

BOOKING

SPECIAL PROGRAMS



Geography Programs 2021



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STAGE 5 Sustainable Biomes

Investigation of the human alteration of biomes to produce food (cattle) and the environmental effects of these alterations.

Location: Glenola Farm, Yarramalong.

Activities include:

- mapping the sustainability features of the farm;
- water testing and a cross section field sketch of Wyong River and
- measuring abiotic features to compare the difference between vegetated and cleared areas.

STAGE 6 Ecosystems at Risk

Avoca Lagoon: An investigation of urban impacts on water quality, the endangered Green and Gold Bell Frog and a kayak based survey of the endangered ecological communities.

Porters Creek Wetland: A study of the impacts and management of stormwater runoff from a rapidly expanding urban area.

Biophysical Interactions

Students will investigate the four components of the biophysical environment at Rumbaara Reserve. They will use collected data to consider the impacts of an increasing Central Coast population on Rumbalara Reserve and other reserves in the coastal Open Space System (COSS). This topic can also be adapted to Avoca Lagoon and Porters Creek wetland.

School Environmental Management

Sustainability in action. Assesses the school's use of resources using geographical tools and inquiry skills. Investigates:

- ◆ Waste systems;
- ◆ Energy use and efficiency;
- ◆ Water use and efficiency;
- ◆ Stormwater runoff including litter and
- ◆ Biodiversity and Landscapes.



Professional Learning by request.

Fieldwork skills, GIS/GPS technologies, environmental sustainability, local area history, landforms and issues.

Cost: \$5 per student, up to 60 students



**Education
Public Schools**



2021 FIELDWORK PROGRAMS GEOGRAPHY

STAGE 4 Landscapes and Landforms

An investigation of a forest landscape and its key characteristics.

Location: Wyrabalong North National Park or Bouddi National Park-Maitland Bay.

Activities include:

- a bush walk to identify human impacts and management and protection issues;
- investigation of Aboriginal use of the area and
- using geographical tools such as maps, compasses and field sketches.

Water In Our World

An investigation of water scarcity and water management on the Central Coast. Options include a visit to Mardi Dam and water testing at Wyong River. Another option is to conduct field work at a local waterway near your school.



STAGE 4 Place & Liveability

Students will use **Gosford CBD**, waterfront and Kibble Park to assess current initiatives to improve planning for Gosford.

The Gosford City Centre Urban Design Framework will be viewed and students will have the opportunity to view the planning precincts and discuss options for change.

Activities include:

- completing a place and liveability checklist for Gosford;
- applying geography skills e.g compass and orientation, surveys, field sketch, abiotic measurements and
- walking through Gosford CBD discussing past, present and future use.



STAGE 5 Environmental Change and Management

Investigation of the biophysical processors associated with coastal environments.

Location: Terrigal/Wamberal or Norah Head/Lakes Beach.

Students engage with the issues through authentic hands-on investigations:

- measuring beach characteristics (beach profile, vegetation transect, sand sizing, longshore drift, wind, waves etc);
- investigating the management of coastal erosion and the perspectives of different stakeholders;
- using geographical tools such as maps, compasses, field sketches and surveys and
- assessing water quality measures related to the Terrigal lagoon catchment.

