

| | |
|-------------------------------|--------------------------------------|
| Subject name | Biology |
| Subject code | TBS (General subject) |
| Additional Subject fee | Nil |
| Prerequisites | Minimum C Science, Maths and English |

Course Overview

This subject aims to provide students with an opportunity to experience aspects of the general subject of Biology. Biology provides opportunities for students to engage with living systems. This can include developing understanding of cells and multicellular organisms, the concept of maintaining the internal environment, biodiversity and the interconnectedness of life, and heredity and the continuity of life.

Studying this subject will enable students to:

- develop an understanding of how biological systems interact and are interrelated, the flow of matter and energy through and between these systems, and the processes by which they persist and change.
- experience learning opportunities and experiences within Biology at a greater depth and breadth than those available in the core Junior Science course.
- develop a sound knowledge base on which to build on in future.
- develop the study skills and processes necessary to apply knowledge in Biology.
- have an opportunity to refine their skills through practical activities
- make an informed subject choice for Year 11 and 12.

Course Outline

The topics covered in the program will be different from those covered in the core Year 10 Science course (which all students study).

The course introduces aspects of the senior general Biology curriculum, which can include:

- Biodiversity
- Heredity and Genetics
- Cells and Systems
- Homeostasis and Disease

Assessment

Assessment within Biology uses techniques modelled on those used in Year 11 and 12. This includes a Data Test, Research Investigation, and/or a Student Experiment. Overall, the assessment program will require students to take more responsibility for their own plans and actions in line with the Senior School.

Career Opportunities

Studying Biology can establish a basis for further education and employment in the fields of medicine, forensics, veterinary, food and marine sciences, agriculture, biotechnology, environmental rehabilitation, biosecurity, quarantine, conservation and sustainability

Note: This option is separate from the Rural Operations, Physics, Chemistry or Science in Practice subject options. While these options complement each other, they each act as stand-alone units as well. Students may, and are encouraged to, select up to three of the Year 10 subject options.