

MARINE SCIENCE

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| STATUS: | ELECTIVE | | |
| COURSE OVERVIEW: | <p>The Year 10 Marine Science course aims to provide students with the essential skills necessary to cope with the rigour of the senior Marine Science. Students will develop familiarity with the scientific language used in Marine Science. Development of skills in experimental and field based techniques including statistical analysis of data is a focus of this course.</p> <p>This subject has three main objectives:</p> <ul style="list-style-type: none"> ▪ To prepare students to think critically about the impact of Science and Technology on their current and future lives ▪ To improve student understanding of scientific process ▪ To prepare students for Senior Marine Science | | |
| COURSE OUTLINE: | <p>The curriculum will be based on The Australian National Curriculum and will include:</p> <ul style="list-style-type: none"> ▪ Oceanography essentials and skills development ▪ Dynamic Shores Ecology ▪ Marine Ecology ▪ Marine Chemistry | | |
| COURSE ASSESSMENT: | <p>Assessment tasks will mirror the assessment types students will encounter in Year 11 and 12. The students will be graded against the standards for Year 10 Science in the Australian National Curriculum.</p> <ul style="list-style-type: none"> ▪ Data Test ▪ Research Investigation ▪ Student Experiment ▪ Examination | | |
| STUDY REQUIREMENTS: | <p>30 minutes homework per night. Completion of key assessment task work.</p> | | |
| SPECIAL REQUIREMENTS: | <p>Mandatory participation in all field excursions. Please note that there are costs associated with these field experiences.</p> | | |
| POSSIBLE CAREER PATHWAYS: | <p>Marine biologists Marine Parks Officer Biologist Oceanographer Tourism officer Fisheries officer</p> | <p>Microbiologist Ecologist Hydrologist Environmental Health Biostatistics Ecological modelling Ocean engineering</p> | <p>Shipping Environmental scientist Maritime Safety Coastal engineering Tropical ecosystem conservation Climate modelling Environmental Law</p> |
| PARENT/CARER SUPPORT: | <p>Encourage an interest in scientific and environmental issues. Encourage an interest in Marine based issues. Encourage students to read. Monitor the completion of key assessment tasks.</p> | | |