write and speak.

End of Course Assessment: Standard semester exams

Resources: Al-Saheeh Fe Al-Qira'a Wa Al Adab

Prerequisite: Arabic A4 or placement test

ARABIC A6

Course Code:

Grades: 11-12

Credit: 1.0

Arabic Language A6 follows ISS Standards to develop reading, writing, listening, and speaking. The course is designed for native Arabic speakers and allows scholars to explore and develop their language skills in Arabic. Scholars read, analyze, discuss, and listen to various Arabic texts, incorporating reading comprehension strategies.

In writing, they follow the writing process to express opinions and write informational, explanatory, and narrative essays. In speaking, scholars use standard Arabic language (Faseeha) and deliver oral presentations that present events or ideas in a logical sequence, demonstrating an understanding of the topic and basic grammar rules to read, write, and speak.

End of Course Assessment: Standard semester exams

Resources: Al-Saheeh Fe Al-Qira'a Wa Al Adab , Loghate

Prerequisite: Arabic A5 or placement test

IB Courses

IB language courses in Year 1 are subject to availability and interest of full IB Diploma scholars.

IB Arabic ab initio (SL)

Course Code: 3502, 3521

Grades: 11 and 12

Credit: 2.0

Offered at SL only, Arabic ab initio is a language acquisition course designed for scholars with no previous experience in the target language or with very little exposure to it. Arabic ab initio scholars develop their receptive, productive, and interactive skills while learning to communicate in the target language in familiar and unfamiliar contexts. scholars develop the ability to communicate through the study of language, themes, and texts. There are five prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. While the themes are common to both language ab initio and language B, the language ab initio syllabus additionally prescribes four topics for each of the five themes, for a total of 20 topics that must be addressed over the two years of the course.

SL study requires a minimum of 150 class hours.

Course Assessments:

- 2 papers: Paper 1 assesses productive skills through two written tasks—each from a choice of three. Paper 2 assesses receptive skills via two separate sections for listening and reading
- Internal assessment consists of individual oral assessments

Resources: IBO curriculum

Prerequisite: No prior experience in or very limited previous exposure to the target language

Course Fee: SR 600 per year

IB Arabic B (SL/HL)

Course Code: 3522, 3523, 3524, 3525

Grades: 11 and 12

Credit: 2.0

Arabic B SL is a language acquisition course designed for scholars with some previous experience of the target language. scholars further develop their ability to communicate through the study of language, themes, and texts. There are five prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. scholars learn to communicate in the target language in familiar and unfamiliar contexts. The distinction between language B SL and HL can be seen in the level of competency the scholar is expected to develop in receptive, productive, and interactive skills.

Arabic B HL is a language acquisition course designed for scholars with some previous experience of the target language. scholars further develop their ability to communicate through the study of language, themes, and texts. There are five prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. scholars learn to communicate in the target language in familiar and unfamiliar contexts. HL requires the study of two literary works originally written in the target language, and scholars are expected to extend the range and complexity of the language they use and understand in order to communicate. scholars continue to develop their knowledge of vocabulary and grammar, as well as their conceptual understanding of how language works, in order to construct, analyze and evaluate arguments on a variety of topics relating to course content and the target language culture(s).

The course focuses on developing language skills such as reading, writing, listening, and speaking in order to communicate effectively in real-life situations.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class hours.

Course Assessments:

- External assessment: 2 papers: one paper assesses productive skill through a writing task; the second paper assesses receptive skills through separate sections for listening and reading
- HL paper 1 requires more complex language and structures and demands higher-order thinking skills. Additionally HL papers expect a higher word range to accommodate the more complex responses required
- Internal assessment: individual oral assessments. The stimulus for SL is a visual image, while the stimulus for HL is an excerpt from one of the two literary works studied.

Resources: IBO curriculum; Luma Hameed et al., Cambridge IGCSE™ Arabic as a First Language Coursebook, Cambridge University Press

Prerequisite: Some proficiency in non-native Arabic (2-3 years for SL; 3-4 years for HL)

Course Fee: SR 600 per year

IB Arabic A: Language & Literature (SL/HL) (2026-2027)

Course Code: TBD

Grades: 11 and 12

Credit: 2.0

The Arabic A: Language and Literature SL course introduces the critical study and interpretation of written and spoken texts from a wide range of literary forms and non-literary text types. The formal analysis of texts is supplemented by the awareness that meaning is not fixed but can change in respect to contexts of production and consumption. The course allows scholars to explore the language through its cultural development and use, its media forms and functions, and its literature. Scholars study 4 works at standard level (SL) from a representative selection of literary forms, periods, and places.

The Arabic A: Language and Literature HL course introduces the critical study and interpretation of written and spoken texts from a wide range of literary forms and non-literary text types. The formal analysis of texts is supplemented by the awareness that meaning is not fixed but can change in respect to contexts of production and consumption. The course allows scholars to explore the language through its cultural development and use, its media forms and functions, and its literature. Subjects at higher level (HL) are studied in greater depth and breadth than at SL. Scholars study 6 works at SL from a representative selection of literary forms, periods, and places.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class hours.

Course Assessments:

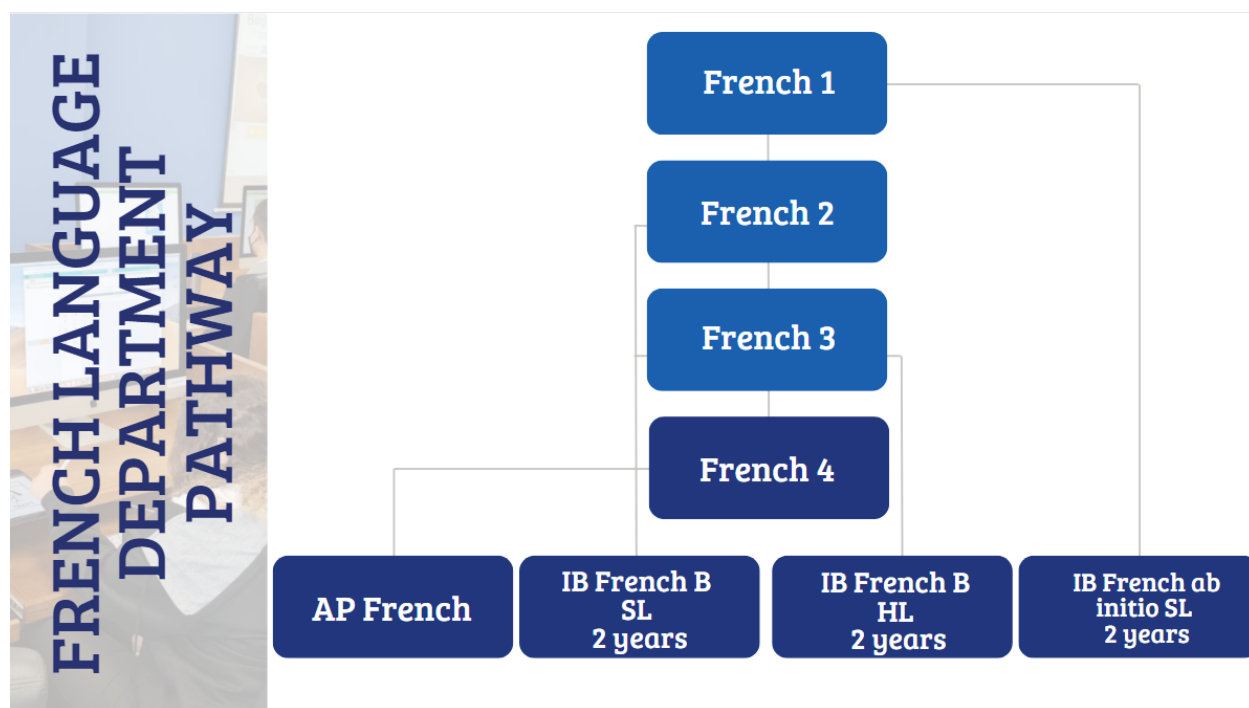
- External assessment: 2 essay papers, one requiring the analysis of unseen literary and non-literary text, and the other a comparative response to a question based on two literary works studied.
- HL scholars comply with an additional written coursework requirement which consists of writing a 1200 - 1500 word essay on one of the works or bodies of work studied.
- Internal assessment: an oral activity presenting their analysis of a literary work and a non-literary body of work studied in the context of a global issue

Resources: IBO curriculum

Prerequisite: Two years of Arabic for native speakers in high school

Course Fee: SR 600 per year

French



FRENCH 1

Course Code: 3512

Grades: 9-11

Credit: 1.0

This course is designed for scholars with little or no prior knowledge of the French language. This first year of French aims to provide the scholar with basic communication skills in French, the ability to read and understand a limited type of text, and the skills to write conversational and narrative compositions simply but effectively. Priority is given to listening and speaking activities, reinforced by reading and writing. Grammar is used in context before being made explicit in grammatical terminology. The course also introduces the scholar to French-speaking countries and their culture.

End of Course Assessment: standard semester exams

Resources: Adomania 1 A1, Hachette: scholar book, activities book, and online practice.

Prerequisite: None

FRENCH 2

Course Code: 3513

Grades: 9-12

Credit: 1.0

The second-year French course expands on each of the four skills of listening, speaking, reading, and writing developed in French I, with a continuing emphasis on using language in interesting, meaningful ways. The second year completes the introduction to the essential grammatical structures and tenses of French as well as to basic vocabulary. The reading program serves to reinforce the structures and vocabulary as well as to develop comprehension skills. The scholars would be able to understand long sentences that consist of a combination of learned elements in a limited number of content areas. The course also aims to familiarize the scholars with aspects of French culture. Resources include videos, magazines, advertisements, short stories, textbooks, and workbooks.

End of Course Assessment: standard semester exams

Resources: Adomania 2A1.A2, Hachette: scholar book, activities book, and online practice.

Prerequisite: French 1 or placement test

FRENCH 3

Course Code: 3514

Grades: 9-12

Credit: 1.0

There is a continued emphasis on oral communication skills, with reading and writing skills becoming more important. Short stories, simple poems, and audio/video material supplement and support the course. Communication skills are also refined through an appropriate novel study. Emphasis is given to vocabulary building through reading authentic French texts and using French as creatively as possible. Cultural experiences will be included in the class setting as frequently as possible. Intermediate grammar is also studied.

End of Course Assessment: standard semester exams

Resources: Adomania 3, A2, Hachette: scholar book, Activities book, and online practice materials + “Le petit prince”, “Le voyage perdu”.

Prerequisite: French 2 or placement test

FRENCH 4

Course Code: 3515

Grades: 9-12

Credit: 1.0

Scholars will master more complex grammatical structures and continue to improve fluency. scholars will explore global issues of importance to French-speaking countries and learn to speak about them with ease. French literature will be used as a vehicle to enhance fluency and cultural knowledge. A wide range of texts is studied to develop a variety of communicative skills. The study of grammar and structure is integrated with the coursework. A variety of teaching methodologies and materials are incorporated including taped conversations, songs, videos, short stories, and internet sources.

End of Course Assessment: standard semester exams

Resources: Adosphere 4 and Adomania 4, B1 et B2 Hachette scholar book, Activities book, and online practice.

Prerequisite: French 3 or placement test

AP Courses

ADVANCED PLACEMENT FRENCH LANGUAGE AND CULTURE

Grades: 10-12

Credit: 1.0

The rigorous, college-level course emphasizes the use of language for active communication and helps scholars develop the ability to understand spoken French in various contexts. It requires a French vocabulary sufficiently ample for reading newspaper and magazine articles, literary texts, and other non-technical writings without dependence on a dictionary. The course will develop scholars' ability to express themselves coherently, resourcefully, and with reasonable fluency and accuracy in both written and spoken French.

End of Course Assessment: AP Exam, first two weeks of May

Resources: Themes, Quand à Moi and Barron's AP French language and culture, AP French Language and Culture All Access By Dr. Eileen M. Angelini, Editors of REA, Dr. Adina C. Alexandru, Dr. Geraldine O'Neill - Reussir le DELF B2, Didier - and online practice materials.

Prerequisite: French 4 or placement test; AP approval

Course Fee: SR 600

IB Courses

IB French ab initio (SL)

Course Code: 3526, 3527

Grades: 11 and 12

Credit: 2.0

Offered at SL only, French ab initio is a language acquisition course designed for scholars with no previous experience in the target language or with very little exposure to it. French ab initio scholars develop their receptive, productive, and interactive skills while learning to communicate in the target language in familiar and unfamiliar contexts. scholars develop the ability to communicate through the study of language, themes, and texts. There are five prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. While the themes are common to both language ab initio and language B, the language ab initio syllabus additionally prescribes four topics for each of the five themes, for a total of 20 topics that must be addressed over the two years of the course.

