

## 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.*



## Module 4: Human Impacts - Microplastics Depth Study

The Australian Microplastic Assessment Project AUSMAP has partnered with NSW Department of Education Environmental and Zoo Education Centres to support the implementation of the AUSMAP citizen science investigation for secondary students.

The AUSMAP scientific investigation enables teachers to model guided inquiry to address each of the S6 Earth and Environmental Science Working Scientifically outcomes and inquiry question for Module 4: Human impacts. This creates a brilliant opportunity for a depth study!

This excursion is part of a complete unit of work. The worksheets and resources, designed by specialist teachers, are provided.

### Inquiry Question

- How can water be managed for use by humans and ecosystems?

### Activities

**Site Assessment** - Students measure physical and biological parameters around the test site.

**Microplastic Survey & Data Analysis** - Students survey the strandline for microplastics before sorting and analysing data.

**Macrolitter Survey** - Students survey macrolitter in order to analyse the link between macrolitter and microplastic.

**Data Reporting** - Students collate and upload data to appropriate online citizen science databases. This may be completed at school.

### Syllabus Outcomes & Content

#### Outcomes:

- develops and evaluates questions and hypotheses for scientific investigation EES11/12-1
- designs and evaluates investigations in order to obtain primary and secondary data and information EES11/12-2
- conducts investigations to collect valid and reliable primary and secondary data and information EES11/12-3
- describes human impact on the Earth in relation to

hydrological processes, geological processes and biological changes EES11-11

#### Content:

- Water Management
- Cross Curriculum Priorities
- Sustainability