



Stage 5

Geography: Coastal Change and Management (Stockton Beach)

Geography outcomes

GE5-2 explains processes and influences that form and transform places and environments
GE5-3 analyses the effect of interactions and connections between people, places and environments
GE5-4 accounts for perspectives of people and organisations on a range of geographical issues
GE5-5 assesses management strategies for places and environments for their sustainability
GE5-8 communicates geographical information to a range of audiences using a variety of strategies

Key Inquiry Questions

- How do environments function?
- How do people's worldviews affect their attitudes to and use of environments?
- What are the causes and consequences of change in environments and how can this change be managed?
- Why is an understanding of environmental processes and interconnections essential for sustainable management of environments?

Content

Investigative study - students:

- investigate the biophysical processes essential to the functioning of the selected environment
- investigate the causes, extent and consequences of the environmental change
- investigate the management of the environmental change

Learning across the curriculum: 🌀 Critical and creative thinking 🇦🇺 Civics and citizenship, 🌱 Sustainability

Program Description

Students investigate causes, extent and consequences of human induced environmental change at Stockton Beach. Students discuss biophysical processes and collect data on the physical environment. They investigate and evaluate the management of environmental change in this coastal environment.

The program will include:

- Introduction
- Observing, describing and evaluating environmental management and change at this location
- Data collection on aspects of the physical environment (e.g. Air temperature, humidity, wind speed, wind direction, long shore drift direction) and discussion biophysical processes
- Construction of a vegetation transect using a vegetation field guide
- Conduct an investigation of micro and macro plastics at this location
- Field sketch
- Examination of coastal processes

This is a 4 hour field work program conducted at Stockton Beach.

The basic program will be changed to suit larger groups or weather conditions.

Location

Stockton Beach, Newcastle

The start and finish point for this excursion is Stockton Beach Surf Club.

Site Description

Fieldwork is conducted at Stockton Beach, in the dunes and on the beach. Although the students are working in a public area they remain in groups at all times.

Excursion information

What to bring: Printed worksheets, clipboard and pencils, recess and lunch, refillable water bottle, hat, sunscreen, covered walking shoes plus any special requirements of the group. Wet weather gear when necessary.

Wetlands EEC is a NSW Department school and staff are trained DoE teachers specialising in Environmental Education.

Wetlands EEC teachers rely on the participation of visiting teachers to meet recommended supervision levels. Visiting teachers are ultimately responsible for behaviour of students, students with existing medical conditions or special needs.