SL study requires a minimum of 150 class hours.

Course Assessments:

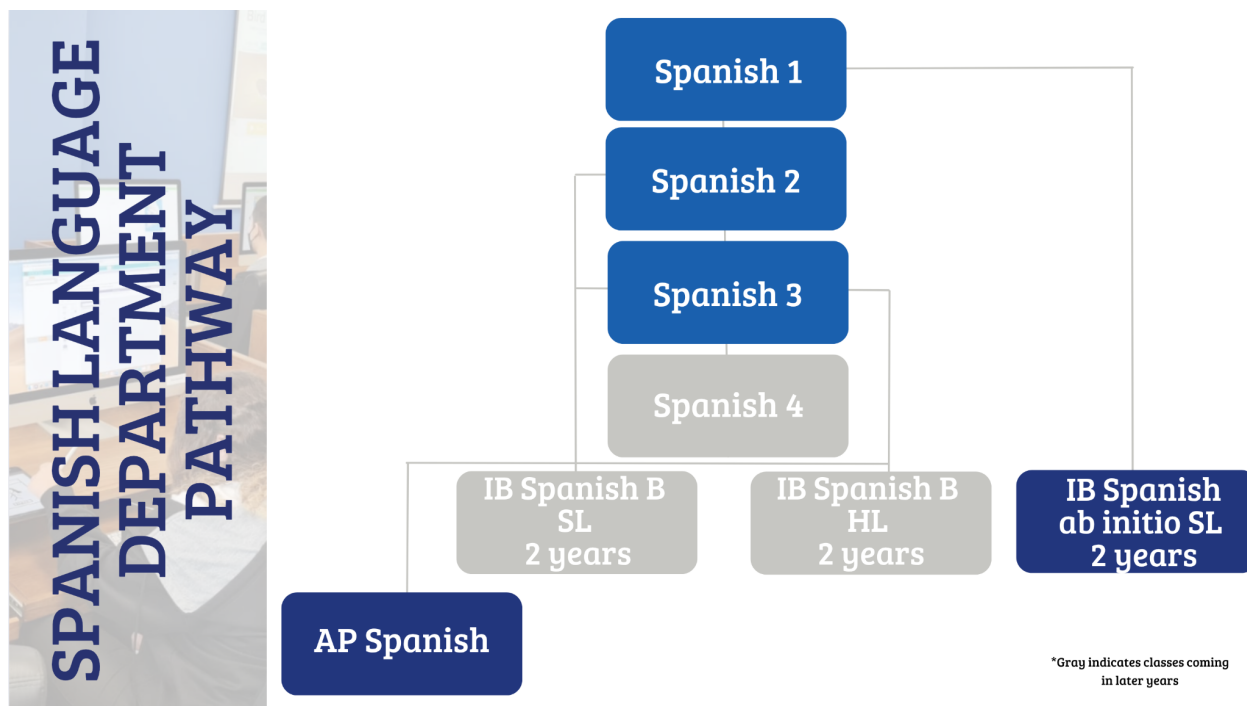
- 2 papers: Paper 1 assesses productive skills through two written tasks—each from a choice of three. Paper 2 assesses receptive skills via two separate sections for listening and reading
- Internal assessment consists of individual oral assessments

Resources: IBO curriculum, Panorama francophone Cambridge University Press (Daniele Bourdais, Sue Finnie), My IB French Ab initio Portfolio: Ronny Mintjens and online resources..

Prerequisite: No prior experience in or very limited previous exposure to the target language

Course Fee: SR 600 per year

Spanish



SPANISH 1

Course Code: 3520

Grades: 9-11

Credit: 1.0

This course is designed for scholars with little or no prior knowledge of the Spanish language. This first year of Spanish aims to provide the scholar with basic communication skills in Spanish, the ability to read and understand a limited type of text, and the skills to write conversational and narrative compositions simply but effectively. Priority is given to listening and speaking activities, reinforced by reading and writing. Grammar is used in context before being made explicit in grammatical terminology. The course also introduces the scholar to French-speaking countries and their culture.

End of Course Assessment: standard semester exams

Resources: Teacher-selected textbooks and online resources

Prerequisite: None

SPANISH 2

Course Code: 3531

Grades: 9-12

Credit: 1.0

This level 2 course helps scholars attain proficiency in an interactive setting by building on the basic Spanish language skills they acquired in level 1. The language is presented within the context of the contemporary Spanish-speaking world and its culture. The primary objective of this course is not only to learn Spanish well enough to be successful when going on to the next level but also to develop an appreciation of the Spanish language and culture for life-long use and enjoyment.

End of Course Assessment: standard semester exams

Resources: Teacher-selected textbooks and online resources

Prerequisite: Spanish 1 or placement test

SPANISH 3

COURSE CODE: 3537

Grades: 9-12

Credit: 1.0

Spanish 3 is the next step for students who have completed Spanish 1 and 2, offering an opportunity to deepen their understanding and expand their ability to communicate confidently in Spanish. This course builds on previously learned concepts by introducing advanced grammar, new verb tenses, and a richer vocabulary to help students express themselves in more complex and meaningful ways. Through activities such as conversations, reading texts, and practicing listening skills, students will improve their listening, speaking, reading, and writing abilities. Practice will focus on improving fluency and accuracy, making Spanish a natural part of their communication. The course also explores the language and culture of the Spanish-speaking world, helping students become more confident and skilled Spanish speakers.

End of Course Assessment: standard semester exams

Resources: "ELE actual A2 libro alumnos" (SM Ediciones), other textbooks, songs, videos, schoology, internet and dictionaries.

Prerequisite: Spanish 2 or placement test

AP Courses

ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE

Course Code: 3516

Grades: 9-12

Credit: 1.0

This course is designed with an in-depth view of the Spanish language. Scholars will form complex sentence structures and sustain lengthy conversations. Communication skills are developed and enhanced. The course will provide an opportunity for scholars to gain insights into Spanish-speaking. Scholars engage in conversation in Spanish to express feelings and ideas and exchange opinions.

End of Course Assessment: AP Exam, first two weeks of May

Resources: AP Spanish Language and culture vista higher learning, Textbooks and resources, songs, videos, shows, internet, and dictionaries.

Prerequisite: Spanish 4 or placement test; AP approval

Course Fee: SR 600

IB Courses

IB Spanish ab initio (SL)

Course Code: 3530

Grades: 11 and 12

Credit: 2.0

Offered at SL only, Spanish ab initio is a language acquisition course designed for scholars with no previous experience in the target language or with very little exposure to it. Spanish ab initio scholars develop their receptive, productive, and interactive skills while learning to communicate in the target language in familiar and unfamiliar contexts. scholars develop the ability to communicate through the study of language, themes, and texts. There are five prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. While the themes are common to both language ab initio and language B, the language ab initio syllabus additionally prescribes four topics for each of the five themes, for a total of 20 topics that must be addressed over the two years of the course.

SL study requires a minimum of 150 class hours.

Course Assessments:

- 2 papers: Paper 1 assesses productive skills through two written tasks—each from a choice of three. Paper 2 assesses receptive skills via two separate sections for listening and reading

- Internal assessment consists of individual oral assessments

Resources: Spanish ab initio J.Rafael Ángel Boost Hodder education

Prerequisite: No prior experience in or very limited previous exposure to the target language

Course Fee: SR 600 per year

IB Spanish B: Language & Literature (SL/HL)

Course Code: 3532, 3533

Grades: 11 and 12

Credit: 2.0

Spanish B SL is a language acquisition course designed for scholars with some previous experience of the target language. scholars further develop their ability to communicate through the study of language, themes, and texts. There are five prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. scholars learn to communicate in the target language in familiar and unfamiliar contexts. The distinction between language B SL and HL can be seen in the level of competency the scholar is expected to develop in receptive, productive, and interactive skills.

Spanish B HL is a language acquisition course designed for scholars with some previous experience of the target language. scholars further develop their ability to communicate through the study of language, themes, and texts. There are five prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. scholars learn to communicate in the target language in familiar and unfamiliar contexts. HL requires the study of two literary works originally written in the target language, and scholars are expected to extend the range and complexity of the language they use and understand in order to communicate. scholars continue to develop their knowledge of vocabulary and grammar, as well as their conceptual understanding of how language works, in order to construct, analyze and evaluate arguments on a variety of topics relating to course content and the target language culture(s).

The course focuses on developing language skills such as reading, writing, listening, and speaking in order to communicate effectively in real-life situations.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class hours.

Course Assessments:

- External assessment: 2 papers: one paper assesses productive skill through a writing task; the second paper assesses receptive skills through separate sections for listening and reading
- HL paper 1 requires more complex language and structures and demands higher-order thinking skills. Additionally HL papers expect a higher word range to accommodate the more complex responses required
- Internal assessment: individual oral assessments. The stimulus for SL is a visual image, while the stimulus for HL is an excerpt from one of the two literary works studied.

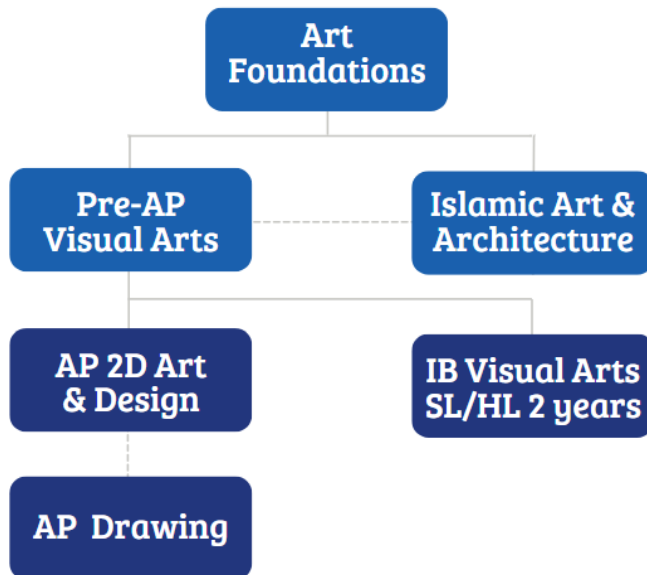
Resources: IBO curriculum, Spanish B

Prerequisite: Some proficiency in non-native Spanish (2-3 years for SL; 3-4 years for HL)

Course Fee: SR 600 per year

Fine/Performing/Practical Arts

Visual Art



ART FOUNDATIONS

Course Code: 3603

Grades: 9-10

Credit: 1.0

This course is a basic introduction to the visual arts. Through hands-on and visual projects, scholars explore the vocabulary of 2D design and begin to create and recognize strong visual statements. Scholars also explore technical, aesthetic, and conceptual skills in a variety of media. Scholars are expected to explore art techniques and develop technical skills. They reinforce their understanding of the Elements of Art and Principles of design through classroom assignments and studio projects in a variety of media. Light, shade, line quality composition, surface manipulation, and the illusion of depth are issues expressed through a variety of means including pencils, painting, and mixed media. The body of artwork is organized in a portfolio, as well as an exhibit.

End of Course Assessment: Project

Prerequisite: None

Course Fee: SR 400

ISLAMIC ART, ARCHITECTURE & INTERIOR DESIGN

Course Code: 3602

Grades: 9-12

Credit: 1.0

Scholars explore the elements, principles, and applications of design. They work with different mediums and develop 3D building models. Emphasis is given to individuals, ideas within their cultural, political, and artistic contexts. The studio work aims to engage scholars in all aspects of conceptual design, from analysis, planning to the formal integration of structural, functional, and aesthetic aspects of the 3D building model.

In the first semester, scholars explore Islamic art and architecture from the rise of Islam in the seventh century to the Ottoman Empire, considering cross-cultural influences between civilizations. Topics include mosaic-making, arabesque, geometry and miniatures. Scholars recognize the shapes and aesthetic characteristics of each region and period of the Islamic Arts, and the ability to identify their common features as they interact with other cultural expressions. In the second semester, under the umbrella of Interior design, the course examines technical interior drawings like plans and elevations as well as building a scaled model of a mosque.

