

## How the day works

- All equipment is supplied
- We provide a master copy of worksheets to be run off by schools
- Students with disabilities are catered for (where possible)
- Assessment task & extra information supplied for Stage 6 excursions
- Risk assessments supplied
- Post-excursion pack: answer sheets, extra information, and printed photos of the day
- Large groups of up to 180 can be catered for

## Techniques & equipment used by students on excursion include

- Landsat images, topographic maps, aerial photos & orthophoto maps
- Stereoscopes, sand sieves, soil moisture meters, soil depth spikes, soil & water pH kits, dissolved oxygen kits, conductivity meters, salinity refractometers, turbidity tubes, phosphate kits, thermometers, dichotomous keys, laser rangefinders, sound meters, light meters, clinometers & compasses

## Excursions offered

- Year 7-12 Geography syllabus
- See detailed excursion synopsis overleaf

## Virtual excursions

Visit some of NSW's most unique ecosystems and learn new fieldwork skills without leaving the classroom. Use online platforms to explore an environment in detail. Collect and analyse videos/photos of first-hand data with the same equipment used in in-situ excursions.

Virtual excursions can be used to complement local excursions and field studies. Our programs are convenient, offer flexible access and delivery, are visually engaging and easy to navigate. Programs also include assessment opportunities.

## Prices for 2021

- Year 7 to 10 excursions \$33 per student.
- Year 11 and 12 excursions \$35 per student.
- Some city excursions can include a ferry ride at an additional cost of \$2 per student.
- Mt Keira, Camp Couatts, Beaky Point and Cattai National Park have an additional cost of \$2 per student.
- Virtual excursions \$10 per student
- There is a minimum charge of \$500 per excursion for small groups. Schools may request to share an excursion with another school to reduce costs (if possible).
- A 10% G.S.T surcharge applies to all excursions
- A 25% holding deposit is required within two weeks of booking.

**Schools will be charged for the number of students booked unless notified 1 week prior to excursion date.**

We plan for a maximum ratio of 30 students to one staff member. If you would prefer a small class size, we can try to provide an additional Auseco staff member for \$400 +GST.

## Please note

Excursion dates will be held for two weeks without a deposit. Deposits are non-refundable if excursions are cancelled within four weeks of the excursion date. In case of bad weather, an excursion can be postponed on the day.

**COVID Safe Policy is available on our website.**

## To book and for further information:

Web: [www.auseco.com.au](http://www.auseco.com.au)  
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# AUSECO

*Specialists in Environmental Education*



## Geography Field Studies

## 2021

# Geography Excursions

Excursion	Level	Excursion Synopsis	Location	
<u>Landscapes and Landforms</u> *	YR 7- 8 Stage 4	Investigation of natural landforms, its geological and human history. Comparison of physical characteristics of two landscapes using a variety of field equipment. Use of maps and aerial photos to examine land uses & impacts. Observe geomorphic hazards at Long Reef and Mt Keira.	RIVER VALLEYS  COASTS ESCARPMENT	Bantry Bay Camp Coutts Camp Kedron Manly Dam Cattai NP Long Reef Mt Keira
<u>Water in the World</u>	Yr 7-8 Stage 4	Investigation of water on a global and regional scale. Comparison of two local creeks with tests including turbidity, water pH, soil pH and water bug catch. Use of satellite images and historical aerial photos.	CREEK VALLEY ► RESERVOIR	Manly Dam Memorial State Park Camp Coutts
<u>Place and Liveability</u> *	YR 7- 8 Stage 4	Investigation of the liveability of Millers Point, Milsons Point and Lavender Bay using sound, light and height meters plus student led surveys.	URBAN	Millers Point ► Lavender Bay
<u>Environmental Change and Management</u> *	YR 9 -10 Stage 5	<b>COASTAL:</b> Study of coastal land uses, sand dune profile, dune vegetation and elements shaping the coastline. Examination of human impacts & management strategies. <b>BUSHLAND:</b> Water pollution study with testing & comparison of two creeks. Examination of changes in land use, hazard reduction burns & management strategies. <b>RAINFOREST:</b> Study the origins and changes to the Mt Keira rainforest over time. Investigate the biospheric and lithospheric characteristics that allow rainforests to grow. Examination of rainforest management practices.	COASTAL  BUSHLAND  RAINFOREST	Cronulla Long Reef ► Collaroy  Bantry Bay Camp Coutts Camp Kedron Cattai NP Mt Keira
<u>Changing Places</u> *	YR 9 -10 Stage 5	Examine social & economic changes in Sydney & their impact on expansion, urban decline & renewal, spatial inequality, & land use. A ferry ride around the harbour is included on the day.	URBAN	Pymont & Barangaroo
<u>Sustainable Biomes</u> *	YR 9 -10 Stage 5	Investigation of mangroves and seagrass as two productive biomes. Testing of abiotic factors characterising the biomes and animal catch to identify biodiversity. Discussion of economic use of biomes for aquaculture and oyster farming.	WETLANDS	Botany Bay
<u>Biophysical Interactions</u> *	YR 11 Stage 6	Examine the biophysical environment & identify human impacts on the hydrosphere, lithosphere & biosphere at a local level. Use maps & field equipment to expand geological knowledge & techniques.	BUSHLAND  COASTS  WETLANDS	Bantry Bay Manly Dam Camp Coutts Long Reef Cronulla Botany Bay
<u>Ecosystems at Risk</u>	YR 12 Stage 6	Study key features of the ecosystem, including landforms & vegetation. Identify human impacts, discuss management options and long-term consequences. Aerial photos, maps and field equipment allow students to participate in a practical experience to cement classroom teachings.	BUSHLAND COASTS  WETLAND RAINFORESTS	Bantry Bay Cronulla Long Reef Botany Bay Mt Keira
<u>International Baccalaureate</u>	YR 11-12 Stage 6	An IB orientated, student led study of the Long Reef Lagoon and Coast.	COASTS	Long Reef
<u>Senior Urban Study</u>	YR 12 Stage 6	Examination of issues arising from increasing population, including; social, environmental & economic changes. Study the dynamics of change, urban decay & renewal. Observe the culture of place & learn about the nature of growth. Includes ferry ride around the harbour.	URBAN	Pymont & Barangaroo

\* *Virtual excursion available*