

HAURAKI GULF MARINE PARK TĪKAPA MOANA



YOUNG
OCEAN
EXPLORERS

LESSON 4 - KAITAIKITANGA

NZ CIRRICULUM LINKS:

Learning areas:	Achievement objectives:
Te Ao Māori Te reo (language), tikanga (customs and traditional values)	By learning te reo Māori, students are able to participate with understanding and confidence in situations where te reo and tikanga Māori predominate and to integrate language and cultural understandings into their lives; strengthen Aotearoa New Zealand's identity in the world.
Aotearoa NZ Histories <i>Turangawaewae me te kaitiakitanga - Place and environment</i>	Adapting to new environments - look at technology and tools used. Think about how people use and affect the environment.
English	Listening, Reading, Viewing
Maths	Data gathering, graphing, number, measurement, statistics.
Science Science capabilities	Living things and how they interact with the environment. Engage with science Gather data Citizen Science

LEARNING SEQUENCE

Based on the Inquiry model



Inspire

Provoke curiosity
and wonder



Explore/Educate

Gather information
Use / apply
learning



Activate

Reflect and act

Overview

Find out about Tikapa Moana / the Hauraki Gulf and think about how we can care for it.

Learning intention

Tamariki are learning to understand the importance of the ocean in their lives, and ways we can care for it.

Success criteria

Students can:

- Explain how people affect the environment
- Take part in a positive action to care for the environment.

Background information for teachers:

The Hauraki Gulf Marine Park / Ko te pataka kai o Tikapa Moana te Moananui a toi was established in February 2000 to protect the natural and historic features of the Hauraki Gulf. The Gulf has plants and wildlife found nowhere else in the world and historic sites of national and global importance.

Hauraki Gulf Marine Park covers an area of more than 1.2 million hectares. There are more than 50 islands within the park, many of which are public conservation lands managed by DOC.

The marine park lies on the east coast of the Auckland and Waikato regions, and includes the Waitemata Harbour, Firth of Thames and eastern coastline of the Coromandel Peninsula.

[Hauraki Gulf Marine Park Map](#)

[Hauraki Gulf forum Reports](#)

[Kaitiakitanga](#) means guardianship. Tiaki = to care for / guard / protect; Kaitiaki = the person doing the caring / guardian / caregiver.

LESSON PLAN

Kaitiakitanga - Caring for our environment

Teachers are encouraged to choose and adjust activities to suit the learning needs and interests of their tamariki.



Inspire

 Allow approximately 10 mins

Introducing a common problem in our environment.

- **Watch** this Young Ocean Explorers video - [why is plastic so bad for sea creatures?](#) Shocking but true - there is so much plastic getting into the ocean. What can we do about it? **Discuss and list ideas.**



Video is 2:05 minutes



- **Make a difference** - these students from Verran Primary School in Auckland wanted to do something to make a difference to plastic in the environment. [One Plus A Day video.](#)



Video is 3:25 minutes

- **Watch** Riley's video that was made after hearing this great idea from Verran Primary - [Stop plastic!](#)



Video is 1:06 minutes



Educate

 Allow approximately 30 mins

Think about how we impact the environment, and what we can do to help.

- **Lunch box audit** - Look in your lunch boxes. How many things with single use plastic are in there? Brainstorm foods you could have in your lunchbox and other solutions for cutting down on single use plastic.
- **Watch** - [Crazy plastic journey](#). This talks about plastic in lunch boxes and how plastic gets to the ocean.



Video is 2:51 minutes

- **Learn** what kaitiaki means [YOE video - Kaitiaki](#)



Video is 1:09 minutes

- **Maths** - try these problems:
 - If you picked up one piece of rubbish a day, how much rubbish would you pick up in a week? A month? A year?
 - If everyone in your class picked up one piece of rubbish a day, how much rubbish would you pick up in a week? A month? A year?
 - If everyone in your school picked up one piece of rubbish a day, how much rubbish would you pick up in a week? A month? A year?
 - If everyone in New Zealand picked up one piece of rubbish a day, how much rubbish would you pick up in a week? A month? A year?