End of Course Assessment: Project

Prerequisite: Art Foundations

Course Fee: SR 400

Pre-AP VISUAL ARTS

Course Code: 3613

Grades: 10-12

Credit: 1.0

This course continues an exploration of aesthetic and critical thinking through the utilization of an extensive range of materials and experimental techniques. Scholars investigate the expression and representation of the Elements of Art and Principles of Design. To begin the process of developing a personal vision, scholars are expected to work regularly outside class on studio assignments and are encouraged to take advantage of extra open-studio sessions. Heavy emphasis is placed on direct observation, interpretation, exploration of personal insights, and reflections on the human experience. Scholars develop a better understanding of the relationship between Principles of Design and Composition as they explore art styles within the context of art history, art appreciation, and aesthetics. Creative thinking and problem-solving lead to portfolio-quality artwork. The course emphasizes creation based on observation and applied color theory in the context of experimentation.

End of Course Assessment: Pre-AP Exam

Prerequisite: Art Foundations or portfolio

Course Fee: SR 400

AP Courses

ADVANCED PLACEMENT 2-D Art and Design

Course Code: 3600

Grades: 10-12

Credit: 1.0

This is an advanced, accelerated, studio-focused, college-level art class for scholars who want to refine their technical skills and clarify an artistic direction with intent. The year-long class is a combination of prescribed and self-directed study based on the guidelines set forth by the National Advanced Placement College Board (AP). Through the utilization of an extensive range of 2-D materials, photography, and techniques, scholars will develop personal visual expression and will produce a body of 15-20 works that can be applied to the AP portfolios. Scholars are expected to work daily outside of class on studio projects and are encouraged to take advantage of open studio sessions. Scholar production of a digital portfolio that demonstrates their ability to practice, experiment and revise their own work while communicating ideas about art and design is mandatory. Submission of the AP portfolio constitutes this course's final exam.

You will learn:

- Investigating the materials, processes and ideas that artists and designers use.
- Communicating your ideas about works of art and design.
- Practicing, experimenting and revising as you create your own work.

In AP Drawing you can use the following mediums:

- Graphic Design
- Digital Imaging
- Photography
- Collage
- Fabric design
- Weaving
- Fashion design
- Painting
- Printmaking

Sustained Investigation Inquiry is a required part of the course where scholars will have their artworks based on

things they have to think about and research. They will start by coming up with a question that they can investigate, something they do not already know.

End of Course Assessment: Advanced Placement Studio Art-AP Portfolio in May.

Prerequisite: Pre-AP Visual Arts or portfolio; AP approval

Course Fee: SR 600

ADVANCED PLACEMENT DRAWING

Course Code: 3614

Grades: 11-12

Credit: 1.0

This is an advanced, accelerated, studio-focused, college-level art class for scholars who want to refine their technical skills and clarify an artistic direction with intent. This course is a combination of prescribed and self-directed study based on the guidelines set forth by the National Advanced Placement College Board (AP). Through experimentation with a variety of materials and processes, scholars will develop their drawing skills. Scholars are required to produce a body of 15-20 works that follow an inquiry that they develop. At the end of the course, they will submit a digital portfolio that demonstrates the different drawing abilities taught in the course, which include mark-making, line, surface, light and shadow and composition. The culmination of this course is submitting the Advanced Placement Studio Art-AP Portfolio in May.

You will learn:

- Investigating the materials, processes and ideas that artists use.
- Communicating your ideas about works of art.
- Practicing, experimenting and revising as you create your own work.

In AP Drawing you can use the following mediums:

- Drawing (Analog or Digital)
- Painting
- Printmaking
- Mixed media work

Sustained Investigation Inquiry is a required part of the course where scholars will have their artworks based on things they have to think about and research. They will start by coming up with a question that they can investigate, something they do not already know.

End of Course Assessment: AP Exam, first two weeks of May

Prerequisite: Pre-AP Visual Arts or portfolio; AP approval

Course Fee: SR 600

IB Courses

IB Visual Arts (SL/HL)

Course Code: 3615, 3616, 3617, 3618

Grades: 11 and 12

Credit: 2.0

IB Visual Arts SL is a course that encourages scholars to challenge their own creative and cultural expectations and boundaries. In addition to exploring and comparing visual arts from different perspectives and in different contexts, scholars are expected to engage in, experiment with, and critically reflect upon a wide range of contemporary practices and media. The course is designed for scholars who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. Scholars develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. They are empowered to become autonomous, informed and skilled visual artists.

IB Visual Arts HL is a course that encourages scholars to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which scholars develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, scholars are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for scholars who want to go on to further study of visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. The role of visual arts teachers is to actively and carefully organize learning experiences for the scholars, directing their study to enable them to reach their potential and satisfy the demands of

the course. scholars are empowered to become autonomous, informed and skilled visual artists.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class

Course Assessments:

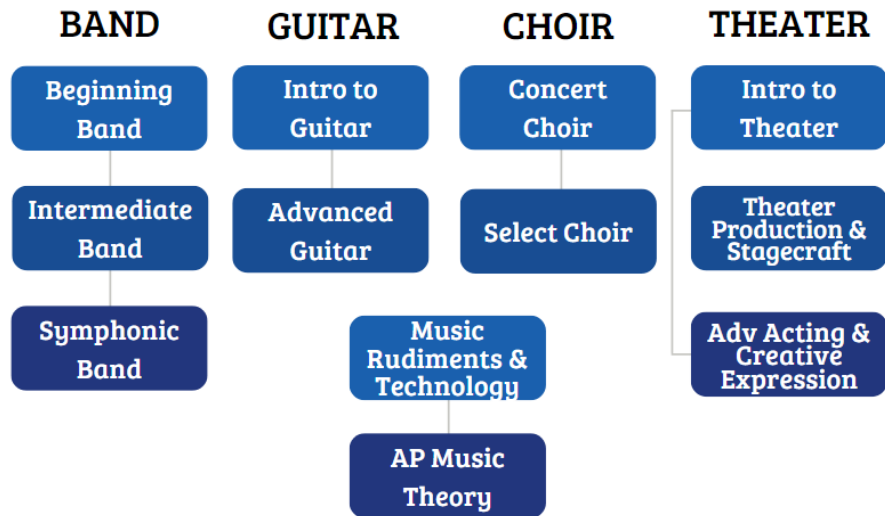
- A comparative study: 10–15 screens which examine and compare at least 3 artworks, at least 2 of which should be by different artists. The work selected for comparison and analysis should come from contrasting contexts (local, national, international and/or intercultural) HL assessment includes 3–5 screens which analyze the extent to which the scholar's work and practices have been influenced by the art and artists examined, as well as a list of sources used
- A process portfolio: 9–18 screens which evidence the scholar's sustained experimentation, exploration, manipulation and refinement of a variety of art-making activities. For SL scholars the submitted work must be in at least two art-making forms, each from separate columns of the art-making forms table. HL assessment requires the total of 13-25 screens which evidence their sustained experimentations, exploration, manipulation and refinement of a variety of art-making activities. For HL scholars the submitted work must have been created in at least three art-making forms, selected from a minimum of two columns of the art-making forms table.
- Internal assessment for the SL course is an exhibition of 4-7 artworks, a curatorial rationale (400 words), and an exhibition text for each artwork. HL internal assessment is based on more artworks (8-11 total), a longer curatorial rationale (700 words) and an exhibition text for each artwork.

Resources: IBO curriculum; Jayson Paterson and Simon Polly, IB Visual Arts Course Companion (Print and Online Course Book Pack), Oxford University Press

Prerequisite: Pre-AP Visual Arts or portfolio

Course Fee: SR 600 per year

Performing Arts



Theater Courses (25-26)

Music

BEGINNING BAND

Course Code: 3606

Grades: 9-12

Credit: 1.0

This instrumental music course involves group instruction for scholars who want to learn how to play a band instrument. No previous musical experience is required. Instruction will be offered on the following instruments: flute, clarinet, saxophone, trumpet, trombone, baritone, and percussion. In addition to performing, scholars will be exposed to the basics of music theory and history. Scholars will gain mastery of their particular instrument of study while learning the basics of what it is to be part of a concert band. Participation in public performances that occur outside of class time is mandatory and part of the class grade. Joining class is a full-year commitment. There will be an instrument rental fee charged for instruments provided by the school. No previous musical experience is required.

End of Course Assessment: Project

Resources: Beginning Concert Band Standards of Excellence Bk. 1 & level-appropriate concert pieces.

Prerequisite: None

Course Fee: SR 400

INTERMEDIATE BAND

Course Code: 3607

Grades: 9-12

Credit: 1.0

This instrumental music course provides group instruction for scholars who can demonstrate mastery of an instrument equivalent to one year. Instruction will be offered on the following instruments: flute, oboe, clarinet, saxophone, bassoon, trumpet, french horn, trombone, euphonium, tuba, and percussion. scholars will perform music representing a variety of musical styles, time periods, and world cultures. In addition to performing, scholars will be exposed to the basics of music theory and history. Class and public performances that occur outside of class time are mandatory and part of the class grade. Joining class is a full-year commitment. There will be an instrument rental fee charged for instruments provided by the school.

End of Course Assessment: Project

Prerequisite: Beginning Band or playing ability equivalent to one year of instruction and scholar interest.

Course Fee: SR 400

SYMPHONIC BAND

Course Code: 3621

Grades: 9-12

Credit: 1.0

Joining this class is a year-long commitment. This course is designed for scholars who have had experience for 2 or more years with instrumental music. This course provides opportunities to develop a more mature tone quality using advanced techniques. Symphonic band is a performance-based class, so a variety of music is performed throughout the year, and active participation in scheduled concerts is required.

End of Course Assessment: Project

Prerequisite: Scholars should be able to read music, 2 years experience or skill level.

Course Fee: SR 400

INTRODUCTION to GUITAR

Course Code: 3608

Grades: 9-12

Credit: 1.0

This course is designed for scholars with little or no experience playing the guitar. scholars learn basic skills around chords, strumming, fingerpicking, single note reading, bar-chords, and improvisation. The course also exposes scholars to a variety of musical genres and the history of influential guitar music from the early 20th century to the present. By the end of the course, scholars will have the foundational knowledge and skills necessary to take their abilities further on their own using online tools and resources. Playing the guitar is an amazing skill to take with you for the rest of your life.

End of Course Assessment: Project

Prerequisite: None

ADVANCED GUITAR

Course Code: 3609

Grades: 9-12

Credit: 1.0

This course will explore advanced chords and strumming techniques, finger picking, tab reading, lead guitar lines, and improvisation. The course will include important elements of music theory that will empower stronger, more versatile musicians. Many musical genres and styles will be included. scholars will finish the course with a very solid set of skills and understandings to build upon and take with them for the rest of their lives. All scholars enrolled in this course must have successfully completed the Intro to Guitar course at AISJ or have completed a successful audition with the instructor prior to enrollment.

End of Course Assessment: Project

Prerequisite: Intro to Guitar or skill level

CONCERT CHOIR

Course Code: 3604

Grades: 9-12

Credit: 1.0

In this course, scholars study and sing a variety of styles of music. Musical skills develop through daily singing, vocal blending, reading, and listening. The foundations of vocal technique and applied music theory are the core of this course. Concert Choir is a performance-based class, so active participation in concerts is required.

End of Course Assessment: Project

Prerequisite: None

SELECT CHOIR

Course Code: 3605

Grades: 9-12

Credit: 1.0

This is a full-year course designed to provide an atmosphere of the enjoyment, appreciation, and performance of all types of choral music. Select Choir is AISJ's most advanced choir in which instruction and improvement of voice quality, intonation, ability to read music, ability to sight-sing, and the overall development of musicianship are stressed in conjunction with the learning of each piece of music. The choir performs at various venues, including the AISJ Winter and Spring Concerts, graduation ceremonies and other special events. Attendance at these performances and dress rehearsals is a course requirement. Choir members receive individualized instruction in sectional lessons in addition to regular choir rehearsals. After the completion of Select Choir all scholars will have had instruction, practice, and performance utilizing all of the elements of study outlined here. The successful completion of all the activities will provide the scholar with a detailed view of the foundations of performance and study in choral singing. Vocal skill is a prerequisite for this course and auditions will be held by the choir director in order to uphold the high standards of the choir.

