

Programme Outline

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Voyage of Discovery Programme

LOCATION:	On board commercial charter vessels, in Tasman Bay or in Queen Charlotte Sound
PROGRAMME DESCRIPTION:	This programme takes place aboard either the “Steadfast”, a replica 1913 Gaff rigged Pilot Cutter in Picton, or a 65 foot ketch “Sh’khinah” if sailing from Nelson . Students undertake at least seven different duties while on board. These range from; helping to haul the sails, steering the boat, navigating and plotting our position on the chart, taking soundings (measuring the depth), using a traditional ships log (for measuring speed), identifying seabirds and other wildlife, taking plankton and bottom sampling etc. Students are shown what to do and adults are available to help out if needed and depending on the age of the class. Extensions: Temperature, salinity and clarity, readings on the surface and at depth. Also using a hydrophone.
LEARNING OUTCOMES:	<ul style="list-style-type: none"> • Research what is out in Tasman Bay (or Queen Charlotte Sound) on the ocean bottom, in the water column, on the water and above the water. • Build up a personal 'picture' of what is out there in the local ocean and it's ecology • Participate in and explore traditional nautical technologies aboard a sailing vessel. • Understand how most modern day technology is based on technology from the past. • Participate and work cooperatively in sailing a real boat. <p>Extras: Practical hands-on learning, outside, in a traditional learning environment. Experiencing the vocabulary of the sea (port, starboard, leeward, windward, knots of speed, halyard etc.</p>
YEAR/LEVEL:	Year 4 - 10 , Levels 3 - 5
CURRICULUM LINKS:	Nature of Science (NoS): U, I, PC Science: Living World (LW): LP, EV, level 5 , EC. Also Technology, Maths and stats L2/L3, Social studies, English
KEY COMPETENCIES:	Managing self, P&C, Thinking, Persuing Knowledge, Relating to others, Using language, symbols & texts
PRE TRIP PREPARATION:	Personal Lifejackets are helpful. http://www.youtube.com/watch?v=1Gla80ZTidA
RESOURCES AVAILABLE TO SUPPORT PROGRAMME	Copies of the activities available prior to the trip if requested. Pre trip information sheet available, and a class visit may be possible prior to the trip.
RELATED TOPICS:	Exploration and Discovery, Ocean environments, Research, Team Building
PROGRAMME COSTS:	Boat cost is \$700 (+GST), invoiced directly by boat charter, ie \$25 per student (28 students), + 5 adults come FREE of charge. Plus \$4.00 (+GST) per student for eductator. If based in Marlborough \$200 transport levy may apply.
PROGRAMME LENGTH:	Approx 5 hours
GROUP INFORMATION:	Cameras etc are a personal responsibility, no liability accepted for dropped/lost items while on board.
SAFETY ACTION PLAN:	RAMS Matrix not needed as this is a fully surveyed commercial vessel operating under the NZ Safe Ship Management System. The skipper is responsible for all on board safety issues. He will brief all passengers prior to getting underway. No pushing or shoving, even in jest, on wharf or on the boat.
NZMSC CONTACT:	Richard de Hamel, phone: 021 4 OCEAN (021 4 62326) email: richard.dehamel@otago.ac.nz

The NZ Marine Studies Centre is part of the Marine Science Department, University of Otago.
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