

SAY G'DAY

TO BOTANY BAY!

**MEET
PERCY**

Our resident
brush-tail possum!

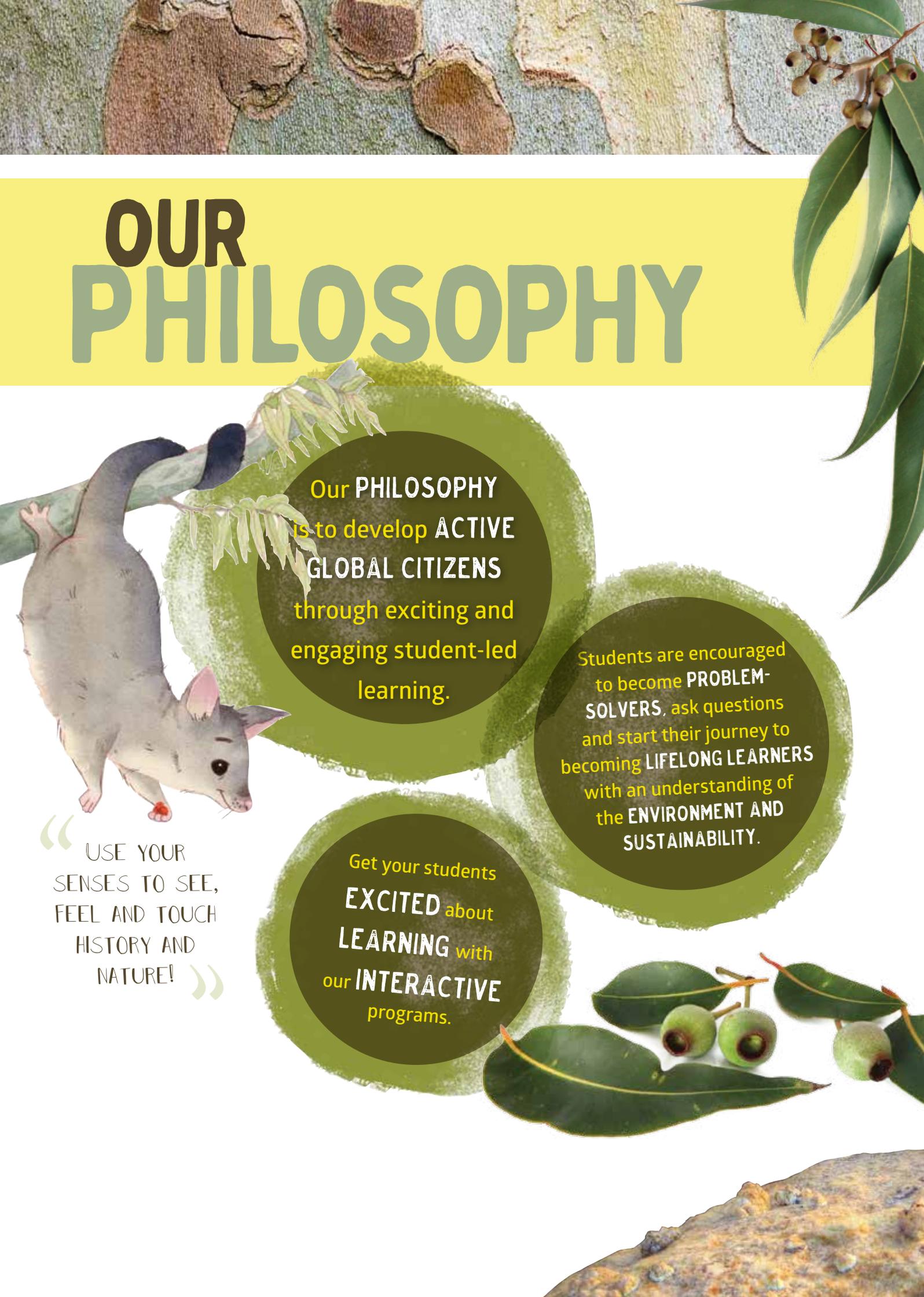
**STUDENT-LED EDUCATION
THAT EXCITES AND INSPIRES**



Education

www.botanybay-e.schools.nsw.edu.au





OUR PHILOSOPHY



Our **PHILOSOPHY** is to develop **ACTIVE GLOBAL CITIZENS** through exciting and engaging student-led learning.

