



APPENDIX 1: Marine Exploration Master Class Programme Descriptions

1. Exploring the Taputeranga Marine Reserve and Taputeranga Island

Dr Victor Anderlini (IBMEC), Edward Howard (IBMEC) Morris Te Whiti Love (Wellington Tenth's Trust)

This Programme focusses on learning about Taputeranga Island and Marine Reserve. The programme will present a Maori and European perspective of the natural world, and its past and present cultural and spiritual importance to both cultures. Participants will be able to learn about the natural history of the Island and its important connection to the health and protection of all marine life through an on-site visit. Taputeranga Island's geographic and biological uniqueness, and its importance to the marine life found along the Wellington South Coast will be explained. The Programme will include lunch and a boat trip along the South Coast from Lyall Bay to Red Rocks. During the trip participants will be able to gain a better understanding of the South Coast's place in traditional Maori and contemporary history.

2. Seals and Red Rocks Reserve Exploration

Judy Hutt (IBMEC Director), Dr Hamish Campbell (GNS), Andrew Stewart (Te Papa)

This programme will provide a unique opportunity to explore, discover and learn about this diverse coastal location. Participants will begin their exploration at IBMEC's Octopus Headquarters for a brief overview of the day's activities followed by a walk to the award-winning, Owhiro Bay Interpretation Centre. This excellent Centre is located on the site of a former quarry but is now an important source of information on the South Coast's natural and human history. It is also the gateway to the Red Rocks Reserve and Seal Colony. The expert programme leaders will be able to help participants to understand the human impact, geology, biology and natural history of the area. The programme includes lunch and a copy of the Guide to Wellington's Red Rocks.

3. Cook Strait Ocean Exploration

Edward Howard (IBMEC), Andrew Stewart (Te Papa), Jonathan Delich (Skipper)

*This hands-on, ship-based programme will take participants along the Wellington South Coast and into Wellington Harbour. The programme will include an opportunity to carry out real scientific studies to compare the chemical, physical and biological oceanographic conditions. Participants of all ages will be taught how to use a variety of scientific instruments and collecting devices, and how to record the data collected. The data from all the groups that participate in this programme will be stored online so it can form the basis of an ongoing database for future comparisons. The programme will be carried out on the **Seafarer II** a 50 foot, (15 m) Marko Sambrailo commercial charter and fishing vessel. It was built in Western Australia for rock lobster fishing and was also used as a whale watching passenger vessel. It has a fully enclosed cabin as well as a covered deck area and side awnings to ensure participants comfort and safety. The programme includes lunch and refreshments and an opportunity to catch local marine fish species for home or release with all appropriate equipment provided.*

4. Under the Surface- Master Class Snorkelling Adventure

Dr Victor Anderlini (IBMEC), Andrew Stewart (Te Papa), Tim Walsh (Island Bay Divers)

This exciting programme offers a range of snorkelling explorations of local marine life within and around the Taputeranga Marine Reserve and Island. All our snorkelling programmes are led by highly qualified instructors and are suited to adults and children from 12 years of age and above. The programmes begin and end at our Octopus Headquarters on the shores of Island Bay. The guided sessions will explore the shallow waters around our Bait House Aquarium and are designed to allow beginners to progress from novice snorkelers up to open-water scuba divers through a series of PADI certified sessions. Our Snorkelling Adventure programmes for Year 7 and above students and adults are tailored for each group with age-appropriate content that complements what students are doing and learning in the classroom. We will provide quality 7mm wetsuits, hoods, fins and mask/snorkel sets for each participant. Participants will also enjoy a hot shower and lunch, and a visit to our Bait House Aquarium.