

Activity Title:

Climate change

Focusing question

How might sand dune conservation help to reduce the impact of climate change?

Resources required

- PowerPoint presentation – 5h Climate change and the beach

Prior learning

4a Importance of sand dunes

4b Dune formation

4d Role of plants in dunes

Method

- 1 The objective of this activity is to explore the relationship between climate change and the beach and investigate how sand dune conservation might help reduce the impact of climate change.
- 2 View the PowerPoint presentation **5h Climate change and the beach** before using it with the class. Identify good places to stop for discussion. Have some questions already identified.
- 3 View the PowerPoint presentation stopping for discussion and questions as appropriate.
- 4 Discussion:
 - What are the implications of climate change for the coast?
 - How can coastal management reduce or mitigate the effects of climate change?
 - What can you do to help prevent climate change and reduce carbon dioxide emissions?

Possible next steps

- 5i Impacting interconnectedness – a game exploring what interconnections exist between biotic and abiotic factors of the dune environment and how these interconnections can be affected and altered by human and natural induced changes.
- 6a Reducing human impacts – building on some of the questions raised in activity 5h, activity 6a requires students to brainstorm what individuals, groups and communities can do to reduce impacts and enhance the beach environment?

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Environmental Education Aspect:

About the environment

Environmental Education Concept:

- Sustainability
- Interdependence

Curriculum Links:

- Social Science
- Science

Suggested

Curriculum Level:

Any