

Seashore Scramble (Mm2)

LOCATION: NZ Marine Studies Centre, Portobello, Dunedin

PROGRAMME DESCRIPTION:

This programme focuses on what lives beneath the waves of our ocean, along with what lives up on our seashores. We take a look at how these animals have adapted to live where they do.

Students become detectives of the seashore by completing a Marine Metre square, where we get a look into the abundance and diversity of life living on our local shores. Our MM2 project encourages children to see monitor the life on our shores, and gives them a hands-on experience of identifying, grouping and communicating their findings with wider audiences.

LEARNING OUTCOMES

Students will:

- Gain a deeper understanding of the environment that our sea creatures live in.
- Be able to identify marine creatures, and understand more about their abundance, location and diversity.
- Be able to participate in a citizen science project.

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.

YEAR/LEVEL Years 4-8 Levels 2-4

CURRICULUM LINKS

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

Science: Science Living World, - Life processes, Ecology, Evolution, Levels 1-2; Evolution level 3

KEY COMPETENCIES: Relating to others, thinking, managing self, participating and contributing

PRE TRIP PREPARATION: No preparation essential.

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

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 and bring suitable clothing for outdoors - rain or shine (e.g. hats, sunscreen, or warm jackets).

Example itinerary

10.00 am

Arrive at NZ Marine Studies Centre - Intro and overview of the programme
Seashore etiquette - what might we find on the Rocky Shore?

10.15 am (dependent on the time of low tide)

On the Beach - We are out to discover what the rocky shore has in store for us. Time to find those marine creatures!

11.00 am

Split into 2 groups - 20min

1. **Aquarium** - Exploration and interpretation of lots of creature features. **Microeye.**
2. **Touch Tanks** - Get your hands wet and ready to meet other creatures not found on the shore.

11.45 am

What did we find on the rocky shore?

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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