

Earth's Natural Systems

Checking the Pulse of the Hawkesbury River



Using the series of lessons and corresponding fieldwork provided in this excursion, students will investigate the natural processes, cycles and circulations that have shaped the Hawkesbury River and its surrounding land as well as the impacts of human activities on this environment.

Maximum 3 classes per day. Information and bookings via our [Website](#)

Pre-Excursion Classwork

The [excursion website](#) contains resources, web links and lessons to support the fieldwork excursion and student understanding of the atmospheric, hydrological, geomorphic and ecological systems that have shaped the Hawkesbury River and its catchment.

Activities

River Geomorphology - Students learn to kayak and observe the geomorphic processes that form and transform the Hawkesbury River, and the role of healthy riparian zones in preventing erosion.

Hydrological Systems - Students investigate hydrological systems with the use of water quality testing equipment to test various physical and chemical parameters of the River.

Vegetation & River Health - Students use a transect to identify plant type and height to classify the vegetation type at Brewongle EEC and examine the importance of terrestrial vegetation to the health of the river.

Outcomes

GE-11-01, GE-11-02, GE-11-05, GE-11-07, GE-11-08, GE-11-09

Geographical tools

- Analyse and interpret various maps
- Use spatial information to determine connections, impacts and change over time
- Use fieldwork instruments to identify, collect and record geographical data and information

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