

ITINERARY



Go with the flow

Year 2 Program

Learning Intentions

Students, in the role of Aquatic Scientists, participate in scientific activities to:

- Describe a 'catchment' and analyse how it functions taking water to Moreton Bay
- Investigate organisms that live in our local freshwater creeks
- Identify the stages of the water cycle and its relationship to our catchments
- Evaluate human impacts that may have caused changes to the creek bed and water quality
- Recommend and justify actions they and others can take to protect our catchments



*A native Crimson Spotted Rainbowfish, Rodney Rainbow, is woven into the students' journey across the day as they explore the health of Wynnum Creek.

"Inspiring Champions for the Bay"

Time	Activity	
9.15-9.30	Students arrive at Waterloo Bay Leisure Centre (241 Tingal Road, Wynnum) and are met by MBEEC staff.	
	ROTATION 1: Students work in two groups	
9.30-10.10	Group 1: Water Creatures Freshwater creature collection. Identification and species analysis to evaluate the health of the catchment.	Group 2: Creek Exploration Observe the shape of a catchment – including constructed vs natural structures and the impacts of these. Conduct a turbidity experiment to investigate water quality.
10.10-10.30	Morning tea and toilet break	
10.30-11.10	Group 1: Creek Exploration	Group 2: Water Creatures
11.10-11.30	Board the bus and proceed to Breakwater Park, Waterloo Esplanade, Wynnum.	
	ROTATION 2: Students work in two groups explore the mouth of Wynnum Creek.	
11.30-11.50	Group 1: Water Quality Investigate the water quality and environment at this site using scientific equipment. Conduct a turbidity experiment to investigate water quality.	Group 2: Evidence Walk Observe indicators of positive and negative impacts to waterways.
11.50-12.10	Group 1: Evidence Walk	Group 2: Water Quality
12.10-12.30	Board the bus and proceed to Moreton Bay EEC, 162 Stradbroke Avenue, Wynnum. Arrival: Investigate man-made structures that direct water in the Wynnum Creek Catchment.	
12.30-1.00	Lunch and toilet break	
	ROTATION 3: Students work in two groups to participate in the following activities.	
1.00-1.30	Group 1: Wonderful Water Students compare and contrast Moreton Bay EEC pond to Wynnum creek. They review the water cycle and identify native plants and animals. Myth bust the decomposition of waste and recycling.	Group 2: Student Inquiry Students undertake a filtration experiment to investigate how different natural materials clean turbid water. Using microscopes, students observe the properties of matter for filtering water.
1.30-2.00	Group 1: Student Inquiry	Group 2: Wonderful Water
2.00-2.15	Students consider and share their discoveries about the importance of water to living things. Students consider how they can actively care for and become Champions for Moreton Bay.	
2.15	Conclusion. Students board bus to return to school.	



ITINERARY

Students and adults will need:

- Enclosed shoes, suitable for walking
- 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.

Bus timetable and location map:

- 9.15 Drop students at the bus stop outside the Waterloo Bay Leisure Centre on Tingal Rd, Wynnum.
- 11.10 Pick-up students from the bus stop outside the Waterloo Bay Leisure Centre on Tingal Rd, Wynnum.
Drive them to Breakwater Park/Wynnum Creek mouth, on The Esplanade, Wynnum. Remain at location.
- 12.10 Students board bus and journey to the Moreton Bay Environmental Education Centre, 162 Stradbroke Ave, Wynnum.
- 2.15 Students board bus for journey back to school.

