

**Activity Title:**

# Coastal protection – different management options

## Focusing question

What coastal protection management options exist and how effective are they?

## Resources required

- PowerPoint presentation – 6j Coastal protection management options
- A3 paper
- Pens

## Prior learning

5a The past – how have people affected beaches?

6e Coast Care

## Method

- 1 The objective of this activity is to explore some of the coastal protection management options that exist and to investigate how effective each of these options might be.
- 2 View the PowerPoint presentation **6j Coastal protection management options** before viewing with the class. Identify questions to ask and good stopping points.
- 3 View the PowerPoint presentation as a class. In small groups with pen and paper, for each example shown, use inquiry based questioning to explore:
  - What protection/enhancement/management options have been used to manage coastal erosion?
  - How effective do you think this management option has been – what are the advantages and disadvantages of this approach?
- 4 Review findings from each group.
- 5 Discuss as a class:
  - The positive effects we can have on the beach environment and the choices we can make.
  - The aesthetics of these choices and how they may diminish or enhance our value in and enjoyment of the beach environment.

## Possible next steps

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**Environmental Education Aspect:**

About the environment

**Environmental Education Concept:**

- Sustainability
- Interdependence

**Curriculum Links:**

- Social Science

**Suggested Curriculum Level:**

Any

- 6k Beach management case study – Ōhiwa – a problem solving activity using a real life case study.
- 6l Create your own beach case study – a student directed research activity requiring an investigation into a local beach, how it is being managed, what issues face that beach and how these might be resolved.
- 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 also the development and implementation of a plan for action to protect/enhance the beach.