

ITINERARY



Overboard and Underwater

Year 10 Program

Learning Intentions

As Environment Managers or Citizen Scientists, students will:

- Annotate maps identifying how rubbish moves through the system
- Record land use, observe marine debris and investigate possible impacts on marine environments
- Investigate how plastic interacts in a marine environment by collecting data and conducting a plankton trawl or sediment grab to find micro plastics
- Evaluate rubbish and other marine debris data by conducting a rubbish audit using a National Standard
- Analyse and interpret geographical data collected

NOTE: Rubbish Audit location will occur on St Helena Island or Wynnum Foreshore depending on conditions

Time	Activity
9.15	Students to meet at Bayside Park. Introductions to MBEEC staff.
9.30-10.00	Students explore Manly foreshore, survey land use, annotate maps and investigate how rubbish might travel through the environment.
10.00-10.15	Morning Tea and toilets
10.20-12.00	<i>Marine investigation and data collection.</i> Students board <i>Inspiration</i> , connect to place and observe environmental conditions of a marine environment. While on board, students collect abiotic data, analyse and sketch micro plastic samples and collect a marine sample. Using either a plankton sample or sediment grab, students examine this under microscopes, identifying and sketching micro plastics and living organisms.
12.00-12.30	Lunch and toilets on St Helena Island
12.30-1.30	<i>Citizen Science activity</i> – St Helena Island Rubbish Audit (contribute to Tangaroa Blue AMDI Database)
1.30-2.10	Board boat to return to Manly Harbour. Collate audit data and discuss findings. Investigate possible management strategies for reducing marine debris and micro plastics in Moreton Bay.
2.15	Board bus back to school.

“Inspiring Champions for the Bay”

Students will need:

- Clipboard and pencil
- 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
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**Queensland
Government**

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Location Maps

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



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