Students are encouraged to become **PROBLEM-SOLVERS**, ask questions and start their journey to becoming **LIFELONG LEARNERS** with an understanding of the **ENVIRONMENT AND SUSTAINABILITY**.

“ USE YOUR SENSES TO SEE, FEEL AND TOUCH HISTORY AND NATURE! ”

Get your students **EXCITED** about **LEARNING** with our **INTERACTIVE** programs.





OUR BACKGROUND

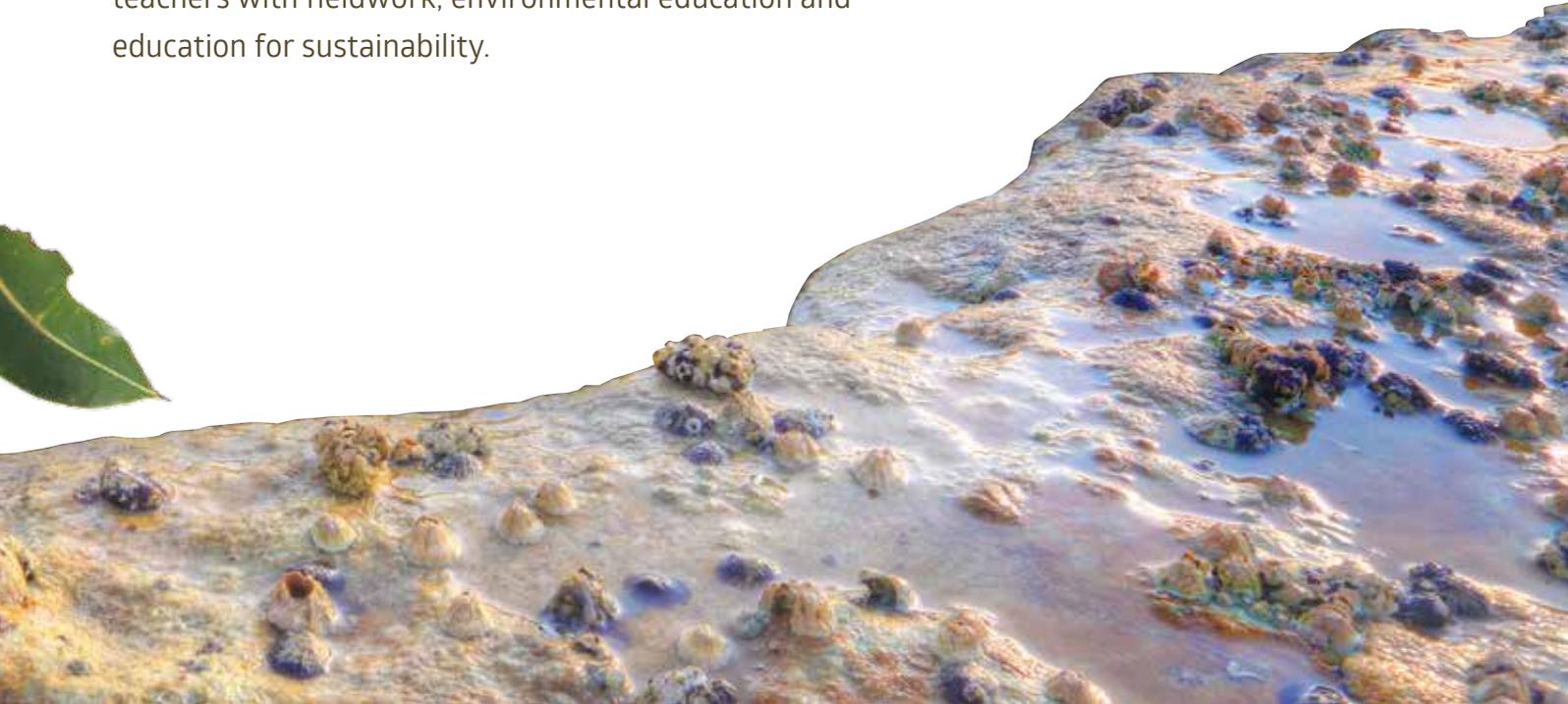
We have been leading groups of Australian students through woodlands, heaths, wetlands and coastal rainforests and engaging them with our natural and cultural history for **more than 20 years**. In fact, we were one of the **first in Australia** to offer this type of hands-on education experience!

