



# RV Polaris II Expedition Extension & Enrichment for individual school groups

Experience the life of a marine scientist mapping out life on the ocean floor. This programme is a full day of science experiences with the guidance of oceanographers and marine biologists. Ranging from the physical properties of the ocean to the complexity of all the life it sustains you'll use a variety of sampling methods to build a picture of the Otago Harbours marine biodiversity, what factors impact it, and how the future might look. This programme includes a preparation session via ZOOM to get the maximum out of your expedition.

## Participants

- Students who are able and enthusiastic about science, and/or are gifted. Fits well with a group of GATE or accelerated students.
- Max 25 students per expedition.
- There is the option to combine students from smaller schools, which should be arranged by the schools themselves.

## Location

- NZ Marine Studies Centre in Portobello, Dunedin. Transport to and from the Centre is the responsibility of the participating school(s).

## Dates and times

- Dates are available throughout the year and are limited to when the vessel is available outside of tertiary research.
- The ZOOM session is scheduled with the school/teacher.
- The Expedition will run from 8.30am to 4pm.

**For further inquiries and submitting your interest to book please contact:**  
**[hanna.ravn@otago.ac.nz](mailto:hanna.ravn@otago.ac.nz)**

A group of students are on the deck of the RV Polaris II. They are looking at a piece of equipment, possibly a CTD, which is being lowered into the water. The background shows a coastal landscape with green hills and a blue sky. The text 'RV Polaris II Expedition Extension & Enrichment for individual school groups' is overlaid on the image in white font.

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## Expedition itinerary

8.30 am Arrive at NZ Marine studies centre

9.30 am onboard RV POLARIS II.

- CTD casts to measure Salinity and temperature across the water column.
- Baited Underwater Video (BUV) deployments to attract benthic wildlife.
- Dredge to sample the benthic environment.

12.30pm Lunch at NZ Marine Studies Centre

1.00 pm Graphing and interpreting CTD data. Investigating patterns observed and explain why

1.30pm Dredge sorting – investigating phylums and functional roles present

2.30pm BUV biodiversity analysis

3.30pm Review with patterns observed

4.00pm Depart NZ Marine Studies Centre

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