

ITINERARY

Mangroves and the Environment

Year 4 Program

Learning Intentions

Students, in the role of Junior Ecologists, participate in a range of activities in Moreton Bay and within mangroves to:

- Explore open ocean and mangrove ecosystems while using state-of-the-art scientific equipment and processes
- Sequence the key stages in the lifecycles of mangroves and crabs
- Identify the interconnections between plants, animals and the environment (food chains)
- Justify the importance of mangroves in Moreton Bay

“Inspiring Champions for the Bay”

Time	Activity
9.15	Students arrive at Bayside Park, corner Fairlead Crescent and The Esplanade, Manly (just in front of the Manly Jetty) and are met by Moreton Bay EEC teachers. Access to toilets.
9.15-11.30	Group A – Board boat <i>Inspiration</i> Welcome, introduction to today’s inquiry question: <i>How do crabs and mangroves depend on each other to survive?</i> <i>Gather information:</i> On Moreton Bay catch and research a selection of animals within the open ocean ecosystem. Identify organisms and study their lifecycles. Explore the feeding relationships that exist in the ocean ecosystem and links to the mangrove forest. <i>Morning Tea on board</i>
9.15-11:30	Group B – Bus to Wynnum North Mangrove Boardwalk Welcome, introduction to today’s inquiry question: <i>How do crabs and mangroves depend on each other to survive?</i> <i>Gather information:</i> Identify and explore the features, food webs and lifecycles of the mangrove ecosystem. Identify the special role mangroves play within the wider Moreton Bay ecosystem. <i>Morning Tea at boardwalk</i>
11.30-12.00	Lunch and toilet break at Bayside Park
12.00-2.00	Swap groups. Group A Board bus for Wynnum North Mangrove Boardwalk Group B Board boat <i>Inspiration</i>
2.00-2.15	<i>Student reflection:</i> In what ways are animals and plants interconnected within the environment? Are mangroves important to the health of ecosystems?
2.15	Board bus to return to school.

Students and adults will need:

- Covered footwear
- Sun-safe clothing and hat
- Sunscreen and insect repellent already applied
- Water bottle
- Morning tea and lunch

Litter-free Lunch

We encourage students and staff to pack a litter-free lunch. Everything in it can be re-used, composted or recycled. Drinks are brought in refillable bottles.



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Location Maps



Boat program:
Drop off and pick up at Bayside Park, Corner Fairlead Cr and Esplanade

Mangrove Boardwalk program:
Drop off and pick up at Elanora Park (off Granada St, Wynnnum North)



Moreton Bay
ENVIRONMENTAL EDUCATION CENTRE
Inspiring Champions for the Bay



Queensland Government

(07) 3906 9111
www.moretoneec.eq.edu.au
admin@moretoneec.eq.edu.au