

Programme Outline

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Intertidal Studies & Mm² Programme

LOCATION:	Various beach, estuary or rocky shorelines
PROGRAMME DESCRIPTION:	Join the Marine Educator as you learn about seashore etiquette then explore the coastal fringe. You can learn about life on the shore and explore the beach or estuary with an expert on hand to help with the many inevitable questions. Interactive games and activities all help to set the scene for children to understand what's happening between the tides. You have the option of adding to the citizen science 'Marine Metre Squared programme' and upload you data on-line to add to this nation-wide long-term initiative. You'll be able to compare what your class found with other classes, both locally and nationally. Extensions: NCEA level 2 Biology Ecology of the Rocky Shore Community
LEARNING OUTCOMES:	<ul style="list-style-type: none">• Be able to identify possible reasons for animal distribution on the shore.• Understand the environmental factors that make the intertidal zone a good, or not so good, place to live.• Identify some of the more common animals they come across on the shore.• Learn about value of counting versus the estimation of animal numbers.• being part of a real national science data collection programme
Extras:	
YEAR/LEVEL:	Year 1 - 10, Levels 1 - 4
CURRICULUM LINKS:	Nature of Science (NoS): U, I, PC Science: Living World (LW): LP, EV, level 5 , EC.
KEY COMPETENCIES:	Managing self P and C Thinking
PRE TRIP PREPARATION:	Not essential
RESOURCES AVAILABLE TO SUPPORT PROGRAMME	Rocky Shore Guides, Sandy and Muddy Shore Guides, Crab identification wheel, Life-sized guides etc
RELATED TOPICS:	Research, intertidal life, life cycles, animal diversity
PROGRAMME COSTS:	\$4 (+GST) per student, or \$3 (+GST) per student if coupled with another booking
PROGRAMME LENGTH:	Approx 1.5 hours
GROUP INFORMATION:	Estuaries can be very muddy.
SAFETY ACTION PLAN:	Generalised Safety Action Plans available for the more popular sites
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.
This programme is supported by the Ministry of Education's LEOTC service.
See WWW.MARINE.AC.NZ for more programmes and resources.