End of Course Assessment: Project

Prerequisite: By audition only

MUSIC RUDIMENTS & TECHNOLOGY

Course Code: 3620

Grades: 9-10

Credit: 1.0

Music Rudiments and Music Technology is a year long, introductory music course that covers not only basic theory fundamentals but also introductory musicianship. Throughout the year, scholars will develop the ability to analyze and experiment with music, create their own melodic ideas, learn and experiment with scales then create new scales, investigate arranging and sampling, and collaboratively create and perform arranged and original music. scholars will understand basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are also emphasized. Interspersed through the year, scholars will use the knowledge gained in each unit and explore various avenues of technology in music.

End of Course Assessment: Project

Prerequisite: Scholar interest

Course Fee: SR 200

AP Courses

AP MUSIC THEORY

Course Code: 3601

Grades: 10-12

Credit: 1.0

This AP Music Theory course is similar to one or two semesters of a typical introductory college music theory course that covers topics such as musicianship, theory, musical materials, and procedures. Musicianship skills, including dictation and other listening skills, sight-singing, and harmony, are considered an important part of the course. Through the course, scholars develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. The development of aural skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. scholars understand basic

concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are also emphasized.

End of Course Assessment: AP Exam, first two weeks of May

Prerequisite: Music Rudiments & Technology or proficiency in music theory

Course Fee: SR 600

Theater

INTRODUCTION to THEATER (2026-27)

Course Code: 3610

Grades: 9-12

Credit: 1.0

This course allows scholars to build confidence in their communication skills and learn to express themselves creatively in a theater setting. scholars are introduced to acting basics such as improvisation, pantomime, stage directions, and using dramatic voice. Scholars perform group and individual projects mastering skills of character development, collaboration, and performance production.

End of Course Assessment: Project

Resources: Online resources such as video, scripts, and monologue websites.

Prerequisite: None

Course Fee: SR 300

THEATER PRODUCTION & STAGECRAFT (2026-27)

Course Code: 3611

Grades: 10-12

Credit: 1.0

Scholars are introduced to the non-acting, production aspects of theater. Scholars explore theatrical stagecraft, sound, lighting, and other design elements. This project-based class teaches scholars to manage, train, and lead production teams.

End of Course Assessment: Project

Resources: construction materials, power tools, lighting console, soundboard.

Prerequisite: None

Course Fee: SR 500

ADVANCED ACTING & CREATIVE EXPRESSION (2026-27)

Course Code: 3612

Grades: 10-12

Credit: 1.0

This course engages high-level acting and introduces scholars to physical and devised theater. Scholars collaborate on creating a devised theater piece focused on movement. scholars also have opportunities to explore their personal passions in the performing arts, such as acting, dancing, and musical theater. The course culminates in scholar performances of their creations.

End of Course Assessment: Project

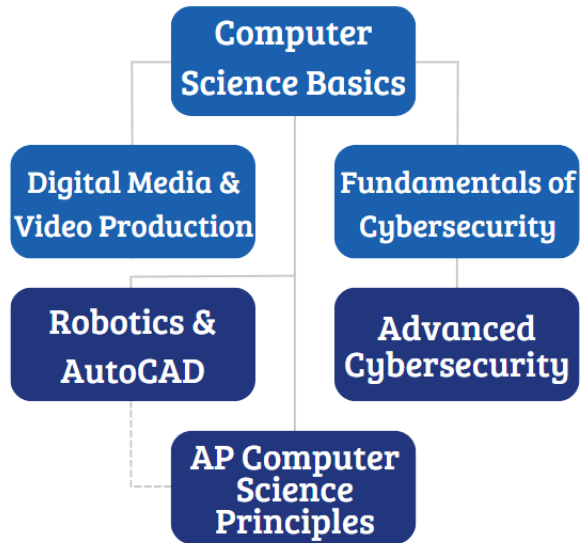
Resources: Devised work, self-penned & collaborative scripts

Prerequisite: Introduction to Theater or audition

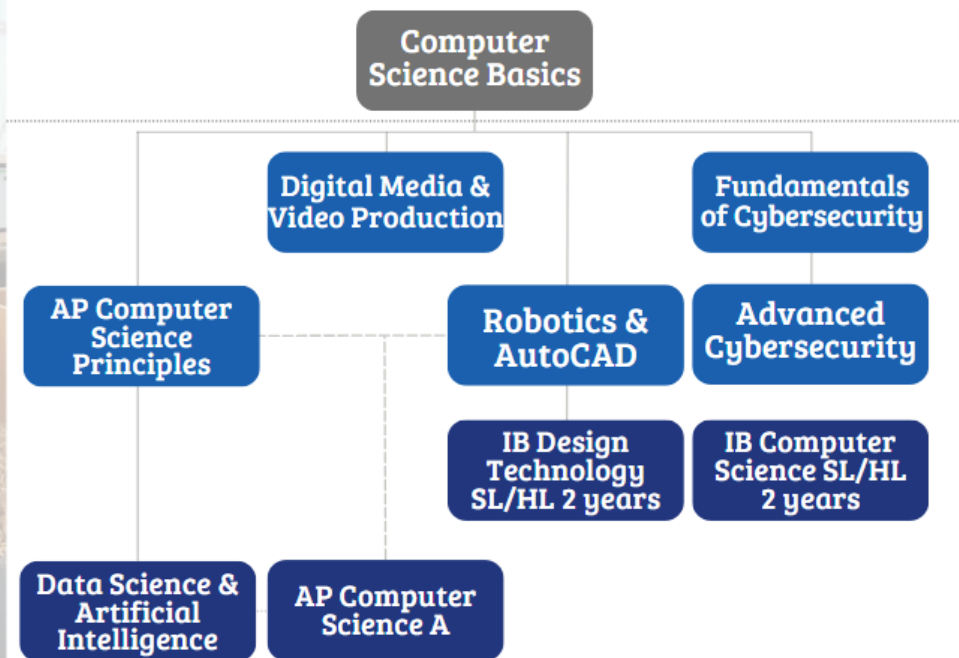
Course Fee: SR 500

Computer Science / Information Technology

STANDARD COMPUTER SCIENCE DEPARTMENT PATHWAY



ADVANCED COMPUTER SCIENCE PATHWAY



COMPUTER SCIENCE BASICS

Course Code: 3704

Grades: grade 8 or 9

Credit: 1.0

Semester 1: CS Basics

This is an introductory course in computers and technology. In the first term, scholars study the fundamentals of networking, hardware, software, troubleshooting, history of technology, and educational media. Significant time is allocated for the study of GSuite applications such as Docs, Sheets, Slides, Drawing, and Forms, as well as MS Office applications such as Word, Excel, PowerPoint, and Access. scholars are introduced to programming through block coding platforms as well as coding using a high-level general-purpose programming language.

Semester 2: Introduction to Digital Media

In the second term, scholars spend time learning about several forms of digital media and use the appropriate accompanying application from the Adobe CC Suite for graphic design, video editing, web development, photography, animation, and audio manipulation. In addition, scholars are introduced to immersive media (AR/VR).

End of Course Assessment: Project

Resources: School computer labs are fully equipped, but scholars can bring their own devices.

Prerequisite: None

DIGITAL MEDIA & VIDEO PRODUCTION / DESIGN

Course Code: 3716

Grades: 9-10

Credit: 1.0

Semester 1: Digital Media

Scholars use the Adobe CC Suite to explore several advanced forms of digital media, such as advanced graphic design, video editing, web development, photography, animation, and audio manipulation. In addition, scholars are exposed to 3D design and animation in Blender and immersive media (AR/VR) using Oculus. Additional practice with digital hardware (Wacom tablets, 3D printers, laser cutters) increases scholars' exposure to real-life implementations of digital creations.

Semester 2: Video Production and Design

Video Production and Design develops the understanding of types of shots and the fundamentals of video composition, through the design process and the creation of original films. Topics include storyboarding, scriptwriting, animation, and special effects. scholars develop the skills necessary to film and edit video footage to produce film shorts; they also work as a crew to film and broadcast live events.

End of Course Assessment: Project

Resources: School computers or personal devices; Oculus Rift S VR sets, Wacom tablets, 3D printers, laser cutter.

Prerequisite: Computer Science Basics or demonstration of skill

ROBOTICS and AUTOCAD

Course Code: 3708

Grades: 10-12

Credit: 1.0

Semester 1: Robotics

This STEM-based class is an in-depth investigation of building and programming robots using the VEX Robotics System. scholars learn construction and programming with the VEX system's motors, touch, light, and ultrasonic sensors. Scholars also build a wide variety of robots and program them with a computer to move, react, and make sounds in order to solve challenges. scholars work in pairs and small teams, sharing a VEX robotics kit and computer. This class is good preparation for scholars interested in robotics, engineering, and computer programming. The course culminates with scholars developing their own team projects and presenting those to the school.

Semester 2: AutoCAD

This fundamentals course is designed for the beginning AutoCAD user. The course covers most 2D AutoCAD commands with instruction in the basic use of AutoCAD, a drafting software program. scholars begin to explore mechanical drawing, architectural drawing, and assembly and detail drawings. The class also explores the use of AutoDesk 3D Max, which is a comprehensive 3D modeling, animation, and rendering solution used by architects,

designers, civil engineers, and visualization specialists.

End of Course Assessment: Project

Resources: VEX Robotics System.

Prerequisite: Computer Science Basics or demonstration of skill

Course Fee: SR 300

FUNDAMENTALS of CYBERSECURITY

Course Code: 3706

Grades: 10-12

Credit: 1.0

This comprehensive cybersecurity course is designed for scholars with an interest in the cybersecurity field. It is the first course in the cybersecurity pathway and will prepare scholars for an advanced cybersecurity course and/or cybersecurity certification(s). In Fundamentals of Cybersecurity, scholars learn cybersecurity topics including digital citizenship and cyber hygiene, software security, networking fundamentals, system administration, and the basics of cryptography and programming, all through the CodeHS web-based platform. The entirely web-based curriculum is made up of a series of learning modules that cover the fundamentals of cybersecurity. Each module is made up of short video tutorials, example programs, quizzes, simulations, programming exercises, and free-response prompts. This is not a coding-intensive course, but scholars learn basic SQL and JavaScript and utilize basic HTML and JavaScript within specific contexts while being provided with support within those contexts.

End of Course Assessment: Project

Resources: [Fundamentals of Cybersecurity Syllabus](#)

Prerequisite: Computer Science Basics

Course Fee: SR 400

ADVANCED CYBERSECURITY

Course Code: 3714

Grades: 11-12

Credit: 1.0

The CodeHS Advanced Cybersecurity course is the capstone course of the cybersecurity pathway. Scholars learn advanced topics in the field of cybersecurity, including advanced cryptography, networking, risk assessment, and cyber defense. Many agree that cybersecurity is “the next big thing” in K-12 computer science education. As technology expands and the number of connected devices grows, so does the need for security and network experts. With over 300,000 job openings in the field, scholars can expect to learn real-world applications of network and security concepts that will open up a world of opportunities.

End of Course Assessment: Project

Resources: [Advanced Cybersecurity Syllabus](#)

Prerequisite: Fundamentals of Cybersecurity

Course Fee: SR 400

DATA SCIENCE & ARTIFICIAL INTELLIGENCE

Course Code: 3715

Grades: 11-12

Credit: 1.0

Semester 1: Data Science

Industries of all types are hiring data scientists to analyze and highlight the hidden patterns in data. This course equips students with the essential skills of a data scientist which include data collection, cleanup, transformation, analysis, and visualization. Students will write algorithms, tell data stories, and build statistical models using Python libraries. They will use the same tools that data scientists use to draw meaningful insights and solve organizational problems.

Semester 2: Introduction to Artificial Intelligence

This course teaches students important programming concepts that enable the use of Artificial Intelligence in computer science and society at large. Students will learn how to incorporate basic Artificial Intelligence algorithms in their own work, and consider the social and ethical implications of how Artificial Intelligence is used, and how it plans to be used. Students will develop a series of projects that illustrate

the variety of ways Artificial Intelligence can be used to optimize and predict information and processes.

End of Course Assessment: Project

Resources: [Data Science with Python Syllabus](#) + [Introduction to Artificial Intelligence](#)

Prerequisite: AP CSP with a passing exam score; AP CSA recommended

Course Fee: SR 400

AP Courses

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES

Course Code: 3700

Grades: 9-12

Credit: 1.0

[AP Computer Science Principles](#) is an introductory college-level computing course. CSP introduces scholars to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. The AP Program designed AP Computer Science Principles with the goal of creating leaders in computer science fields and attracting and engaging those who are traditionally underrepresented with essential computing tools and multidisciplinary opportunities. The course underscores the importance of communicating solutions appropriately and in ways that are relevant to current societal needs. Scholars cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing.

