

Year 9 Science P Program

Semester 1 Course Outline

This semester students explore ways in which the human body as a system responds to its external environment and the interdependencies between biotic and abiotic components of ecosystems. They begin to apply their understanding of energy and forces to global systems such as continental movement. Students will further develop their inquiry skills by taking a more active role in planning and analysing investigation methods and data. Students will continue to build on their use of scientific language and representations using a range of different text types. The Learning Outcomes for this course have been personalised to suit the individual's learning program.

Learning Outcomes

Students will be assessed on the following Learning Outcomes:

- 9.414 Explains global features and events in terms of geological processes and timescales.
- 9.415 Analyses how biological systems function and respond to external changes with reference to interdependencies, energy transfers and flows of matter.
- 8.404 Explains how evidence has led to an improved understanding of a scientific idea and describes situations in which scientists collaborated to generate solutions to contemporary problems.
- 9.417 Designs questions that can be investigated using a range of inquiry skills.
- 7.394 Plans fair experimental methods, identifying variables to be changed and measured.
- 7.397 Summaries data from different sources, describes trends and refers to the quality of data when suggesting improvements to methods.
- 8.411 Uses appropriate language and representations to communicate science ideas, methods and findings in a range of text types.

Assessment Tasks

Students will be assessed on their participation and completion of classwork and assessment tasks.

Task	Week Due*
Formative Assessment - class work, STILE, practical lessons etc.	Ongoing
Research task	Week 8
Inquiry Skills - Investigation Tasks	Ongoing

* Type of assessment may vary.
only

**Due dates are an estimate

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Executive Teacher: Darren King