

Activity Title:

Parts of the beach and human activities

Focusing question

How do humans use the beach environment?

Resources required

- Y diagram – page 128
- Pens
- Teacher notes – activities people do at the beach – page 127
- Copying: copy enough Y diagrams for each small group

Prior learning

1c Beach diagram

Method

- 1 The objective of this activity is to get students thinking about how humans use the beach environment.
- 2 Discuss with students the different parts of the beach that are used by humans – for example, the dunes, the beach and the water.
- 3 In small groups use the Y diagram to brainstorm and record what activities human beings currently do in each of the following three areas of the beach environment: the water, the beach and the dunes. List uses for each area in one of the three spaces on the Y diagram.
- 4 Small groups report their list of uses back to the rest of the class.
- 5 Consider:
 - Did all groups come up with the same uses?
 - Which uses are most common in the Bay of Plenty? How is this different to uses that might exist in other countries or beaches on the West Coast?
 - What are the implications for the beach environment of some of these uses?
 - Which uses are environment friendly and which activities might have a negative impact on the environment?

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Environmental Education Aspect:

About the environment

Environmental Education Concept:

- Interdependence

Curriculum Links:

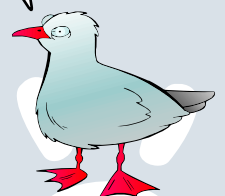
- Social Science

Suggested Curriculum Level:

Any

SUSTAINABILITY TIP!

Instead of photocopying Y diagrams, get students to create their own on the back of scrap paper.



Possible next steps

- 5b How do people affect beaches? – an introductory activity looking at how people affect beaches and what actions people have taken to protect dunes.
- 5c Positive and negative beach use posters – an activity looking at the different effects of human activities – positive and negative.
- 6a Reducing human impacts – a brainstorming activity that looks at different actions we can take to reduce human impact on sand dunes.
- 6b Dune use management and different parts of the beach – a hands on activity to develop a beach management plan determining what activities are appropriate for different parts of the beach.



Teacher notes:

Activities people do at the beach

Answers may include:

Dunes	Water	Beach
Collecting pīngao and other plants for weaving kete or whāriki	Surfing	Collecting kai moana
Motor biking	Swimming	Walking
Horse riding	Kayaking	Playing frisbee
Walking	Jetskiing	Playing volleyball
Running	Motorboating	Collecting shells
Picnicking	Collecting kai moana	Sunbathing
Building houses	Fishing – surf casting	Surfcasting
Building carparks	Fishing – long lining	Picnicking
Sand boarding		Collecting driftwood
		Running
		Building sandcastles

Y Diagram