You'll find us in the Visitor Centre of the stunning Kamay Botany Bay National Park at Kurnell in southern Sydney. The site has an amazing history as the point of first contact between Captain James Cook and the crew of the Endeavour with the Aboriginal people of the Dharawal nation.

As one of 25 centres operated by the NSW Department of Education, we help students and teachers with fieldwork, environmental education and education for sustainability.



“ BBECC KNOWS
THEIR STUFF WITH
OVER 20 YEARS'
EXPERIENCE! ”





WHY CHOOSE US?

- Fun, activity-based experiences in-line with the school curriculum.
- Our enthusiastic and engaging teachers will keep the students focused and entertained.
- Students will stand on the landing place of Captain Cook's Endeavour and imagine what the Aboriginal people and the British crew must have been seeing, thinking and feeling.
- Our excursions include walks through the diverse terrain of wetland, woodland and heath. Students will learn first-hand how these natural systems work and how they are impacted by human activity.
- Our programs are open for all Department of Education Schools from K-12.
- We can provide you with complete risk management details in compliance with NSW Department of Education.

OUR EXCURSIONS AND
INCURSIONS COMPLEMENT
WHAT IS BEING TAUGHT IN
YOUR CLASSROOM.



INCREDIBLE INCURSIONS

STAGE 1
INCURSION

INCREDIBLE INVERTEBRATES

TOUCH A
WORM AND
LEARN!

A WORM INCURSION!

- >> In this hands-on experience students will learn about the anatomy of worms and what makes them invertebrates.
- >> Discover where there are worms in your school grounds.
- >> Learn what makes worms so important to humans.
- >> Students will find out how worms behave and why.
- >> Your students will love creating their own craft worms and exploring what they have learned about worms during our nature play activity.



How does this incursion meet curriculum requirements?

- STe-8NE – Identifies the needs of living things



ACTIVE ANTS

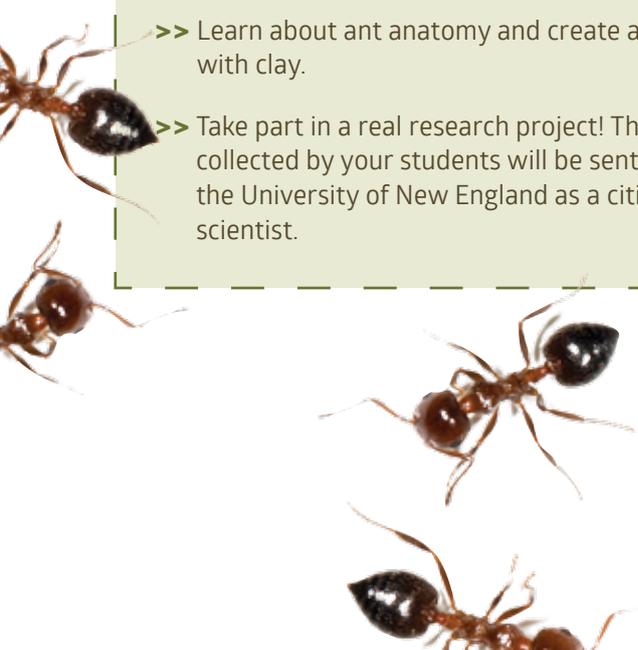
- >> Discover life from an ant's point of view.
- >> Learn about ant anatomy and create an ant with clay.
- >> Take part in a real research project! The data collected by your students will be sent to the University of New England as a citizen scientist.

