

2022 Marine Studies Scope & Sequence

Faculty: STEM

Subject: Marine Studies

Year: 12

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|--------|--|---|---|---|---|---|---|---|---|----|----------------------|
| TERM 4 | <p>Title / Unit: Module 6 – Coral Reef ecology (30 hours) Outcomes: 1.1, 1.2, 1.3, 1.4, 2.3, 3.1, 3.2, 3.3, 3.4, 5.4 Description: This optional module introduces students to the most biodiverse of all marine ecosystems – the coral reef. It explores the distribution, formation and some of the complex interrelationships that exist within coral reef communities. It provides an ideal opportunity for students to complete their study on site in Australia’s Great Barrier Reef Marine Park. In this module students investigate the following questions:</p> <ul style="list-style-type: none"> • What are coral reefs? • How are they formed? • What are some of the interrelationships that exist on coral reefs? • Why are coral reefs important? • What are some of the threats to coral reefs? <p>Skills: communication of information, processing and analysing and evaluating data and information, carrying out planned research, generating information from data, annotated diagrams Assessment data and weightings: Research Task – term 4 – week 10 – 30%</p> | | | | | | | | | | |
| | | | | | | | | | | | Research task 30% |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|--------|---|---|---|---|---|---|---|---|---|----|----|
| TERM 1 | <p>Title / Unit: Rock Platform (15 hours) Timing: 5 ½ weeks (school developed) Outcomes: 1.1, 1.3, 1.4, 2.2, 3.2, 3.3, 3.4, 4.2 Description: This module introduces rock platforms and the animals and plants that commonly live there. Students investigate the harshness of the rock platform habitat and the adaptations that organisms living on it need for survival. Skills: communication of information, collecting and processing and analysing and evaluating data and information, carrying out planned research, generating information from data Assessment data and weightings:</p> | | | | | <p>Title / Unit: Marine Pests and Threats (15 hours) Timing: 5 ½ weeks (school developed) Outcomes: 1.1, 1.2, 1.3, 2.1, 3.1, 3.2, 3.3, 4.2, 5.2 Description: This module introduces an awareness of the pests and threats that can affect the NSW marine environment, and the measures that can minimise their impact on the environment and economy. Skills: communication of information, collecting and processing and analysing and evaluating data and information, carrying out planned research, generating information from data Assessment data and weightings: Data analysis – term 1 - Week 11 - 20%</p> | | | | | |
| | | | | | | | | | | | |

