

Programme Outline

BOOKINGS: Email: marine.studies@otago.ac.nz
Phone: 03 479 5826



Deep Sea Denizens

LOCATION:	New Zealand Marine Studies Centre, Portobello, Dunedin
PROGRAMME DESCRIPTION:	<p>During this programme we uncover the mysteries of deep-sea creatures. We look in detail as to how they go about finding food and avoiding predators. Come with us as we take a dive in our virtual submarine to the depths of the Otago Coast, where we will see what species lurk in our local deep-sea waters.</p> <p>In this programme we discover the tricky nature that scientists face when studying creatures that live in such a deep, dark environment. We also lightly dive into some of their shallow-water cousins in order to study their adaptations more closely.</p> <p>Extensions: Add a squid dissection to find out more about these creatures.</p>
LEARNING OUTCOMES:	<ul style="list-style-type: none">▪ Students will be able to identify adaptations that allow these creatures to live at such depths.▪ Students will gain an understanding of the difficulties that scientists face when studying the deep-sea. <p>Extras:</p>
YEAR/LEVEL:	Years 6-10 Levels 3-5
CURRICULUM LINKS:	<p>Nature of Science (NoS): Investigating in Science, Understanding about Science</p> <p>Science: Science Living World, - Life processes, Ecology, Evolution, Levels 1-2; Evolution level 3</p>
KEY COMPETENCIES:	Thinking, Managing self, Using language, symbols and text.
PRE TRIP PREPARATION:	No Preparation essential.
RESOURCES AVAILABLE TO SUPPORT PROGRAMME:	Class sets of the Rocky Shore and Sandy and Muddy Shore identification guides are available on application to the NZMSC.
RELATED TOPICS:	Deep sea, animal relatives, adaptations.
PROGRAMME COSTS:	\$7 per Student or \$9 to include dissection (GST Excl.)
PROGRAMME LENGTH:	2 Hours
GROUP INFORMATION:	As we will be working in a University of Otago Laboratory, students must wear closed toe shoes.
SAFETY ACTION PLAN:	<p>In laboratory: As per lab safety</p> <p>On beach: As per field operations</p>
NZMSC CONTACT:	<p>Shelley Dixon</p> <p>Email: shelley.dixon@otago.ac.nz</p> <p>Phone: (03) 479 5843</p>

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.