

# Māori Fishing Technology

**LOCATION:** NZ Marine Studies Centre, Portobello, Dunedin

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## **PROGRAMME DESCRIPTION:**

This programme focuses on Māori and their dependence on Kaimoana for survival. Māori had strict rules and rituals set in place when it came to kaimoana in order to protect the fish stocks. Their focus was on sustainability both for the environment, and of their people. They will recognise that some of it is still used, and other pieces have evolved into what they will recognise today. The children will enjoy a hands-on experience examining the raw materials available, and look at how to prepare and use those materials.

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## **LEARNING OUTCOMES**

Students will:

- Gain an understanding of Māori culture and values around kaimoana and the ocean.
- Explore and examine fishing equipment using only the materials that were originally available to Māori along with comparisons with equipment used today.
- Explore the concept of sustainability within a Māori context

## **Extras**

Gain a new or renewed appreciation of marine life and the marine environment.

Gain a new appreciation of marine science as a possible field of study or a future career.

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**YEAR/LEVEL** Years 4-8 Levels 3-4

## **CURRICULUM LINKS**

**Nature of Science (NoS):** Investigating in Science, Understanding about Science, Communicating in Science

**Science:** Science Living World, Life processes, Ecology, Social Sciences - Identity and Culture and Organization, place and environment, continuity and change.

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**KEY COMPETENCIES:** Thinking, Understanding symbols, language and text.

**PRE TRIP PREPARATION:** No preparation essential.

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## **RESOURCES AVAILABLE TO SUPPORT PROGRAMME**

Class sets of Rocky shore and Sandy and Muddy Shore identification guides are available on application to the NZMSC.

**RELATED TOPICS:** Similarities, differences, comparison, grouping, communication, science research, classifying, Māori studies, local history

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**PROGRAMME COSTS:** \$8.00 per student (GST excl.)

**PROGRAMME LENGTH:** 2 hours

**GROUP INFORMATION:** As we will be working in a University of Otago Laboratory, students must wear closed toed shoes.

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# Example itinerary

## 10.00 am

Arrive at NZ Marine Studies Centre

LAB: Intro and overview of the programme

## 10.15 am

LAB: What is a mollusc? Evolution and characteristics.

## 11.00 am

Rotate between stations of 20min

i) LAB: Understand the rocky shore environment

ii) AQUARIUM: Discover the feeding habits of molluscs

iii) FOYER: Create a mollusc food web

## 11.45 am

Morning tea

## 12.00 pm

Wrap up and depart NZMSC (opportunity to stay for lunch)

## SAFETY ACTION PLAN:

In the field: as per field operations

In Laboratory: as per Lab safety

Covid guidelines: as per government and University of Otago Covid guidelines

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