



Stage 4 – Geography Water In Our World

Incursion or Local Area Study

Program Overview

Water is one of our most valuable resources. Students will investigate a local creek or waterway including conducting habitat assessments and water quality tests to assess human impact and environmental health of this critical resource. A full day program can also include a school water audit.

Note: This field work can run in conjunction with a visit to Mardi Dam with Central Coast Council (bookings to Mardi Dam made through Council).

Key Questions:

1. How do natural and human processes influence the distribution of water as a resource?
2. What approaches can be used to sustainably manage water resources and reduce water scarcity?

Learning Experiences & Content

Geographical Tools

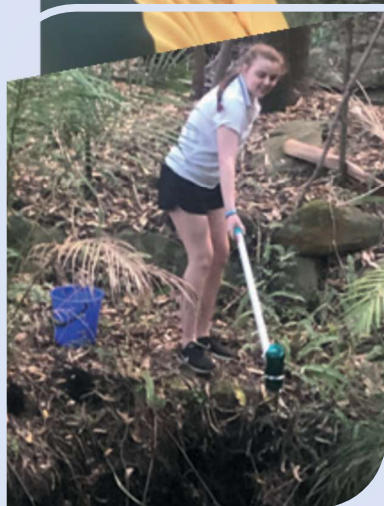
Students will use a variety of geographical tools to acquire, process and communicate geographical information such as maps, field sketches and water quality instruments e.g. turbidity tubes and pH strips.

Catchment Crawl

Students will participate in a catchment crawl. This includes assessing habitat and water quality at a number of locations along a local creek to investigate water quality (e.g. Narara Creek or Wyong River)

Water Audit

If your catchment tour is within walking distance of school the day can include an opportunity to assess water use at the school. Students will be shown how to



analyse school water bills and audit the number of taps and water sources in the school to search for leaks and wastage. This water audit is a local school incursion costing \$2.50 per student.



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Outcomes

Geography – Stage 6

A Student

- ✿ locates and describes the diverse features and characteristics of a range of places and environments **GE4-1**
- ✿ describes processes and influences that form and transform places and environments **GE4-2**
- ✿ explains how interactions and connections between people, places and environments result in change **GE4-3**
- ✿ discusses management of places and environments for their sustainability **GE4-5**
- ✿ acquires and processes geographical information by selecting and using geographical tools for inquiry **GE4-7**
- ✿ communicates geographical information using a variety of strategies **GE4-8**.

Water availability

Students:

- ✿ investigate sources of water in the world eg the local environment, Australia and other countries
- ✿ examine the water cycle.

Water for human use

Students:

- ✿ investigate the importance of water in sustaining life eg watering a plant, drinking water for animals
- ✿ explore different ways in which water is used eg at home, for recreation, for transport, in factories, businesses or in farming
- ✿ investigate sources of fresh water for human use.