End of Course Assessment: AP Exam, first two weeks of May

Prerequisite: Computer Science Basics; Algebra 2 or concurrent enrollment; Robotics recommended; AP approval

Course Fee: SR 600

ADVANCED PLACEMENT COMPUTER SCIENCE A

Course Code: 3701

Grades: 10-12

Credit: 1.0

[AP Computer Science A](#) introduces scholars to computer science through object-oriented programming and design using the Java programming language. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems.

End of Course Assessment: AP Exam, first two weeks of May

Prerequisite: Computer Science Basics and Algebra 2; AP CSP and Robotics highly recommended; concurrent enrollment in AP Calculus AB highly recommended; AP approval

Course Fee: SR 600

IB Courses

IB Computer Science (SL/HL) (For IB DP - counts as a Science course)

Course Code: 3702, 3703, 3709, 3710

Grades: 11 and 12

Credit: 2.0

The IB DP Computer Science SL course requires an understanding of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. The course, underpinned by conceptual thinking, draws on a wide spectrum of knowledge, and enables and empowers innovation, exploration and the acquisition of further knowledge. scholars study how computer science interacts with and influences cultures, society and how individuals and societies behave, and the ethical issues involved. During the course the scholar will develop computational solutions. Curriculum components include system fundamentals, computer organization, networks, computational thinking, problem solving, and programming. scholars engage in the practical application of skills through the development of a product and associated documentation.

The IB DP Computer Science HL course requires an understanding of the fundamental concepts of computational

thinking as well as knowledge of how computers and other digital devices operate. The course, underpinned by conceptual thinking, draws on a wide spectrum of knowledge, and enables and empowers innovation, exploration and the acquisition of further knowledge. scholars study how computer science interacts with and influences cultures, society and how individuals and societies behave, and the ethical issues involved. During the course the scholar will develop computational solutions. In addition to the SL curriculum components, HL components include abstract data structures, resource management, control. Some additional subject content is introduced by the annually issued case study.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class

Course Assessments:

- 2 papers: Paper 1 includes short answer and structured questions; paper 2 gives between two and four compulsory questions.
- HL assessment induces more compulsory questions and a third paper based on a pre-seen case study
- Internal assessment consists of a report of the development of a computational solution (2,000 words) and a group project

Resources: IBO curriculum; Markos Hatzitaskos and Kostas Dimitriou, Advanced Computer Science: For the IB Diploma Program, Express Publishing

Prerequisite: Pre-AP Algebra 2 and at least one Advanced Computer Science course

Course Fee: SR 600 per year

IB Design Technology (SL/HL) (For IB DP - counts as a Science course)

Course Code: 3326, 3327, 3712, 3713

Grades: 11 and 12

Credit: 2.0

The IB DP Design Technology SL course aims to develop internationally minded people whose enhanced understanding of design and the technological world can facilitate our shared guardianship of the planet and create a better world. Inquiry and problem-solving are at the heart of the subject. DP design technology requires the use of the design cycle as a tool, which provides the methodology used to structure the inquiry and analysis of problems, the development of feasible solutions, and the testing and evaluation of the solution. A solution can be defined as a model, prototype, product or system that scholars have developed independently. DP design technology achieves a high level of design literacy by enabling scholars to develop critical-thinking and design skills, which they can apply in a practical context. While designing may take various forms, it will involve the selective application of knowledge within an ethical framework. Curriculum components include human factors and ergonomics, resource management and sustainable production, modeling, raw material to final product, innovation and design, and classic design. Practical work results in a design project, a group project, and teacher-directed activities.

The DP IB Design Technology HL course aims to develop internationally minded people whose enhanced understanding of design and the technological world can facilitate our shared guardianship of the planet and create a better world. Inquiry and problem-solving are at the heart of the subject. DP design technology requires the use of the design cycle as a tool, which provides the methodology used to structure the inquiry and analysis of problems, the development of feasible solutions, and the testing and evaluation of the solution. A solution can be defined as a model, prototype, product or system that scholars have developed independently. DP design technology achieves a high level of design literacy by enabling scholars to develop critical-thinking and design skills, which they can apply in a practical context. While designing may take various forms, it will involve the selective application of knowledge within an ethical framework. In addition to the SL curriculum components and practical work projects, HL curriculum components include user-centered design, sustainability, innovation and markets, and commercial production.

HL study requires a minimum of 240 class hours, while SL study requires a minimum of 150 class

Course Assessments:

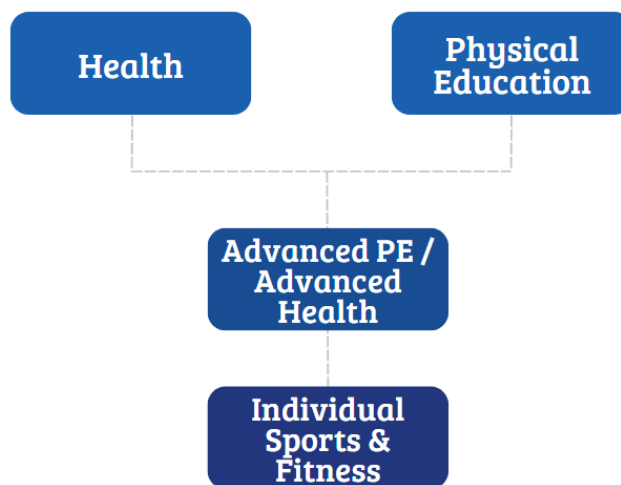
- 2 papers with multiple-choice, data-based, short answer, and extended response questions.
- HL assessment includes one more paper with structured questions on HL extension material.
- Internal assessment consists of an individual design project

Resources: IBO curriculum; Oliver Kim, Information Technology in a Global Society, IBID Press

Prerequisite: Robotics & AutoCAD

Course Fee: SR 600 per year

Physical Education & Health



PHYSICAL EDUCATION (PE)

Course Code: 3800

Grades: 10

Credit: 0.5 - 1.0

This course is open to all scholars, and registration priority is given to scholars who must take it to meet graduation requirements. scholars learn basic skills and tactical awareness in a variety of fitness-related activities. scholars maintain and improve their personal fitness levels throughout the course. Participation, fair play, and teamwork are stressed in all units.

End of Course Assessment: None

Resources: School facilities

Prerequisite: None

HEALTH

Course Code: 3802

Grades: 9-10

Credit: 0.5

This class is required for graduation and cannot be repeated for credit. Scholars are introduced to a variety of current health issues including nutrition and diet, body systems, alcohol, tobacco, drugs, STDs, and AIDS. This class focuses on developing a healthy lifestyle and encourages scholars to choose responsible, healthy behaviors in order to improve and safeguard their health in the future.

End of Course Assessment: Digital well-being

Resources: Health: Skills for Wellness, Prentice Hall

Prerequisite: None

ADVANCED PHYSICAL EDUCATION and ADVANCED HEALTH

Course Code 3801, 3803

Grades: 11-12

Credit: 1.0

Advanced Physical Education

Advanced Physical Education provides learning opportunities for scholars to develop skills and knowledge related to fitness, physical literacy, cognitive understanding, and positive attitudes about physical activity that promote a healthy and physically active lifestyle. scholars acquire knowledge and skills in recreational, athletic, and lifetime activities. The emphasis is on active participation, fair play, and teamwork. For units done in general physical education, advanced skills will be assessed; many of the units will differ from the general physical education course.

Advanced Health

After completion of Health 303, Prentice Hall book and practical based learning in class will be used for 11th and 12th-grade scholars to better prepare them for university, teaching scholars practical skills for daily living. In the process of transitioning from childhood to adulthood, high school scholars need training in practices such as nutrition, financial responsibility, home management and child development so they can lead safe and productive lives.

End of Course Assessment: Health - semester exam

Resources: Health: Skills for Wellness, Prentice Hall

Prerequisite: PE/Health of equivalent

INDIVIDUAL SPORTS AND FITNESS

Course Code: 3804

Grades: 11-12

Credit: 1.0

The primary aspects of this course will be swimming, running, and cycling, which ultimately will lead to participation in a local triathlon in Jeddah. Outside of this, an emphasis on individual fitness that will last beyond high school years. Examples of individual sports that could be included: badminton, squash, tennis, table tennis, etc.

End of Course Assessment: Final project

Resources: School facilities

Prerequisite: Physical Education and Health

Scholar Support Services

ENGLISH LANGUAGE LEARNING

Course Code: 3940

Grade: 9-12

Credit: 1.0

This course is designed to meet the WIDA standards of second language acquisition, as well as helping scholars with the language needs in the different classes taught by using a variety of ELL strategies. The focus of the ELL course is to develop reading, writing and listening proficiency through the study of a variety of texts and related materials based on the scholars' WIDA level of English language proficiency. scholars will be explicitly taught reading and writing strategies as well as focusing on increasing vocabulary acquisition and an understanding of the English grammar.

scholars progress through various levels (WIDA standard levels) as they attain the necessary English language proficiency for academic success in the general education program. The ELL teacher is also available for helping scholars in the core subjects that require the use of English language.

End of Course Assessment: Project

Resources: Edge Fundamentals scholar ed. (by Alfred W. Tatum) – Vocabulary Workshop (Orange, Sadlier- Oxford)

Prerequisite: ELL screening Levels 1 (Entering) - 2 (Developing) - 3 (Expanding)

Fee: See Business Office

LEARNING SUPPORT GRADE 9 - 12

Course Code: 3941, 3942, 3943, 3944

Grade: 9-12

Credit: 1.0

The High School Learning Support (LS) is a potent strategy that brings together community engagement, academic education, personal development, and social accountability. By merging service with the curriculum, learners can gain fresh expertise and abilities while simultaneously fulfilling the necessities of their community.

End of Course Assessment: none

Prerequisite: A current psych-ed evaluation; an Individualized Learning Plan (ILP)

Fee: See Business Office

LIFE-CENTERED EDUCATION

Course Code: 3645

Grade: 9-12

Credit: 0

For General Diploma scholars.

In the Life-Centered Education (LCE) course, professionals collaborate with parents, community service personnel, and businesses to empower scholars for successful transitions into independent adulthood. Through a holistic approach, the course focuses on equipping scholars with essential life and social skills necessary for postsecondary life. Units within the curriculum integrate learned skills into scholars' daily routines, facilitating independence and growth. Throughout the course, scholars acquire and internalize knowledge, understanding, and skills crucial for their development, with continued participation essential for effective assimilation and application of acquired skills over consecutive years.

End of Course Assessment: none

Prerequisite: A current psych-ed evaluation; an Individualized Learning Plan (ILP)

Fee: See Business Office

ESSENTIAL ENGLISH

Course Code: 3100

Grade: 9-12

Credit: 0

For General Diploma scholars.

English Essentials blends core language competencies with practical applications, catering to individual student needs. Through authentic activities and real-world scenarios, scholars refine their reading, writing, speaking, and

listening skills. Daily immersion in authentic materials like news articles and literature enriches language fluency and nurtures critical thinking. English Essentials empowers scholars to communicate effectively and engage meaningfully in academic and everyday contexts, laying a solid foundation for their future

End of Course Assessment: none

Prerequisite: A current psych-ed evaluation; an Individualized Learning Plan (ILP)

Fee: See Business Office

ESSENTIAL MATH

Course Code: 3211

Grade: 9-12

Credit: 0

For General Diploma scholars.

In Math Essentials, scholars explore foundational, real-world mathematical concepts and life skills. From mastering mathematical principles to navigating budgeting exercises, scholars gain practical knowledge. Daily math practice and budgeting simulations empower scholars to apply these skills in real-world scenarios, fostering confidence in financial management and decision-making.

End of Course Assessment: none

Prerequisite: A current psych-ed evaluation; an Individualized Learning Plan (ILP)

Fee: See Business Office

ESSENTIAL SCIENCE

Course Code: 3304

Grade: 9-12

Credit: 0

For General Diploma scholars.

The Science Essentials course intertwines scientific concepts with practical life lessons, emphasizing food safety, personal health, home management, and environmental awareness. By exploring technology use, problem-solving, and informed decision-making, scholars acquire invaluable skills. Experiential learning and community involvement further solidify classroom activities, paving the path for postsecondary success.

End of Course Assessment: none

Prerequisite: A current psych-ed evaluation; an Individualized Learning Plan (ILP)

Fee: See Business Office

ESSENTIAL HISTORY

Course Code: 3409

Grade: 9-12

Credit: 0

For General Diploma scholars.

