

## Booking Information

View available dates using the online [Availability Calendar](#). Contact the centre to make a booking.

### CONTACT

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*Connecting every learner to the natural world and inspiring change for a sustainable future.*



## Water in the World

The Hawkesbury Nepean River has been a vital part of our landscape for many thousands of years. It played a key role in the lives of Indigenous Darug People living in the area, the early European Settlers, and is important to many thousands of people today. This Geographical Inquiry will focus on the environmental and human processes that influence the availability and distribution of water, with a particular focus on the Hawkesbury River at Sackville North.

### Geographical Inquiry Questions

- How do natural and human processes influence the distribution and availability of water as a resource?
- What effect does the uneven distribution of water resources have on people, places and environments?

### Activities

**Topography** - Students learn about and identify examples of how topography and water shape landforms and influence stormwater erosion. They use GPS units to record elevation and understand topographic contour lines.

**Hawkesbury River Valley Cross-Section** - Using a topographic map, students create and label a cross-section of the landscape visible across the River.

**Vegetation** - Students assess the vegetation in a quadrat and evaluate the links between vegetation, erosion and water quality in the river.

**Water Quality of the Hawkesbury River** - Students test physical and chemical parameters of the river and discuss natural and human factors that may impact results.

### Syllabus Outcomes & Content

#### Outcomes:

- 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

#### Content:

- The water cycle
- Water scarcity and water management
- The value of water

#### Cross Curriculum Priorities

- Sustainability