STAGE 1
INCURSION

SCHOOLYARD SAFARI

- >> Discover the amazing invertebrates in the trees and leaf litter at your own school.
- >> Find, capture and study these incredible creatures.
- >> Students will examine their invertebrates up close, using magnifying glasses and iPads connected to a data projector.

STAGE 1
INCURSION



INCREDIBLE INCURSIONS

EARLY
STAGE 1
INCURSION

LOCAL PLACES

- >> Following clues from a special message, students will explore their school or park and make some exciting discoveries about their local place!
- >> Playing in nature brings it alive so students develop a connection with their local place.
- >> Students learn why their local place needs them and discover ways to look after their important place.

LET'S BE
DETECTIVES!

- >> After the adventure, your students will create a written story about what they have seen and discovered, and create a map of tracing their journey through their local place.



How does this incursion meet curriculum requirements?

- Local Places is designed to meet Geography requirements of the National Curriculum.
- GEe-1 – Identifies places and develops an understanding of the importance of places to people.
- GEe-2 – Communicates geographical information and uses geographical tools.
- Perspectives of traditional Aboriginal life are integrated throughout this incursion.



EXCELLENT EXCURSIONS

FEATURES OF PLACES

STAGE 1
EXCURSION

SEE, HEAR,
SMELL, TASTE
AND TOUCH!

- >> Students become explorers and journey on foot through Kamay Botany Bay National Park.
- >> Their adventure will take them through parkland, to the shore of Botany Bay to explore a rock platform and on a bushwalk through woodland.
- >> All their senses will be engaged. Students will see, hear, smell, taste and touch to learn about the place they are exploring.
- >> Students will discover some of the animals and plants that live in each of these different habitats and teach them how to describe the areas they visit.
- >> Discover what activities take place in each of these areas and how people can care for them.
- >> Learn about the ways Aboriginal people use places and what they think about them.
- >> Find out how to understand and use geographical information tools.
- >> Make connections between other places they know and Kamay Botany Bay National Park.

How does this excursion meet curriculum requirements?

- GEE-1 – Identifies places and develops an understanding of the importance of places to people.
- GEE-2 – Communicates geographical information and uses geographical tools.
- STE-8NE – Identifies the needs of living things
- Perspectives of traditional Aboriginal life are integrated throughout this excursion.

COME ON A
SCAVENGER HUNT
WITH ME!



STAGE 1
EXCURSION

STAGE 1
EXCURSION

LIVING WORLD

- >> Students love our scavenger hunt for natural items and natural art project.
- >> Discover animals and plants that are found in bushland and coastal environments.
- >> This excursion is a fun way for students to learn how to classify animals.

THE PAST IN THE PRESENT

- >> Students will learn about Aboriginal living, first European contact, Alpha Farm from 1815 and present day activities in the National Park.
- >> Explore how people lived at different time periods by looking at real objects and evidence then dress up in period clothing from 1850s to 1900s!



EXCELLENT EXCURSIONS

STAGE 2 EXCURSION

FIRST CONTACTS

- >> Re-enact the first contact between Aboriginal people and Captain James Cook.
- >> Investigate and compare daily life for Aboriginal and European people.
- >> Get out and about on the Burrawang Walk to experience how the Dharawal people lived and

learn how they related to the land.

- >> Students will collect evidence to create their own Zine (small booklet).

HISTORY COMES TO LIFE AT KAMAY BOTANY BAY NATIONAL PARK!