- **Learn** - caring for sea creatures. Find out how these students from Long Bay Primary School were inspired to campaign for a marine reserve in their area. [YOE Hope Stories - Kids want a marine reserve.](#)

Video is 3:23 minutes





Activate

 Timing will vary

- **Go outside and pick up at least 1 piece of plastic or other rubbish** – make a difference in YOUR community. Log your rubbish data on the

[21 day challenge graph.](#)

Each daily entry goes into the draw to win amazing prizes for your class and school



- **Design** a lunch that has no single use plastic wrapping. List the things you could put in a plastic-free lunch, or draw what you would put in your lunchbox that has no plastic wrapping. Design a lunch for every day of the week. Think about how you could get sandwiches etc in your lunch without using cling film.
- **Tell other people** about ways they can care for Tīkapa Moana and why it is so important. How can you spread the message to care for our ocean? Design a poster, write a story or poem, make a slide show, to share the message of how to be kaitiaki.

EXTRA LEARNING IDEAS AND RESOURCES

Read

- [The Plastic-Free Challenge - school journal Level 2](#)
- [Plastic planet - poem - school journal Level 2](#)
- [The Young Eco-Leaders Award - play - school journal Level 3](#)
- [How to reduce our footprint - school journal level 4](#)

Caring for sea creatures

Watch this early Young Ocean Explorers video - [Riley rescues a turtle](#). Find out more about organisations that help sea creatures in New Zealand. Look at [Kelly Tarltons](#), [Project Jonah](#), [Forest and Bird](#), [Experiencing Marine Reserves](#).

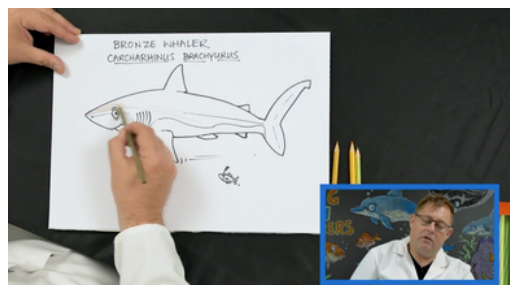
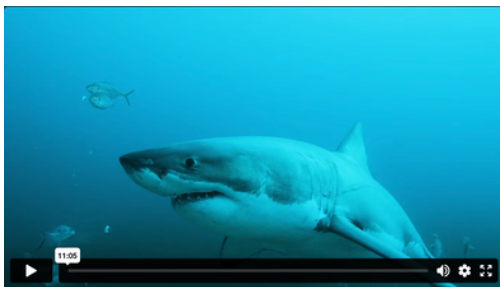


Video is 4:42 minutes

Learn to draw

Try drawing one of these kaitiaki. YOE videos - Learn to Draw

- [Great White Shark](#)
- [Bronze Whaler Shark](#)



Both videos are 11ish minutes... but take longer with a classroom

EXTRA LEARNING IDEAS AND RESOURCES

Imagine -

Draw your ideal natural environment for your area. How would it look if it was thriving? Label the parts that are different from what is there now. For example; community recycling bins, no rubbish on the roadside or beach, lots of fish in the sea / river / lake.

Watch

[YOE Hope Stories - Sea cleaners.](#) Learn about an organisation that is doing something to make a difference.

Video is 3:12 minutes



Sort

Look at the different types of rubbish you have found. [Use this tally chart](#) to record your findings. What type of rubbish did you find the most of?

PREDICT - if you collect rubbish every day for the 21 days which kinds of rubbish do you think there will be most of? Why?

Find out more:

There are many other lesson ideas from Young Ocean Explorers - choose another one. [Young Ocean Explorers](#) You can find out about some of the amazing creatures that live in or visit the Hauraki Gulf. There are also lessons on some of the amazing places in Tikapa Moana. Or you could explore ideas of how people are connected to the moana / ocean.