History Essentials combines historical insights with essential life skills. Exploring key events and personalities, scholars sharpen their practical skills while connecting past occurrences with their personal lives. Daily exposure to global news enriches their understanding and personalizes historical context.

End of Course Assessment: none

Prerequisite: A current psych-ed evaluation; an Individualized Learning Plan (ILP)

Fee: See Business Office

STUDY HALL

Course Code: 3904

Grade: 11-12

Credit: 0

Scholars in grades 11 and 12 who take 3 or more AP courses (or a combination of AP and IB HL courses) may request a Study Hall instead of the seventh course to give themselves time during the school day to keep up with their academic load. It is a self-paced period with limited teacher supervision. No high school credit is earned in Study Hall.

Prerequisite: 3 or more scheduled APs or AP/IB HL, for grade 11-12 scholars only

AP / IB Core Courses

ADVANCED PLACEMENT SEMINAR

Course Code: 3901

Grades: 11

Credit: 1.0

AP Seminar is a foundational course that engages scholars in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, scholars practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Scholars learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip scholars with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

End of Course Assessment: AP Exam, first two weeks of May

Prerequisite: AP approval

Course Fee: SR 600

ADVANCED PLACEMENT RESEARCH

Course Code: 3900

Grades: 12

Credit: 1.0

AP Research allows scholars to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, scholars design, plan and conduct a year-long research-based investigation to address a research question. In the AP Research course, scholars further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Scholars explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

End of Course Assessment: AP Exam, first two weeks of May

Prerequisite: Scholars who successfully complete AP Seminar are eligible for and encouraged to complete the second portion of the Capstone program, AP Research, with the goal of achieving the AP Capstone Diploma. Scholars who are unsuccessful in AP Seminar (1 or 2 on the AP exam) may still consider the AP Research course provided they successfully pass the course at AISJ. Scholars that do not pass the course at AISJ are not permitted to continue in AP Research.

Course Fee: SR 600

IB THEORY OF KNOWLEDGE

Course Code: 3910, 3911

Grades: 11-12

Credit: 1.0

TOK is a course about critical thinking and inquiring into the process of knowing, rather than about learning a specific body of knowledge. It is a core element which all Diploma Programme scholars undertake. TOK and the Diploma Programme subjects should support each other in the sense that they reference each other and share some common goals. The TOK course examines how we know what we claim to know. It does this by encouraging scholars to analyze knowledge claims and explore knowledge questions. A knowledge claim is the assertion that "I/we know X" or "I/we know how to Y", or a statement about knowledge; a knowledge question is an open question about knowledge. TOK will explore two themes throughout the course and eight areas of knowledge in the studies, with scholars completing both an internal and external assessment for the IB programme.

End of Course Assessment: As directed by IBO

Prerequisite: Grade 11 enrollment

Course Fee: SR 600 per year

Week Without Walls

Week Without Walls is a program whereby scholars learn to partake in service to others and become engaged in experiential learning, which is one of the essential components in the development of the “whole child” and one of the major building blocks in helping all scholars pursue their dream.

Learning through hands-on projects and working as members of a group to achieve major goals enhances the learning experience; and when scholars can internalize learning, they begin to develop lifelong learning skills. Moreover, when they have the opportunity to serve others, it touches their hearts and minds in ways that cannot be measured through tests and exams. It is that human touch that scholars learn in programs such as Week Without Walls that defines them and guides them toward future ideals and decisions that will impact their world in ways that we may never be able to quite describe in words.

Week Without Walls experiences include on-campus options, local options within Jeddah, options within the Kingdom and options abroad. These experiences and destinations vary each year and fall into the three strands of Service, Adventure and Culture. Week Without Walls is a required part of the high school curriculum and scholars enroll in a WWW experience each year. Each experience earns the scholar 0.25 credits and scholars who attend AISJ for all four years of high school earn 1 WWW credit.

Prerequisites for High School Courses

If a course is not listed, it has no specific prerequisites

	Course	Prerequisites
	AP Seminar (for AP Diploma/Certificate)	Pre-AP English 2
	AP Research (for AP Diploma/Certificate)	AP Seminar
English	Pre-AP English 2	Pre-AP English 1
	English 11	Pre-AP English 2
	English 12	English 11
	AP English Language & Composition	Pre-AP English 2
	AP English Literature & Composition	Pre-AP English 2
	IB English A: Language & Literature SL/HL	Pre-AP English 2
Mathematics	Pre-AP Algebra 1	70% or better on Algebra 1 challenge exam if in grade 7 or 8; none if in grade 9
	Pre-AP Geometry & Statistics	Pre-AP Algebra 1
	Pre-AP Algebra 2	Pre-AP Algebra 1; Pre-AP Geom or concurrent enrollment
	Principles of Accounting & Business Math	Pre-AP Geometry & Stats
	Statistics	Pre-AP Geometry & Stats
	Precalculus	Pre-AP Algebra 2
	AP Statistics	Pre-AP Algebra 2 or Statistics w/teacher approval

	AP Precalculus	Pre-AP Algebra 2
	AP Calculus AB	Precalculus or AP Precalculus
	AP Calculus BC	AP Calculus AB
	IB Mathematics: AI SL/HL	Pre-AP Algebra 2
	IB Mathematics: AA SL/HL	Precalculus
Science & Computer Sci	Physics	Pre-AP Algebra 1 or concurrent enrollment
	Pre-AP Biology	Pre-AP Algebra 1 highly recommended
	Pre-AP Chemistry	Pre-AP Algebra 1; Pre-AP Geometry concurrent enrollment
	Environmental Science	Pre-AP Biology; Pre-AP Algebra 1
	Marine Ecology and Conservation	Pre-AP Biology; Pre-AP Algebra 1
	Anatomy & Physiology	Pre-AP Biology
	Astronomy	Pre-AP Algebra 1; Pre-AP Geometry & Stats
	AP Biology	Pre-AP Biology, Pre-AP Algebra 1; Pre-AP Chemistry is highly recommended
	AP Chemistry	Pre-AP Chemistry, Pre-AP Algebra 2
	AP Environmental Science	Pre-AP Biology, Pre-AP Algebra 1
	AP Physics 1	Pre-AP Geometry; Pre-AP Algebra 2 or concurrent enrollment
	AP Physics 2	AP Physics 1
	AP Physics C	AP Physics 1; Precalc or AP Precalc; concurrent enrollment in AP Calc AB or BC
	IB Physics SL/HL	Physics; Pre-AP Algebra 2
	IB Biology SL/HL	Pre-AP Biology
	IB Chemistry SL/HL	Pre-AP Chemistry; Pre-AP Algebra 2 for HL
	Digital Media & Video Production	CS Basics
	Robotics & AutoCAD	CS Basics
	Fundamentals of Cybersecurity	CS Basics
	Advanced Cybersecurity	Fundamentals of Cybersecurity
	Data Science & Artificial Intelligence	AP CSP passing exam score; AP CSA recommended
	AP Computer Science Principles	Algebra 2 or concurrent enrollment, CS Basics; Robotics & AutoCAD is recommended
	AP Computer Science A	Algebra 2, CS Basics;

		AP CSP, Robotics, and concurrent enrollment in AP Calc AB are highly recommended
	IB Computer Science SL/HL	CS Basics; Algebra 2; one advanced course is highly recommended for SL and required for HL
	IB Design Technology SL/HL	Robotics & AutoCAD
Social Science	AP Human Geography	If in grade 9, standardized English test in 80% or AP Potential for AP HUG on College Board
	AP Psychology	AP approval
	AP World History	Pre-AP World History or AP Human Geography
	AP Comparative Government	AP approval
	AP Economics	Pre-AP Algebra 2
	AP US History	AP approval
	IB Business Management SL/HL	one year of social studies; two years of mathematics
	IB Global Politics SL/HL	one year of social studies in high school
	IB History SL/HL	Pre-AP WH & Geography or AP World History
	IB Psychology SL/HL	one year of social studies in high school
Fine Arts	Islamic Art & Architecture	Art Foundations
	Pre-AP Visual Arts	Art Foundations
	Intermediate Band	Beginning Band or 1 year experience and skill level
	Symphonic Band	Intermediate Band or 2 years experience and skill level
	Advanced Guitar	Intro to Guitar or skill level
	Select Choir	Audition
	AP 2-D Art & Design	Pre-AP Visual Arts or portfolio
	AP Drawing	Pre-AP Visual Arts
	AP Music Theory	Music Rudiments & Technology or proficiency in music theory
	IB Visual Arts SL/HL	Pre-AP Visual Arts
Languages	AP French	French 4 or placement
	AP Spanish	Spanish 4 or placement
	IB Arabic ab initio SL	none or one year of AFL in MS or HS
	IB Arabic B SL	not for “home language” scholars; two years of AFL in MS or HS

	IB Arabic B HL	not for “home language” scholars; four years of AFL in MS or HS; if “home language,” no formal training
	IB French ab initio SL	none or one year of French in MS or HS
	IB Spanish ab initio SL	none or one year of Spanish in MS or HS
	IB Spanish A: Language & Literature (SL/HL)	for “home language” scholars: two years of Spanish in HS or placement
	IB Spanish B SL/HL	not for “home language” scholars: 2 years of Spanish in MS or HS for SL; 4 years of Spanish in MS or HS for HL; if “home language,” no formal training



College Board Advanced Placement Program

All Advanced Placement courses are year-long college-level courses with College Board exams at the end of the year. AISJ is a college-preparatory school, so we expect all our scholars to take and pass at least one advanced course in their high school years. Scholars can take AP courses in grades 9-12, if they have completed the prerequisites and received the AP approval. AP readiness may be determined by a combination of the following criteria:

- Completion of prerequisite courses at AISJ or at a different school, including some accredited summer programs like VHS (vhslearning.org)
- MAP / SAT / PSAT scores in the 80th percentile or higher
- Recommendation for an advanced course from the High School office
- Successful completion of a challenge exam
- AP Potential as determined by the College Board via the scholar's College Board account
- Keen interest in the subject and commitment to success

AISJ recommends a balanced selection of AP courses, depending on the scholar's goals, skills, and interests, as well as graduation requirements and scheduling availability. In the past years, the majority of AISJ scholars took between 1 and 5 AP courses in their high school years. Here are the recommended guidelines.

- Grade 9: 0-1 AP courses
- Grade 10: 0-2 AP courses
- Grade 11: 0-3 AP courses and AP Seminar
- Grade 12: 1-3 AP courses and AP Research

AISJ has a "no-drop" AP policy, which means that once scholars sign up for an AP course, they may not drop it. All scholars in AP classes are required to sit for AP exams in May. Scholars in AP classes have regular homework and may be asked to come on weekends for enrichment or exam preparation. Additionally, scholars in AP exams sit for mandatory Mock exams on one or two weekends in April. Each mock exam counts as one summative assessment or the final exam.

AP Scholar Awards

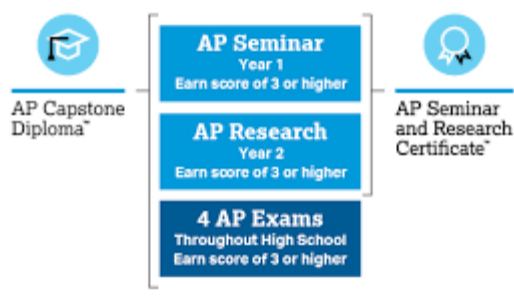
Scholars taking AP courses may qualify for prestigious College Board awards that demonstrate their outstanding university-level academic achievement and make their university applications more competitive.

AP Scholar Awards	Criteria
AP Scholar	Scores of 3 or higher on 3 or more AP exams
AP Scholar w/Honor	At least 3.25 on all AP exams and scores of 3 or higher on 4 or more exams
AP Scholar w/Distinction	At least 3.5 on all AP exams and scores of 3 or higher on 5 or more exams

AP Capstone Program

AP Capstone Diploma™ may be attempted in addition to the AISJ high school diploma. Scholars who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma™. AP Seminar and AP Research are offered only to grade 11 and grade 12 scholars respectively.

AP Seminar and Research Certificate™ is awarded to scholars who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP exams.



AP International Diploma

The AP International Diploma™ (APID) may also be attempted in addition to the AISJ high school diploma. Scholars must earn scores of 3 or higher on five or more AP exams from four different groups.

