

ITINERARY

Organising Organisms

Year 7 Program

Learning Intentions

Students, in the role of Ecologists, participate in a range of activities on Moreton Bay and St Helena Island to:

- Identify planktonic organisms and their observable physical characteristics
- Create a dichotomous key classifying plankton observed in the sample
- Identify species on St Helena Island and their feeding relationships
- Evaluate any impacts on the environment using the food web as a tool
- Develop and evaluate two strategies to manage these impacts

“Inspiring Champions for the Bay”

Time	Activity
9.15	Students board Inspiration at William Gunn Jetty Manly. Welcome. Safety briefing. Students head out into Moreton Bay (Quandamooka).
9.20-9.45	Orientation to Moreton Bay. Introduction to today’s inquiry questions: 1. <i>How can food webs be used to identify issues in an island ecosystem?</i> 2. <i>How can physical features of an organism be used for classification/key?</i>
9.45	Group A Disembark St Helena Island Group B Remain on Inspiration
9.45-11.45	Group A: On St Helena Island - identify organisms and what they feed on. Students investigate cause and effect relationships of various species. Understandings and analysis will be used to evaluate impacts and suggest future management strategies, including ethical considerations. Group B: On Moreton Bay - capture a selection of animals within the open bay ecosystem. Identify the organisms and note their physical features. Explore ways that these features can be used to create keys. <i>Morning Tea on board.</i>
11.45-12.15	Lunch and toilet break on St Helena Island
12.15-1.30	Swap groups Group A Board boat <i>Inspiration</i> Group B Remain on St Helena Island
1.30-2.15	<i>Student reflection.</i>
2.15	Disembark Inspiration at William Gunn Jetty 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.



Moreton Bay

ENVIRONMENTAL EDUCATION CENTRE

Inspiring Champions for the Bay



Queensland
Government

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Location Maps

William Gunn Jetty, Manly – Corner Fairlead Cres and Esplanade, Manly



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