

# Kamay Botany Bay Environmental Education Centre

## Excursion outline

### Stage 5: Environmental Change and Management at Bate Bay

Students will gather and process data relevant to coastal management of this area.

A major Australian environmental concern has become the effect that development has had and is having on our coastline. The major issues are:

- Habitat destruction (loss of native flora and fauna);
- Pollution of inshore waters by sewage, farming and industrial effluent;
- The damage and destruction of dune systems and the resulting impact on sandy shores/beaches.

#### *Geography Syllabus 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
- GE5-5 assesses management strategies for places and environments for their sustainability
- GE5-7 acquires and processes geographical information by selecting and using appropriate and relevant geographical tools for inquiry

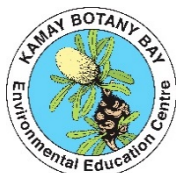
#### Key Inquiry Questions:

- 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 interconnectedness essential for sustainable management of environments?

During the fieldwork students will consider the following focus questions:

- \* How does this coastal environment function?
- \* What are the causes and consequences of change at the site and how changes can be managed?
- \* How do people's worldviews affect their attitudes towards and uses of environment?
- \* Why is an understanding of environmental processes and interconnections essential for sustainable management of environments?

Students will measure and gather data at the site. They will complete investigations along a transect, use a GPS device to locate a position and collect data, create model dunes to understand the geographical processes and biophysical processes essential to the functioning of the sand dunes, complete a field sketch and examine the Sea Bee wall.



Kamay Botany Bay Environmental Education Centre

PO Box 375, Kurnell, NSW, 2231

P 9668 9889 Email: [kamaybotany-e.school@det.nsw.edu.au](mailto:kamaybotany-e.school@det.nsw.edu.au)

Website: [www.botanybay-e.schools.nsw.edu.au](http://www.botanybay-e.schools.nsw.edu.au)



Education

# Kamay Botany Bay Environmental Education Centre

## Excursion outline

### Booking Information

<b>Location</b>	Bate Bay, Cronulla
<b>Bus booking</b>	Drop off at Wanda Surf Club and pick up at North Cronulla Surf club
<b>Timing</b>	Ideally schools should allow 4 hours for the program, including meal and toilet breaks.
<b>Bring</b>	Medications, food, water, sunblock, hats and wet weather gear
<b>Appropriate dress</b>	Students should wear clothing/shoes suited to working in an outdoor environment and appropriate to the season.
<b>Staffing</b>	The EEC complies with NSW DEC policy for a student/adult ratio of 15:1 for bushwalking. Parent helpers welcome, no pre-schoolers.
<b>Extreme or wet weather</b>	May result in the excursion being modified, postponed or cancelled. An out of hours contact number will be supplied in your booking information.
<b>Medical or special needs</b>	Please notify EEC staff at time of booking
<b>Risk Management Guidelines</b>	Will be provided at the time of booking
<b>Excursion Pack</b>	Teacher background notes and digital worksheets will be provided (nb worksheets must be printed and brought on the day).

### References

- [Coastal Dune Management](#)