

MYP PROGRAM OVERVIEW

G6-G10



G6-G8

G9-G10



AP

IB MYP

Interdisciplinary: These units provide an opportunity for two subjects to collaborate on planning, teaching, and assessing together so that students can learn through the lens of each disciplinary idea.

Language acquisition: English/ Mandarin/ Korean/ Japanese/ German/ French... Classes provide an opportunity to master a second language that they are not familiar with. MYP identifies 6 different learning phases that students can progress through for reading, writing, speaking, and listening. The BIS English curriculum also uses Collegeboard Springboard as its primary mode of delivery.

Language and literature: English/ Mandarin/ Korean/ Japanese... The focus is on mother tongue language development or primary language knowledge. Through the study of fiction, non-fiction, poetry, and drama, students are able to increase their knowledge through a variety of different genres with a focus on writing. The BIS English curriculum also uses Collegeboard Springboard as its primary mode of delivery.

Beginning next year, students in grade 10 will have the option of choosing AP English Language.

Individuals and societies: History/ Geography/ Business... In grades 6-8 integrated I&S is taught with a focus on history and geography. In grades 9 and 10 students are able to study both modern and ancient history, current events in geography that includes an option of studying a yearlong AP course in history or geography.

Sciences: Students in grades 6-8 take an **integrated science approach** to study life science, earth, science, and biology. Beginning in grade 9, students study yearlong **chemistry**; beginning in grade 10, they study yearlong **physics**. The focus is on both practical knowledge as well as preparing them for their DP courses in grades 11-12.

Beginning next year, students in grade 9 will have the choice of either **AP Chemistry** or **Chemistry/ Biology combined**. Students in grade 10 will have the choice of either **AP Physics** or **Physics/ Astronomy** combined.

Mathematics: Classes provide an opportunity in grades 6-7 to focus on **numeracy, statistics and pre-algebra**. Beginning in grade 8, students begin an in-depth study of algebraic concepts in **Algebra I**. Students in grade 9 are able to study Geometry for a full year. In Grade 10, students return to a deeper study of algebra along with statistics in **Algebra II**. The BIS Math curriculum also uses Collegeboard SpringBoard as its primary mode of delivery.

Students who qualify can begin an advanced track to study Algebra I in grade 7.

Arts: Students will study both visual arts, and music in grades 6-8. In grades 9 and 10, students will specialize in the fine art of their choice that uses a Pre-AP curriculum. Students take part in a variety of academic studies while also having the opportunity to demonstrate understanding through such events as the fine arts festival, school drama production, and winter concert.

Physical and health education: This course structures a component of physical, mental, and emotional health by

AP

AP Geography: AP Human Geography is a comprehensive study of the human side of geography. We look at how and why human interactions shape the world we live in: and how the world we live in shapes human interaction.

AP Modern World History: AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

AP Calculus AB: AP Calculus AB is the study of limits, derivatives and integrals that develops the students' ability to use multiple representations in the solution of computational and word problems. Applications are centered around determining tangent lines, rates of change, areas and volumes of revolution. A wide range of topics are considered including physics, chemistry and biology.

AP Calculus BC: This course is a continuation of AP Calculus AB and provides students with an opportunity to continue learning about the fundamentals of calculus in preparation for the AP exam in the spring. This course will be offered next academic year at BIS.

AP Chinese Language: This course is designed for students who have an advanced level of Chinese language acquisition knowledge. Students will practice listening, writing and speaking as they hone their skills in preparation for the AP Chinese exam.

AP Statistics: AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This course will be offered next academic year at BIS.

allowing students to express themselves through physical activity and sports. Students also participate in a classroom-based health class.

Design MYP uses the design cycle structured in four main steps: inquiry and analysis of design problems, development of feasible solutions, creation of a solution by making or improving a product and then testing and evaluation of students' models, prototypes, products or systems.

AP Physics: AP Physics 1 is an algebra based, first year physics course that introduces students to college-level thinking in Physics. Students will gain valuable knowledge related to scientific reasoning and critical thinking skills, supported by inquiry-based laboratory and simulation activities. This course will be offered next academic year at BIS.

AP Chemistry: AP Chemistry is a year-long course that is designed to emulate two semesters of university-level general chemistry. Students will gain valuable knowledge related to scientific reasoning and critical thinking skills, supported by laboratory work that covers general chemistry techniques and syllabus-based problem solving. This course will be offered next academic year at BIS.

AP English Language: AP English Language and Composition: A one-year college level, English composition course where students cultivate their understanding of writing and rhetorical arguments. This is achieved through students' exploration of rhetoric, claims and evidence, reasoning, organization and style, across a variety of texts. This course will be offered next academic year at BIS.

AP Computer Science Principles: AP Computer Science Principles: A one-year college level computing course introducing students to the expanse of the computer science field. Through the development of algorithms and programs, students will be challenged to apply computer science as well as design and evaluate a multitude of solutions to technological issues impacting the 21st century. This course will be offered next academic year at BIS.

AP German Language (test only): This course is offered to advanced language acquisition or native German speakers who have been speaking German for 4+ years. The course will provide some test preparation; however, students will take the AP German test with officially setting it up as an AP German course.

Service

Community Project: The Community Project provides an opportunity for small groups of Grade 8 students to research, serve, and report on an aspect of community service in their areas. Students are assigned an advisor who will guide them during the process. Previous groups have raised money and awareness as well as donated their time for causes such as an animal shelter, sports clubs, language teaching lessons, trash collection, and many other important endeavors.

Personal Project: The Personal Project is the capstone event for MYP and takes place in Grade 10. Students research, engage in, and report on an area of their choosing over the course of the academic year. Students are assessed according to criterion by a group of teachers, and scores are sent to the IBO for moderation with students receiving a certificate the following academic year.