How does this excursion meet curriculum requirements?

- HT2-3 - Describes people, events and actions related to world exploration and its effects
- HT2-5 - Applies skills of historical inquiry and communication
- Perspectives of traditional Aboriginal lifestyle are integrated throughout the program.

STAGE 2 EXCURSION

COMMUNITY & REMEMBRANCE

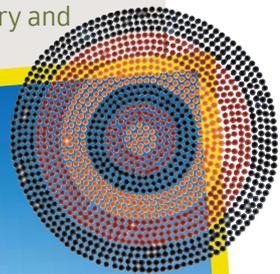
- >> Explore the rich cultural heritage of our historical site.
- >> Students will walk some of our tracks to discover who lived here first.

>> By exploring the environment, and primary and secondary sources, your students will find out how land-use at Botany Bay has changed over the years.

- >> Learn how to apply key historical concepts to the meeting of two cultures in 1770.

How does this excursion meet curriculum requirements?

- HT2-1 - Identifies celebrations and commemorations of significance in Australia and the world.
- HT2-2 - Describes and explains how significant individuals, groups and events contributed to changes in the local community over time.
- HT2-5 - Applies skills of historical inquiry and communication



EXCELLENT EXCURSIONS

STAGE 2
EXCURSION

PLACES ARE SIMILAR AND DIFFERENT

>> Students learn about why we have National Parks.

>> Find out how we protect the park, its plants, animals and cultural heritage.

>> Students see local flora, fauna and cultural features of Kamay Botany Bay National Park and reflect on the way in which Dharawal people used this area.

How does this excursion meet curriculum requirements?

- GE2-1 - Examines features and characteristics of places and environments
- GE2-3 - Examines differing perceptions about the management of places and environments
- **Supports Science:** Living World
- Perspectives of traditional Aboriginal lifestyle are integrated throughout the program.



NEW

PRIMARY CONNECTION LESSONS

Botany Bay EEC has developed excursions and incursions that align with the Primary Connections resources.

Our Primary Connections lessons have been designed to link to each stage, year, unit of work, specific lesson and page number.

We've done all the hard work for you, with a description of how each lesson will be conducted at Botany Bay EEC,

including student learning aims and learning activities.

For detailed descriptions of each of these lessons visit our website:

www.botanybay-e.schools.nsw.edu.au and search "Primary Connections"

STAGE 1

- On the move (Early Stage 1)
- Weather in my world (Early Stage 1)
- Up, down and all around
- Schoolyard Safari
- Waterworks

STAGE 2

- Feathers, fur or leaves?
- Plants in action
- Beneath our feet
- Friends or foes

STAGE 3

- Desert survivors



STAGE 3 EXCURSION

EXCELLENT EXCURSIONS

STAGE 3 KIDS
LOVE TO BECOME
SCIENTISTS FOR
THE DAY!



LIVING WORLD - COASTAL SURVIVORS

- >> Students will become scientists for the day!
- >> Investigate two different habitats in our park to discover how plants and animals have adapted to suit the place they live in.
- >> Visit rock pool and bushland ecosystems on an activity walk.
- >> Witness how structural features and adaptations help living things survive.
- >> Collect data to find out what adaptations plant and animal species have made to survive.

How does this excursion meet curriculum requirements?

- ST3-10LW – Describes how structural features and other adaptations of living things help them to survive in their environment.
- ST3-11LW - Describes some physical conditions of the environment and how these affect the growth and survival of living things.
- ST3-4WS - Working scientifically.
- Perspectives of traditional Aboriginal lifestyle are integrated throughout the program.



STAGE 3 EXCURSION

FACTORS THAT SHAPE PLACES

- >> Your students will become geographers for the day!
- >> Investigate the human impacts of life on the Kurnell peninsula through history.
- >> Investigate “How do people shape the shores of Botany Bay?”
- >> Collect, analyse and compile data as part of undertaking a feasibility study for the introduction of a ferry service to the area.

