

Marine Biology

Australian Curriculum Learning Area:	Science
BHS Faculty:	Science
Year Group/s:	Years 9 and 10
Semester/s Offered	Semester 2



Unit Description

Marine Biology covers the study of a range of marine ecosystems, organisms and their adaptations for life in the ocean. The unit will also consider the impact of human activities on marine life and marine resources. Students will use the skills of scientific inquiry to conduct investigations and communicate their findings. They will develop an understanding of science as a human endeavour within the interdisciplinary field of Marine Biology and be offered opportunities to complete field work in coastal habitats as part of the unit of work. This elective is for anyone who is interested in marine life and passionate about conservation.

Relevant AC Content Descriptions

- Multi-cellular organisms rely on coordinated and interdependent internal systems to respond to changes to their environment.
- Ecosystems consist of communities of interdependent organisms and abiotic components of the environment; matter and energy flow through these systems.
- Select and use appropriate equipment, including digital technologies, to collect and record data systematically and accurately.
- Analyse patterns and trends in data, including describing relationships between variables and identifying inconsistencies.
- Use knowledge of scientific concepts to draw conclusions that are consistent with evidence.

- Communicate scientific ideas and information for a particular purpose, including constructing evidence-based arguments and using appropriate scientific language, conventions and representations.

Subject Contributions:

- Approx. \$600 (costing is dependent on camp occurring)

Major Excursions:

- Possibility of a 2-3 day camp in Term 4 - coastal.

Major Assessment Items:

- Rocky shore field study/life at the rocky shore assignment
- Test 1: The marine environment & marine ecosystems
- Marine mammal creative piece
- Exploitation of marine resources data analysis task

Supports further study in the following Year 11/12 courses:

- Oceanography (T/A/M) - offered at Dickson College
- Biology (T/A) - offered at Hawker College
- Interdisciplinary Science (T/A/M) - offered at Hawker College
- Earth & Environmental Science (T/A) - offered at various colleges
- Senior Science (A/M) - offered at various colleges

