

IB Biology

Overview

Biology is studied for a variety of reasons and covers an enormous range of branches in science. Students who take this course will further their understanding of biological processes from the smallest cells to the largest ecosystems. In doing so they will gain an appreciation of the connectedness of the world we live in. Through investigating and studying various real-world situations, students will be able to develop their data analysis and evaluation skills, helping to enhance their report writing technique. As students work collaboratively with a mentor in this program, they will learn about the scientific method and the ethical concerns and limitations that are apparent in conducting research in the biological field of science.

Objectives

- Develop a more comprehensive knowledge of the scientific method
- Improve analytical and evaluative skills
- Enhance overall knowledge of life at all levels
- Develop presentation and report writing technique

Structure

- Reflect on current knowledge of the range of topics that Biology covers and identify strengths and weaknesses
 - Develop a personalised curriculum
- Investigate biology studies and theories in the world today
 - Real-world examples
 - Ethical concerns
 - Limitations of scientific endeavours
- Collaboratively develop data analysis skills
 - Question reliability and validity of data
- Practice reporting primary and secondary data in the form of a report
 - Scientific writing style
- Exam practice
 - Past papers
 - Planning and structuring responses
 - Analysing and evaluating sources

