Brewongle
Environmental Education Centre

STAGE 2 Science

Subsidised Excursion

Eligible to all schools in Blacktown LGA: Excursion transport costs covered by Blacktown City Council (Conditions apply)

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.

NSW GOVERNMENT Education Public Schools

Living World - Nature at Nurragingy

Nurragingy Reserve is a place of great history and meaning. Can plants survive without animals? How healthy is the environment at Nurragingy Reserve? This scientific investigation will focus on identifying plant and animal species and understanding the life cycles of plants and animals at Nurragingy Reserve. It will highlight the interconnections between plant and animals and their environment.

Inquiry Questions

- How can we group living things?
- What are the similarities and differences between the life cycles of living things?
- How are environments and living thing independent?

Activities

Identifying plants - Students use a dichotomous key to identify the main plant species in the area. This diversity (range in species) and abundance (number) analysis will be used to make assumptions about the health of the ecosystem.

Bugs underground - A diversity and abundance survey of animals that are very low on the food chain, students will gain an understanding of life cycles and the interdependence of living and non-living things.

Pollenators and dispersers - Students investigate the role insects and other animals play in the life cycle of plants. They use extendable poles to view inside nest boxes, and take a guided walk to search for other pollenating or seed dispersing animals.

Water - What is "healthy" water? Students conduct tests on the ponds to analyse the water quality.

Syllabus Outcomes & Content

Outcomes:

- questions, plans and conducts scientific investigations, collects and summarises data and communicates using scientific representations ST2-WS-S
- compares features and characteristics of living and non-living things ST2-4LW-S

Content:

- Identifying, grouping and comparing living things
- Interdependence
- Healthy environments

Cross Curriculum Priorities

- Sustainability

Blacktown City Council