



Program Overview

Students will conduct a Geographical Inquiry into changes over time in the management and use of the mangrove ecosystem at Bobbin Head. They will acquire, process and communicate Geographical information to answer inquiry questions about Aboriginal, 1930s, current and future management of mangrove ecosystems and differing stakeholder perspectives.

Inquiry Questions

1. What is the role and importance of mangrove environments?
2. What human-induced changes have there been to the mangroves at Bobbin Head?
3. What different world-views are there about the management and use of mangroves?

Learning Experiences

Mangrove Investigation

Students will investigate the features of mangroves ecosystems, including crab and mangrove identification activities, to gain an understanding of how mangroves ecosystems function. They will collect information displayed in the park on the importance of mangroves.

Aboriginal Perspectives

Students will visit an Aboriginal midden and investigate what it can tell us about Aboriginal uses and management of mangroves.

Changes over time

Students will complete a field sketch, study maps and compare photographs from the 1930 with observations of the mangrove forest today to deduce how world-views and management of mangroves has changed over time.

Threats and Management

Students will gather data on current uses and attitudes towards mangroves and propose future management strategies especially with relation to sea levels rising and contamination from microplastics.

Key Syllabus Outcomes and Content

Geography 7-10

Environmental Change and Management GE5-2, GE5-3, GE5-4, GE5-7, GE5-8

Environments

Students:

- investigate the role and importance of natural environments, for example:
- Identification of the function of natural environments in supporting life

Environmental change

Students:

- investigate human-induced environmental changes across a range of scales, for example: (ACHGK070)
- brief examination of types, and extent, of environmental change

Environmental management

Students:

- investigate environmental management, including different worldviews and the management approaches of Aboriginal and Torres Strait Islander Peoples, for example: (ACHGK071, ACHGK072)
- discussion of varying environmental management approaches and perspectives