

# Suckers and Tentacles

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

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## **PROGRAMME DESCRIPTION:**

Which creatures have suckers and tentacles? Investigate the mollusc world and then we will focus in on cephalopods – octopus and squid. We will investigate a host of questions using preserved and live specimens. We will also dive into looking at the insides of a cephalopod and dissect a squid to understand some of its amazing adaptations. There is a component of environmental sustainability linked in with this programme,

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## **LEARNING OUTCOMES**

Students will:

- Gain an understanding of the cephalopod marine creatures.
- Be able to identify the internal features of squid and octopus
- Extend their experiences with marine creatures

## **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 5-9 Levels 3-5

## **CURRICULUM LINKS**

**Nature of Science (NoS):** Investigating in Science, Participating and Contributing

**Science:** Science – Living World – Evolution, Ecology and Life processes levels 1-4

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**KEY COMPETENCIES:** Managing Self, Thinking, Participating and contributing

**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:** Citizen science, Marine metre square, Identifying marine life, diversity

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**PROGRAMME COSTS:** \$8.00 per student (GST excl.). Extra \$2 per student if including a dissection.

**PROGRAMME LENGTH:** 2 hours

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

# 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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