

Kamay Botany Bay Environmental Education Centre

Excursion outline

K-6 Wetlands experience



Location

Woolooware Wader Lagoon and Bonna Point Reserve, Kurnell

Overview

This excursion will provide primary school students with an opportunity to explore Woolooware Wader Lagoon and Bonna Point Reserve in Kurnell, immersing them in the unique ecosystems of these wetlands. Through observation, inquiry, and hands-on activities, students will learn about the importance of wetlands in the natural environment.

This excursion to Woolooware Wader Lagoon and Bonna Point Reserve aims to provide students with an immersive educational experience that deepens their understanding of wetland ecosystems. By integrating classroom learning with field activities, students will develop critical thinking skills and a sense of responsibility towards environmental conservation.

Outcomes

Science and Technology K-6

Living World

STe-3LW-ST: Identifies and explores the observable features of living things and objects.

- **ST1-4LW-S:** Describes observable features of living things and their environments.
- **ST2-4LW-S:** Describes how living things depend on each other and the environment to survive.
- **ST3-4LW-S:** Explains how the environment affects the growth, survival, and adaptation of living things.

Geography K-10

- **Places are Similar and Different**
 - **GE1-1:** Describes features of places and the connections people have with places.
 - **GE1-2:** Identifies ways in which people interact with and care for places.
 - **GE1-3:** Communicates geographical information and uses geographical tools.
- **The Earth's Environment**
 - **GE2-1:** Examines features and characteristics of places and environments.
 - **GE2-2:** Describes the ways people, places, and environments interact.
 - **GE2-3:** Examines differing perceptions about the management of places and environments.
- **Factors that Shape Places**
 - **GE3-1:** Describes the diverse features and characteristics of places and environments.
 - **GE3-2:** Explains interactions and connections between people, places, and environments.
 - **GE3-3:** Compares and contrasts influences on the management of places and environments.

Key Inquiry questions

- What are wetlands, and why are they important to our environment?
- How do living organisms adapt to survive in wetland habitats?
- How can we group *birds*?
- How are environments and *birds* interdependent?
- What actions can we take to protect and conserve our wetlands?

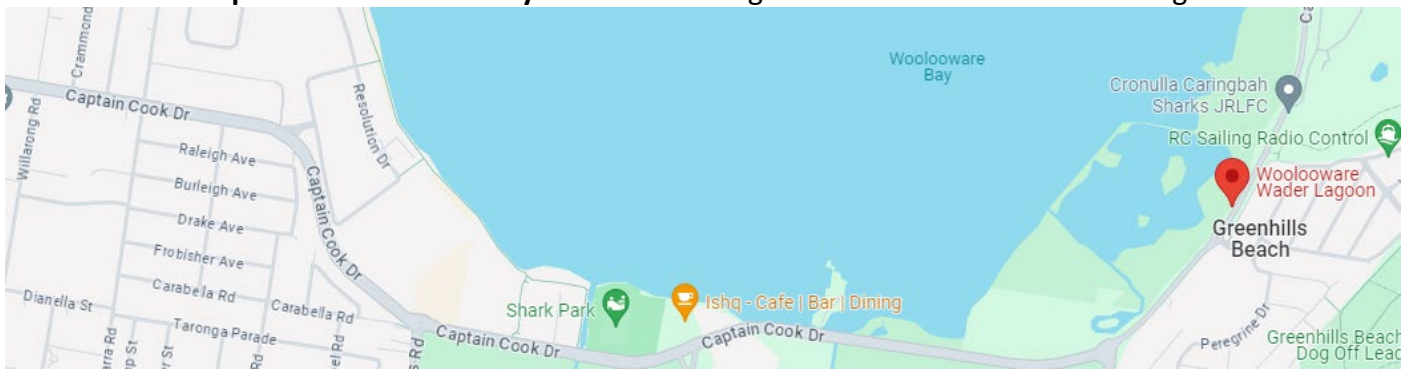
Students will

- **Introduction to Wetlands (Classroom):**
 - Begin with a brief introduction to wetlands, discussing their features, significance, and the specific sites of Woolooware Wader Lagoon and Bonna Point.
 - Utilize multimedia presentations to show images and videos of the wetlands.
- **Field Observation at Woolooware Wader Lagoon:**
 - **visit** of the Woolooware Wader Lagoon Viewing Platform with a focus on identifying plant and animal species.
 - Use of **binoculars** to observe bird species and plant life.
 - Discussion on the **importance of wetlands** for bird migration and habitat, focusing on adaptations of species such as mangroves and shorebirds.
- **Interactive Learning at Bonna Point:**
 - **Creative Arts activity** completing a scientific bird sketch
 - **Birdwatching session** with identification guides for students to recognise different bird species.
 - **Participate in a beak game** that develops students' skills in learning about birds' adaptations
 - **Exploration** of the mangrove area, beach and woodland ecosystems with discussions on the role of mangroves in **coastal protection** and **ecosystem health**.
- **Reflection and Discussion (On-Site and classroom):**
 - Students will share their observations and findings from the day.
 - Group discussion on how to implement **sustainable practices** to protect wetlands.
 - Develop action plans for raising awareness about wetland conservation, potentially linking to community projects.

Learning across the curriculum content:

- Aboriginal and Torres Strait Islander histories and cultures
- Sustainability
- Literacy and numeracy
- Critical and creative thinking

Buses should drop off students and stay whilst students go to the Woollooware Wader Lagoon



Bonna Point Reserve, Kurnell-Prince Charles Parade, Kurnell NSW

Buses should drop off students in the designated bus bay, located near the boat and trailer car park



Booking Information

Location	Drop and stay at Woollooware Wader Lagoon then go to Bonna Point Reserve, Kurnell Prince Charles Parade, Kurnell
Bus booking	Drop off and pick up at Bonna Point Reserve, Kurnell Prince Charles Parade, Kurnell
Timing	Ideally schools should allow 4 hours for the program, including meal and toilet breaks.
Student checklist	<ul style="list-style-type: none"><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	<ul style="list-style-type: none"><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 KBEEC 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.