

Kamay Botany Bay Environmental Education Centre

Excursion outline

Stage 4/5 Science From Bay to Beyond

Location

Kamay Botany Bay National Park, Kurnell

Overview:

From Bay to Beyond supports the living world content strand of Stage 4/5 science. It allows students to gather **first hand field work skills and experiences while learning** about the unique ecosystems of Kamay Botany Bay. Students will perform measurement tasks and carry out activities that explore both the coastal rock platform and coastal woodland ecosystems.

This unique program combines perspectives of traditional Aboriginal land management and sustainability integrated with hands on science skills and content.

Outcomes:

Stage 4

SC4-14LW relates the structure and function of living things to their classification, survival and reproduction.

LW1 There are differences within and between groups of organisms, classification helps organise this diversity.

Stage 5

SC5-14LW analyses interactions between components and processes within biological systems.

LW2 Conserving and maintaining the quality and sustainability of the environment requires scientific understanding of interactions within the cycling of matter and the flow of energy through ecosystems.

Students will:

- describe adaptations of living things to factors in their environment
- explore the effects of bushfire, drought and flood on Australian ecosystems
- use keys to identify living organisms
- use scientific equipment to measure abiotic factors of a marine and woodland ecosystem
- complete sketches of natural flora
- investigate a rocky platform

Learning across the curriculum content:

- Aboriginal and Torres Strait Islander histories and cultures
- Sustainability
- Literacy
- Numeracy
- Critical and creative thinking
- Difference and diversity

Booking Information:

Location	Kamay Botany Bay National Park, Kurnell 21 Cape Solander Drive, Kurnell
Bus booking	Drop off and pick up at The Visitor Centre, Kamay Botany Bay National Park
Timing	Ideally schools should allow 4 hours for the program, including meal and toilet breaks.
Student checklist	<input type="checkbox"/> low waste lunch and recess (reusable containers, no plastic wrap) <input type="checkbox"/> refillable water bottle (Kamay Botany Bay National Park has a refillable water station) <input type="checkbox"/> hat <input type="checkbox"/> sunscreen <input type="checkbox"/> school or sports uniform (sports uniform preferable) <input type="checkbox"/> sturdy, enclosed walking shoes <input type="checkbox"/> backpack and raincoat (no plastic bags)
Teacher checklist	<input type="checkbox"/> students' prescribed medication and health action plans <input type="checkbox"/> First aid kit <input type="checkbox"/> General use EpiPen
Staffing	The EEC complies with NSW DoE policy for a student/adult ratio of 15:1 for bushwalking. Parent helpers welcome, no pre-schoolers.
Medical or special needs	Please notify Kamay Botany Bay EEC staff at time of booking.
Risk Management Guidelines	RMG will be provided at the time of booking
Excursion pack	See KBBEEC website /resources for teacher background notes. Bring a camera, iPad or phone to photograph the students during the day.

Weather

In the event of extreme weather conditions,
please phone or text 0477 742 281

Bushfire

During bushfire season (approximately 1 October-31 March), check [Rural Fire Service fire danger rating](#). During catastrophic ratings, the park and centre are closed. Kamay Botany Bay Environmental Education Centre fieldtrip experiences will be postponed. During extreme or severe conditions, fieldtrip experiences and locations may be cancelled or modified to ensure the safety of all students and staff.



Buses should drop off students in the designated bus bay, located near the EEC.

Buses should then move to the parallel parking bays on Solander Drive.

Buses generally take 10 minutes to drive from Cronulla High School to Kurnell.