Group 1 World Languages Any two (2) eligible AP world language or English exams, if the exams are across two different languages. –OR– Any one (1) AP world language or English exam, AND a letter of proficiency in a language not available as an AP Exam, AND one (1) additional AP Exam (cannot be English or a world language) World Languages and Culture ☐ French Language and Culture English ☐ English Language and Composition ☐ English Literature and Composition	Group 2 Global Perspective One AP exam ☐ Comparative Government and Politics ☐ Environmental Science ☐ Human Geography ☐ Macroeconomics ☐ World History
Group 3 Sciences and Math & Computer Science One AP exam Mathematics & Computer Science ☐ Calculus AB ☐ Calculus BC ☐ Computer Science A ☐ Computer Science Principles ☐ Statistics	Group 4 Other (except languages) One AP exam Capstone ☐ AP Seminar ☐ AP Research Arts ☐ Studio Art: 2-D Design ☐ Studio Art: 3-D Design ☐ Studio Art: Drawing

Sciences ☐ Biology ☐ Chemistry ☐ Environmental Science ☐ Physics 1: Algebra-Based ☐ Physics 2: Algebra-Based	History & Social Science ☐ Comparative Government and Politics ☐ Human Geography ☐ Macroeconomics / Microeconomics ☐ Psychology ☐ U.S. History ☐ World History Math & Sciences (see group 3)
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Prerequisites for AP Courses

	Course	Prerequisites
	AP Seminar (for AP Capstone Diploma/Certificate candidates)	Pre-AP English 2
	AP Research (for AP Capstone Diploma/Certificate candidates)	AP Seminar
English	AP English Language & Composition	Pre-AP English 2
	AP English Literature & Composition	Pre-AP English 2
Math	AP Statistics	Pre-AP Algebra 2 or Statistics w/teacher approval
	AP Precalculus	Pre-AP Algebra 2
	AP Calculus AB	Precalculus or AP Precalculus
	AP Calculus BC	AP Calculus AB
Science & Comp Sci	AP Biology	Pre-AP Biology, Pre-AP Algebra 1; Pre-AP Chemistry is highly recommended
	AP Chemistry	Pre-AP Chemistry, Pre-AP Algebra 2
	AP Environmental Science	Pre-AP Biology, Pre-AP Algebra 1
	AP Physics 1	Pre-AP Geometry; Pre-AP Algebra 2 or concurrent enrollment
	AP Physics 2	AP Physics 1
	AP Physics C	AP Physics 1; Precalc or AP Precalc; concurrent enrollment in AP Calc AB or BC
	AP Computer Science Principles	Algebra 2 or concurrent enrollment; Computer Science Basics; Robotics & AutoCAD is recommended
	AP Computer Science A	Algebra 2, Computer Science Basics, AP CSP and Robotics are highly recommended; concurrent enrollment in AP Calc AB is highly recommended

Social Science	AP Human Geography	If in grade 9, standardized English test in 80% or AP Potential for AP HUG on College Board
	AP Psychology	AP approval
	AP World History	Pre-AP World History or AP Human Geography
	AP Comparative Government	AP approval
	AP Economics	Pre-AP Algebra 2
	AP US History	AP approval
Fine Arts	AP 2-D Art & Design	Pre-AP Visual Arts or portfolio
	AP Drawing	Pre-AP Visual Arts
	AP Music Theory	Music Rudiments & Technology or proficiency in music theory
Lang	AP French	French 4 or placement
	AP Spanish	Spanish 4 or placement

Possible Career Pathways for AP Program 2024-2025

	Medical Path	Engineering Path	Computer Science Path	Business Path
9	-Pre-AP Biology -Pre-AP Algebra 2	-Physics -Pre-AP Algebra 2 -Robotics & AutoCAD	-Physics -Pre-AP Algebra 2 -Robotics & AutoCAD	-Pre-AP Geom & Statistics
10	-Pre-AP Chemistry -Precalculus -AP Precalculus -AP Psychology	-Pre-AP Chemistry -Precalculus -AP Precalculus -AP CSP	-Precalculus -Fund of Cybersecurity -AP Precalculus -AP CSP	-Pre-AP Algebra 2 -Fund of Cybersecurity -AP Psychology -AP Human Geography
11	-Anatomy & Physiology -AP Biology -AP Calculus AB -AP Physics 1	-AP Physics 1 -AP Chemistry -AP Calculus AB	-Advanced Cybersecurity -AP Calculus AB -AP Physics 1 -AP Comp Sci A	-Precalculus -Economics -AP Statistics -AP Precalculus
12	-AP Chemistry -AP Calculus BC	-AP Physics 2 or C -AP Calculus BC	-Data Science & AI -AP Calculus BC -AP Physics 2 or C	-AP Calculus AB -AP Economics

	Humanities & Law Path	Linguistic Path	Architecture Path	Visual Arts Path
9	-AP Human Geography	-AP Human Geo -French/Spanish 2 -Arabic FL 2 or native	-Physics -Pre-AP Geom & Stats -Robotics and AutoCAD -Art Foundations	-Art Foundations -Islamic Art & Architect -Digital Media & Video
10	-Pre-AP Algebra 2 -AP World History -AP Psychology	-AP World History -AP Psychology -French/Spanish 3 -Arabic FL 3 or native	-Pre-AP Algebra 2 -Pre-AP Visual Art -Islamic Art & Architect -AP CS Principles	-Pre-AP Visual Art
11	-Precalculus -AP English Lang -AP Comparative Government -AP US History	-AP English Lang -IB Arabic B -IB Spanish B -French/Spanish 4	-Precalculus -AP Precalculus -AP Physics 1 -AP 2D Art & Design	-AP 2D Art & Design
12	-AP English Lit & Composition -AP Calculus AB -AP French/ AP Spanish/ AP Arabic test	-AP English Literature -AP French -AP Spanish -AP Arabic test	-AP Drawing -AP Calculus AB -AP Physics 2 or C	-AP Drawing



International Baccalaureate (IB) Diploma (DP) Program

All IB DP courses are two-year college-level courses with IBO exams at the end of the second year. AISJ is a college-preparatory school, so we expect all our scholars to take and pass at least one advanced course in their high school years. Scholars can take IB DP courses in grades 11-12, if they have completed the prerequisites and received the IB approval. IB readiness may be determined by a combination of the following criteria:

- Completion of prerequisite courses at AISJ or at a different school, including some accredited summer programs like VHS (vhslearning.org)
- MAP / SAT / PSAT scores in the 80th percentile or higher
- Recommendation for an advanced course from the High School office
- Successful completion of a challenge exam
- AP Potential as determined by the College Board via the scholar's College Board account
- Keen interest in the subject and commitment to success

Scholars may take one or more IB courses to earn IB subject certificates, or they may enroll in a full IB Diploma program, depending on their goals, skills, and interests, as well as graduation requirements and scheduling availability.

AISJ has a “no-drop” IB policy, which means that once a scholar is signed up for an IB course, he or she may not drop it. All scholars in IB classes are required to sit for IB exams in May of the senior year. Scholars in IB classes have regular homework and may be asked to come on weekends for enrichment or exam preparation. Additionally, scholars in IB exams sit for mandatory Mock exams on one or two weekends in April. Each mock exam counts as one summative assessment or the final exam.

IB Diploma

IB DP curriculum is made of DP core and six subject groups. The core elements are Theory of Knowledge (TOK), the extended essay, which is an independent research project that culminates with a 4,000-word paper (EE), and Creativity, Activity, Service (CAS).

IB DP candidates choose 3 higher level (HL) and 3 standard level (SL) subjects from the following groups:

1. Studies in language and literature
2. Language acquisition
3. Individuals and societies
4. Sciences
5. Mathematics
6. The arts

Scholars may opt to study an additional course in sciences, individuals and societies, or language courses, instead of a course in the arts. Every scholar must learn at least one additional language by taking two courses from group 1 and 2, or by taking two courses from group 1.

For scholars to receive an AISJ diploma, assessments in IB classes are done following the standard AISJ practices (formal assignments, summative assessments, and final exams). To earn the IB Diploma at the end of the second year, scholars sit for internal and external assessments, as outlined by the course descriptions provided by IBO.

In the DP, scholars receive grades from 7 to 1, with 7 being the highest, for each DP course attempted. TOK, EE, and CAS components are awarded individual grades and can contribute up to 3 additional points toward the overall diploma score, so the maximum score possible for IB Diploma is 45.

For an IB Diploma, scholars must score 24 points or more for all IB exams combined and meet the following requirements:

- All CAS requirements have been met
- There is no "N" awarded for TOK, the Extended Essay, or a contributing subject
- There is no grade E awarded for TOK and/or the Extended Essay
- There is no grade 1 or 2 in any subject or level
- There are no more than three grade 3s or below awarded for SLs
- IB Year 1 Certificate and DP Candidates will have until September 30 to make a switch from a SL to a HL class, or from a HL class to a SL class. After the 30th SL/HL switches will *not* be permitted.
- For DP Candidates please note you will stay in the same classes, you are just raising the status of one and lowering the status of another. For the ambitious DP Candidate, you may also raise one SL to an HL, resulting in four total HL classes. Again, if you make this change, you may not back out.
- The final award committee has not given the candidate a penalty for academic misconduct

While it is not common, students may be required in some cases to submit legalized documents to the university, government entity or other organization of their choice. More on the legalization process can be found [here](#).

IB Course Options 2024-2025

Group 1 Studies in Language and Literature -IB English A: Language & Literature (SL/HL)	Group 2 Language acquisition -IB Arabic ab initio (SL) -IB Arabic B (SL/HL) -IB French ab initio (SL) -IB Spanish ab initio (SL) -IB Spanish A (SL/HL) -IB Spanish B (SL/HL)	Group 3 Individuals and Societies -IB Business Management (SL/HL) -IB Environmental Systems & Societies (SL) -IB Global Politics (SL/HL) -IB History (SL/HL) -IB Psychology (SL/HL)
Group 4 Sciences -IB Biology (SL/HL) -IB Chemistry (SL/HL) -IB Physics (SL/HL) -IB Computer Science (SL/HL) -IB Design Technology (SL/HL) -IB Environmental Systems & Societies ⁶ (SL)	Group 5 Mathematics -IB Mathematics: Analysis & Approaches (SL/HL) -IB Mathematics: Applications & Interpretation (SL/HL)	Group 6 The Arts -IB Visual Arts (SL/HL)

Prerequisites for IB Courses

Group 1	Course	Prerequisites
	IB English A: Language & Literature (SL/HL)	Pre-AP Eng 2
Group 2	IB Arabic ab initio SL	none or one year of AFL in MS or HS
	IB Arabic B SL	not for “home language” scholars; two years of AFL in MS or HS
	IB Arabic B HL	not for “home language” scholars; four years of AFL in MS or HS; if “home language,” no formal training
	IB French ab initio SL	none or one year of French in MS or HS
	IB Spanish ab initio SL	none or one year of Spanish in MS or HS
	IB Spanish A: Language & Literature (SL/HL)	for “home language” scholars: two years of Spanish in HS or placement

⁶ This course can fulfill either the individuals and societies or the sciences requirement. **Alternatively, this course enables scholars to satisfy the requirements of both subject groups simultaneously while studying one course.**

	IB Spanish B SL/HL	not for “home language” scholars: 2 years of Spanish in MS or HS for SL; 4 years of Spanish in MS or HS for HL; if “home language,” no formal training
Group 3	IB Business Management (SL/HL)	one year of social studies; two years of mathematics
	IB Env Systems & Societies (SL)	none
	IB Global Politics (SL/HL)	one year of social studies in high school
	IB History (SL/HL)	one history class in high school
	IB Psychology (SL/HL)	one year of social studies in high school
Group 4	IB Biology (SL/HL)	Pre-AP Biology
	IB Chemistry (SL/HL)	Pre-AP Chemistry; Pre-AP Algebra 2 for HL
	IB Computer Science (SL/HL)	CS Basics and Algebra 2; one advanced course is highly recommended for SL and required for HL
	IB Design Technology (SL/HL)	Robotics & AutoCAD
	IB Env Systems & Societies (SL)	none
	IB Physics (SL/HL)	Physics and Algebra 2
Group 5	IB Mathematics: Applications and Interpretation (SL/HL)	Algebra 2
	IB Mathematics: Analysis and Approaches (SL/HL)	Precalculus
Group 6	IB Visual Arts (SL/HL)	Pre-AP Visual Arts

