

Activity Title:

Create your own beach case study

Focusing questions

What is happening on our local beach?

What action is being, and can be, taken to protect and enhance the beach environment?

Resources required

- A3 paper
- Pens
- Inquiry template – page 277
- Copying: copy the inquiry template or project a digital image and get students to draw their own.

Prior learning

- 2e Plants of the local sand dune community
- 3c How we feel about and value the beach
- 4a Importance of sand dunes
- 4d Role of plants in dunes
- 5a The past – how have people affected beaches?
- 5b How do people affect beaches?
- 6a Reducing human impacts
- 6e Coast Care
- 6j Coastal protection – different management options
- 6k Beach management case study – Ōhiwa

Method

- 1 The objective of the activity is to research a local beach and develop a case study of beach and coastal management. This activity is designed to be student directed but additional teacher input and guidance should be provided as required.
- 2 The exercise can be conducted as a class or in small groups. If conducting the exercise in groups, then ideally each group will research a different beach or area of beach.
- 3 In small groups conduct a brainstorm of existing knowledge about the local beach. The **inquiry template** can be used to guide the inquiry and/or ask the following questions:

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Environmental Education Aspect:

For/With the environment

Environmental Education Concept:

- Personal and social responsibility for action
- Sustainability
- Interdependence

Curriculum Links:

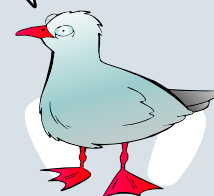
- Social Science

Suggested Curriculum Level:

Any

SUSTAINABILITY TIP!

Project a digital image of the inquiry template and get students to create their own version of this on re-used paper or card.



- What do we know about the beach? (Including: history, the animals and plants that live there, current and past use, erosion, issues facing the beach...)
 - What do we know about the people who use the beach? (How do they value the beach? How do they use the beach? How is the beach managed? Is there conflict over how the beach should be managed?...)
- 4 Identify what gaps exist in the group's knowledge. How might this information be gained?
 - 5 Collect additional information about the beach.
 - 6 Once all information has been collected consider the following:
 - What action can we take to better manage this beach?
 - What lessons can be learned from this case study and the management of this beach for other local beaches?
 - 7 Prepare to present the case study to the rest of the class (or if this has been a class exercise to another class or community group). The presentation could take one of the following formats:
 - A poster
 - An oral and visual presentation using PowerPoint slides
 - A speech
 - A skit or role play
 - A research report
 - A song or short play
 - A short story

Possible next steps

- 6m Developing a plan for action to protect the local beach – an activity designed to draw together learning from the six themes. The activity requires reflection on what has been learned, inquiry into the state of a local beach and development and implementation of a plan for action for beach protection/enhancement.



Inquiry template

