

Programme Outline

BOOKINGS: Email: marine.studies@otago.ac.nz
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Science in the Sea

LOCATION: New Zealand Marine Studies Centre, Portobello, Dunedin

PROGRAMME DESCRIPTION:

How do scientists study the sea? What does a marine scientist do? Come and discover how University of Otago marine scientists spend their day and find out where the Research Vessel *Polaris II* is currently working. Students will view a diverse range of local species by getting up close with live marine species and visit the touch tanks. Students will also get the opportunity to investigate and conduct a guided experiment.

Extensions:

LEARNING OUTCOMES:

- Students will gain an understanding of the tools scientists use to study marine science.
- Students will gain knowledge on and be able to observe, gather data and run an experiment
- Develop questioning around research that marine scientists undertake.

Extras:

YEAR/LEVEL: Years 4-8 Levels 2-4

CURRICULUM LINKS: **Nature of Science (NoS):** Understanding in Science Levels 1-4 ; Investigating in Science Levels 1-4; Communicating in Science Levels 1-2
Science:

KEY COMPETENCIES: Thinking; Using Language, symbols and texts

PRE TRIP PREPARATION: No essential preparation

RESOURCES AVAILABLE TO SUPPORT PROGRAMME: Class sets of Rocky Shore and Sandy and Muddy Shore identification guides are available on application to the NZMSC.

RELATED TOPICS: Microscopes, Ipads, running experiments, live marine creatures, research

PROGRAMME COSTS: \$7 per student (Excl. GST). There is a minimum charge of 15 students.

PROGRAMME LENGTH: 2 hours

GROUP INFORMATION: As we will be working in a University of Otago laboratory, students will need to ensure they are wearing closed-toe shoes.

SAFETY ACTION PLAN: In Laboratory: As per lab safety

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