

## **IB COURSES OFFERED TO HONORS/AP STUDENTS WHO APPLY AS IB CERTIFICATE CANDIDATES**

Students must apply through the IB office to become Certificate Candidates. They are expected to fulfill the requirements of the IB and sit for the IB exams, and they will be allowed to sit for the corresponding AP exam.

**Social Anthropology** is a comparative study of culture and human societies. It explores both the universal principles of social and cultural life and characteristics of specific societies and cultures.

**Sciences** are offered to provide students with opportunity for search and discovery, development of and understanding of the knowledge of science principles and concepts, development of the application of knowledge and skills to generate new knowledge, and encourage an awareness of the impact of science on society to prepare for life in a technological age.

**Biology** studies the fundamental characteristics of living matter from the molecular level to the vertebrate organism including cells, chemistry of life, genetics, ecology, human health and physiology, nucleic acids and proteins, and plant studies.

**Chemistry** investigates stoichiometry, atomic theory, bonding, energetics, kinetics, oxidation and reduction, and organic chemistry.

**Physics** is an in-depth study of the laws of physics. experimental skills, mechanics, optics, sound, electricity, magnetism, atomic and nuclear physics, thermodynamics, and biomedical physics.

**Environment and Society** aims to provide students 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.

**Art/Design** stimulates the knowledge of the rich artistic heritage of many cultures and teaches students that there is the freedom to create in various visual symbols.

**Music** allows for exploration of the shared human perceptions and emotions which temper our lives. It demands that the educated musician and music lover be able to recognize and articulate musical elements realized in diverse examples of music making.

**Business and Management** is the rigorous and critical study of the ways in which individuals and groups interact in a dynamic business environment. It is an academic discipline that examines how business decisions are made and how these decisions make an impact on internal and external environments. The ideals of international cooperation and responsible citizenship are at the heart of business and management.

**Information Technology in a Global Society (ITGS)** is the study and evaluation of the impact of information technology on individuals and society. It explores the advantages and disadvantages of the use of digitized information at the local and global level. ITGS provides a framework for the student to make informed judgments and decisions about the use of information technology (IT) within social contexts.

**Philosophy** explores the fundamental questions: What exists? What is it to be a human being? What can we know? How do I know what is the right thing to do? These questions are explored through an examination of themes and texts. The emphasis of IBO Philosophy is on doing philosophy (as opposed to studying the history of philosophy.) The aim is for candidates to become aware of their own biases and those of others. At the core of the philosophy course is a search for truth with a clarity of understanding achieved through critical and systematic thinking, careful analysis of arguments and close reading.

**Theatre** consists of advanced work in a seminar style with in-depth research, analysis, application, and production emphases. Specific technical preparation in script writing and editing, improvisation, acting, design and production, and directing will be explored through research, comparison and contrast analysis, and critique.

**Film** aims to develop students' skills so that they become adept in both interpreting and making film texts. Through the study and analysis of film texts and exercises in film-making, the Diploma Programme film course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. To achieve an international understanding within the world of film, students are taught to consider film texts