How does this excursion meet curriculum requirements?

- GE3-3 - Compares and contrasts influences on the management of places and environments
- GE3-4 - Acquires, processes and communicates geographical information using geographical tools for inquiry
- Perspectives of traditional Aboriginal lifestyle are integrated throughout the program.



EXCELLENT EXCURSIONS

STAGE 4 EXCURSION

WHAT LIES BENEATH?

- >> Explore and investigate the State Heritage Listed Kamay Botany Bay National Park.
- >> Gather geographical and historical evidence to make the case to have the site listed on the UNESCO World Heritage list.
- >> Students will visit the place of First Contact on Botany Bay, walk our tracks to discover bush food, and visit our museum to see murals and Aboriginal artefacts.

STAGE 4&5 EXCURSION

FROM BAY TO BEYOND

- >> Discover perspectives of traditional Aboriginal land management and sustainability integrated with hands-on fieldwork, science skills and content.
- >> Describe adaptations of living things; explore the effects of bushfire, drought and flood; identify living organisms and use scientific equipment to measure abiotic factors.

STAGE 5 EXCURSION

COASTAL MANAGEMENT

- >> Explore the effect that development has had (and is having) on our coastline.
- >> Investigate first-hand habitat destruction, pollution of inshore water and the damage of dune systems and shorelines.

STAGE 6 EXCURSION

LOCAL ECOSYSTEMS

- >> Explore interactions between biotic and abiotic factors of an intertidal rocky shore ecosystem.
- >> Observe and measure adaptations made by the main plant and animal species.
- >> Investigate human impacts, and the possible impacts of climate change.
- >> Students will come up with ideas about how these impacts could be reduced.

STAGE 6 EXCURSION

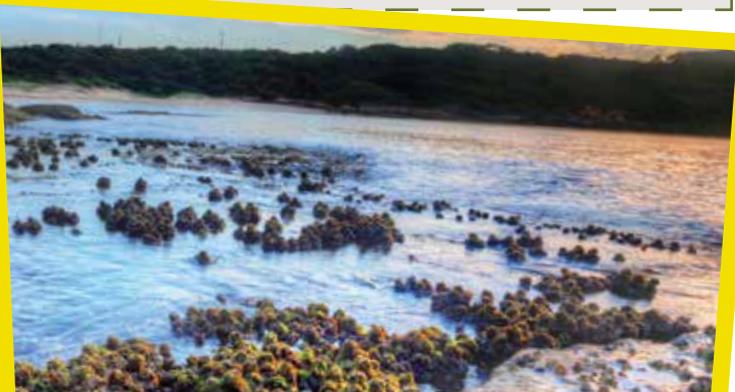
BIOPHYSICAL INTERACTIONS

- >> Visit the dune systems of Bate Bay.
- >> Students will carry out a geographical investigation of biophysical processes.
- >> Discover how to apply their findings to the sustainable management of sand dunes.

STAGE 6 EXCURSION

ECOSYSTEMS AT RISK

- >> Your study site will be either Towra Point Nature Reserve or Bate Bay.
- >> Measure and investigate the spatial patterns and dimensions of the site.
- >> Observe the effects of weather, climate, geomorphic, hydrologic processes, and natural stress.
- >> Discover how humans have impacted the ecosystem.
- >> Investigate and compare traditional and contemporary management practices.



MAKING A BOOKING

Our programs are open for all Department of Education schools from K-12.

To make a booking please call our office on 9668 2070 or email your enquiry to botanybay-e.school@det.nsw.edu.au

Programs book out quickly so please have a few dates in mind when you call us!

Please have this information handy when booking:

- School name and phone number
- Name of teacher in charge plus mobile contact
- Teacher's email address
- Number of students, Year and Program required
- up to 30 students will be charged per student
- up to 60 Students = 2 guided groups
- up to 90 Students = 3 guided groups



HOPE TO SEE
YOU SOON!