

# Kamay Botany Bay Environmental Education Centre

## Excursion outline

### Stage 6

### Earth's Natural Systems

#### Location

Don Lucas Reserve, Cronulla (Bate Bay)

#### Overview:

This excursion will give students the opportunity to explore and investigate the heritage listed Cronulla Sand Dune which is part of the Bate Bay coastal dune system. Students will gather geographical evidence to help them understand which natural processes, cycles and circulations have shaped this environment.

#### Outcomes:

- GE-11-02 analyses geographical processes and influences, at a range of scales, that form and transform places and environments
- GE-11-05 synthesises and evaluates relevant geographical information from a variety of sources
- GE-11-07 selects and applies geographical inquiry skills and tools, including spatial technologies, fieldwork, and ethical practices, to investigate places and environments

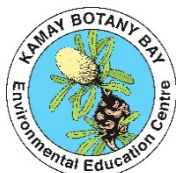
#### Key Inquiry questions:

- What natural processes, cycles and circulations have shaped the Coastal Dune system at Cronulla?
- How do the systems (atmospheric, hydrological, geomorphic and ecological) interact?

#### Students will:

- observe the geographical features of the coastal dune system at Bate Bay
- observe the natural processes that have help formed the dune system
- use a transect to collect primary data and consider the causes and effects of the natural processes, cycles and circulations
- complete a field sketch of the dune system landscape
- consider the interconnections between the Earth's natural systems that have been studied on the excursion

**Equipment needed:** Please bring ruler, pens, pencils and graph paper; cameras if wishing to use this method of recording information.



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Education

## Booking Information

<b>Location</b>	North Cronulla Heritage Dune, Cronulla
<b>Bus booking</b>	Meet at Don Lucas Reserve, Mitchell Road, Cronulla
<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).
<b>Expectations of visiting schools</b>	<ul style="list-style-type: none"> <li>• Visiting teachers will actively participate in all activities.</li> <li>• Whilst the EEC teacher is responsible for the general discipline of the day, the visiting teacher should be supportive and intervene if necessary if there is a difficulty with an individual student.</li> <li>• During recess and lunch breaks, both the visiting teacher and the EEC teacher are responsible for the control of the group.</li> <li>• Students should be reminded that all flora and fauna are protected and must not be damaged or disturbed.</li> </ul>

