

A Level Biology

Overview

In an ever-changing, increasingly technological world, this program aims to assist students in developing sufficient knowledge and understanding to participate in society as confident, technologically-able citizens. This program is focused on the theoretical concepts and subsequent application of Biology. 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 participate 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 skills relevant to the study and practice of biology
- Encourage effective communication using universal scientific conventions
- Stimulate interest in the local and global environment and help students understand the need for conservation
- Develop a more comprehensive knowledge of the scientific method
- Improve analytical and evaluative skills

Structure

- Reflect on current knowledge of the range of subjects that Biology teaches and identify strengths and weaknesses
 - Develop a personalised curriculum
- Investigating biology studies and theories in the world today
 - Real-world examples
 - Scientific method (usefulness and limitations)
 - Ethical concerns
 - Limitations of scientific endeavours
- Collaboratively develop data analysis skills
 - Critical thinking and evaluation skills
- 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