Possible Career Pathways for IB DP Program 2024-2025

Medical Path	Engineering Path	Computer Science Path	Business Path
Sci.: Biology HL	Sci.: Physics HL	Sci.: Comp Sci HL	Ind & Soc.: Business Management HL
Sci.: Chemistry HL	Sci.: Chemistry HL or CS HL	Sci.: Physics HL	Lang.: English A: Lang & Lit HL
Math: A&A HL	Math: A&A HL	Math: A&A HL or A&I HL	Math: A&A HL or A&I HL
Lang.: English A: Lang & Lit SL	Lang.: English A: Lang & Lit SL	Lang.: English A: Lang & Lit SL	Sci.: choice of SL
Ind & Soc.: choice of SL	Ind & Soc.: choice of SL	Ind & Soc.: choice of SL	Sci. or Ind & Soc. or The Arts: choice of SL
Lang aquisit.: Arabic or French or Spanish SL	Lang aquisit.: Arabic or French or Spanish SL	Lang aquisit.: Arabic or French or Spanish SL	Lang aquisit.: Arabic or French or Spanish SL
TOK (EE & CAS)	TOK (EE & CAS)	TOK (EE & CAS)	TOK (EE & CAS)

Humanities & Law Path	Linguistic Path	Architecture Path	Visual Arts Path
Lang.: English A: Lang & Lit HL	Lang.: English A: Lang & Lit HL	The arts: Visual Arts HL	The arts: Visual Arts HL
Ind & Soc.: Choice of HL	Lang aquisit.: Arabic B HL or Spanish A HL or Spanish B HL	Lang.: English A: HL or Math: A&A HL or A&I HL	Lang.: English A: Lang & Lit HL
Ind & Soc.: Choice of HL	Ind & Soc.: choice of HL	Sci.: Physics HL	Sci. or Ind & Soc.: Choice of HL
Math: Math A&I SL	Math: Math A&I SL	Math: Math A&I or A&A SL or Lang.: English A SL	Math: Math A&I SL
Sci.: choice of SL	Sci.: choice of SL	Ind & Soc or Sci.: choice of SL	Ind & Soc. or Sci.: choice of SL
Lang aquisit.: Arabic or French or Spanish SL	Ind & Soc. or The Arts: choice of SL	Lang aquisit.: Arabic or French or Spanish SL	Lang aquisit.: Arabic or French or Spanish SL
TOK (EE & CAS)	TOK (EE & CAS)	TOK (EE & CAS)	TOK (EE & CAS)

AISJ Course Progression for IB or AP Enrollment

Scholars planning to enroll in IB or AP studies should begin challenging courses in middle school and continue in 9th and 10th grade.

English Preparation

AISJ Standard	IB Program	AP Program
Grade 9 Pre-AP English 1	Grade 9 Pre-AP English 1	Grade 9 Pre-AP English 1
Grade 10 Pre-AP English 2	Grade 10 Pre-AP English 2	Grade 10 Pre-AP English 2
Grade 11 English 11 (American Literature)	Grade 11 IB English A: Language & Literature (SL/HL)	Grade 11 - AP English Language & Comp. - AP Seminar (for AP Diploma)
Grade 12 English 12 (British Literature)	Grade 12 IB English A: Language & Literature (SL/HL)	Grade 12 - AP English Literature & Comp. - AP Research (for AP Diploma)

Mathematics Preparation

AISJ Standard	IB Program	AP Program
	Grade 7 options Pre-AP Algebra 1	Grade 7 options Pre-AP Algebra 1
	Grade 8 options - Pre-AP Algebra 1 - Pre-AP Geometry & Stats	Grade 8 options - Pre-AP Algebra 1 - Pre-AP Geometry & Stats
Grade 9 Pre-AP Algebra 1	Grade 9 - Pre-AP Geometry & Statistics - Pre-AP Algebra 2	Grade 9 - Pre-AP Geometry & Statistics - Pre-AP Algebra 2
Grade 10 Pre-AP Geometry & Statistics	Grade 10 - Pre-AP Algebra 2 - Precalculus - AP Precalculus	Grade 10 - Precalculus - AP Precalculus
Grade 11 - Pre-AP Algebra 2 - Accounting & Business Math	Grade 11 - IB Mathematics: AI (SL/HL) - IB Mathematics: AA (SL/HL)	Grade 11 - AP Precalculus - AP Statistics - AP Calculus AB
Grade 12 - Precalculus - Account & Business Math - Statistics	Grade 12 - IB Mathematics: AI (SL/HL) - IB Mathematics: AA (SL/HL)	Grade 12 - AP Statistics - AP Calculus AB - AP Calculus BC

Science Preparation

AISJ Standard	IB Program	AP Program
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Grade 8 options	Grade 8 options - Pre-AP Algebra 1 - Pre-AP Geometry & Stats	Grade 8 options - Pre-AP Algebra 1 - Pre-AP Geometry & Stats
Grade 9 Physics	Grade 9 - Physics - Pre-AP Biology (medical)	Grade 9 - Physics - Pre-AP Biology (medical)
Grade 10 - Pre-AP Biology - STEAM	Grade 10 - Pre-AP Biology - Pre-AP Chemistry (medical)	Grade 10 - Pre-AP Biology - Pre-AP Chemistry (medical)
Grade 11 - Astronomy - Environmental Science - Pre-AP Chemistry - STEAM	Grade 11 - IB Biology (SL/HL) - IB Chemistry (SL/HL) - IB Physics (SL/HL) - IB Computer Science (SL/HL)	Grade 11 - AP Biology - AP Chemistry - AP Physics 1 - AP Environmental Science
Grade 12 - Anatomy & Physiology - Astronomy - Environmental Science - Marine Ecology	Grade 12 - IB Biology (SL/HL) - IB Chemistry (SL/HL) - IB Physics (SL/HL) - IB Computer Science (SL/HL)	Grade 12 - AP Biology - AP Chemistry - AP Physics 2 - AP Physics C - AP Environmental Science

Social Studies Preparation

<i>AISJ Standard</i>	<i>IB Program</i>	<i>AP Program</i>
Grade 8 options Pre-AP World History & Geography (ancient)	Grade 8 options Pre-AP World History & Geography (ancient)	Grade 8 options Pre-AP World History & Geography (ancient)
Grade 9 Pre-AP World History & Geography (modern)	Grade 9 - Pre-AP World History & Geography (modern) - AP Human Geography	Grade 9 - Pre-AP World History & Geography (modern) - AP Human Geography
Grade 10 - Islamic Studies - Psychology & Sociology - US History	Grade 10 - AP Comp. Government - AP Human Geography - AP Psychology - AP World History - Economics - Psychology & Sociology - US History	Grade 10 - AP Comp. Government - AP Human Geography - AP Psychology - AP World History - Economics - Psychology & Sociology - US History
Grade 11 - Economics - Islamic Studies - Psychology & Sociology - US History	Grade 11 - IB Business Management (SL/HL) - IB Env. Systems & Societies (SL) - IB Global Politics (SL/HL) - IB History (SL/HL) - IB Psychology (SL/HL)	Grade 11 - AP Comp. Government - AP Economics - AP Human Geography - AP Psychology - AP US History - AP World History
Grade 12 - Economics - Islamic Studies	Grade 12 IB Business Management (SL/HL)	Grade 12 - AP Comp. Government - AP Economics

- Psychology & Sociology - US History	- IB Env. Systems & Societies (SL) - IB Global Politics (SL/HL) - IB History (SL/HL) - IB Psychology (SL/HL)	- AP Human Geography - AP Psychology - AP US History - AP World History
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World Language Preparation

<i>AISJ Standard</i>	<i>IB Program</i>	<i>AP Program</i>
Grade 7 options - AFL 1 - Arabic A1 - Arabic A2	Grade 7 options - AFL 1 - Arabic A1 - Arabic A2	
Grade 8 options - AFL 2 - Arabic A3	Grade 8 options - AFL 2 - Arabic A3 - French 1 - Spanish 1	Grade 8 - French 1 - Spanish 1
Grade 9 - Arabic A4 - AFL 1, 2, or 3 - French 1 - Spanish 1	Grade 9 - Arabic A4 - French 1 - French 2 - Spanish 1 - Spanish 2	Grade 9 - French 1 - French 2 - Spanish 1 - Spanish 2
Grade 10 - Arabic A5 - AFL 2, 3, or 4 - French 2 - Spanish 2	Grade 10 - Arabic A5 - French 2 - French 3 - Spanish 2 - Spanish 3	Grade 10 - French 2 - French 3 - Spanish 2 - Spanish 3
Grade 11 - See IB Arabic options - French 3 - Spanish 3	Grade 11 - IB Arabic ab initio (SL) - IB Arabic B (SL/HL) - IB French ab initio (SL) - IB Spanish ab initio (SL) - IB Spanish A (SL/HL) - IB Spanish B (SL/HL)	Grade 11 - French 3 - French 4 - Spanish 3 - Spanish 4
Grade 12 - See IB Arabic options - French 4 - Spanish 4	Grade 12 - IB Arabic ab initio (SL) - IB Arabic B (SL/HL) - IB French ab initio (SL) - IB Spanish ab initio (SL) - IB Spanish A (SL/HL) - IB Spanish B (SL/HL)	Grade 12 - French 4 - AP French - Spanish 4 - AP Spanish

Computer Science Preparation

<i>AISJ Standard</i>	<i>IB Program</i>	<i>AP Program</i>
Grade 8 Computer Science Basics	Grade 8 - Computer Science Basics - Pre-AP Algebra 1	Grade 8 - Computer Science Basics - Pre-AP Algebra 1

	Pre-AP Geom & Stats	Pre-AP Geom & Stats
Grade 9 - Computer Science Basics (with MS scholars) - Digital Media & Video	Grade 9 - Digital Media & Video - Fundamentals of Cybersecurity - Robotics & AutoCAD - Pre-AP Algebra 2	Grade 9 - Digital Media & Video - Fund. of Cybersecurity - Robotics & AutoCAD - Pre-AP Algebra 2
Grade 10 - Digital Media & Video - Fundamentals of Cybersecurity	Grade 10 - Advanced Cybersecurity - Robotics and AutoCAD - AP Comp Science Principles - AP Precalculus	Grade 10 - Fund of Cybersecurity - Robotics and AutoCAD - AP Comp Science Principles - AP Precalculus
Grade 11 - Robotics and AutoCAD - Fundamentals of Cybersecurity	Grade 11 - IB Computer Science (SL/HL) - IB Design Technology (SL/HL)	Grade 11 - AP Comp Science Principles - AP Comp Science A - Advanced cybersecurity
Grade 12 - Robotics and AutoCAD - Advanced Cybersecurity	Grade 12 - IB Computer Science (SL/HL) - IB Design Technology (SL/HL)	Grade 12 - AP Computer Science A - Data Science & Artificial Intelligence

Fine Arts Preparation

<i>AISJ Standard</i>	<i>IB Program</i>	<i>AP Program</i>
Grade 8 Drama and Creative Expression	Grade 8 - Art Foundations - Drama and Creative Expression	Grade 8 - Art Foundations - Drama and Creative Expression
Grade 9 - Art Foundations - Introduction to Theater - Introduction to Guitar - Beginning Band - Concert Choir - Music Rudiments & Tech	Grade 9 - Art Foundations - Islamic Art & Architecture - Introduction to Theater - Beginning Band - Concert Choir - Music Rudiments & Tech	Grade 9 - Art Foundations - Islamic Art & Architecture - Introduction to Theater - Beginning Band - Concert Choir - Music Rudiments & Tech
Grade 10 - Islamic Art & Architecture - Advanced Acting - Theater Prod & Stagecraft - Advanced Guitar - Intermediate Band - Concert Choir	Grade 10 - Pre-AP Visual Arts - Music Rudiments & Tech - Theater Prod & Stagecraft - Advanced Acting	Grade 10 - Pre-AP Visual Arts - Music Rudiments & Technology - Theater Production & Stagecraft - Advanced Acting
Grade 11 - Pre-AP Visual Arts - Advanced Acting - Theater Prod & Stagecraft - Advanced Guitar - Symphonic Band - Select Choir	Grade 11 IB Visual Arts (SL/HL)	Grade 11 - AP 2-D Art & Design - AP Drawing - AP Music Theory
Grade 12 - Advanced Acting - Theater Prod & Stagecraft	Grade 12 IB Visual Arts (SL/HL)	Grade 12 - AP 2-D Art & Design - AP Drawing

• Advanced Guitar • Symphonic Band • Select Choir		• AP Music Theory
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