



Wetlands Environmental Education Centre

Stage 4



Science and Technology: Living Wetlands

Science and Technology outcomes

SC4-14LW relates the structure and function of living things to their classification, survival and reproduction
SC4-1VA appreciates the importance of science in their lives and the role of scientific inquiry in increasing understanding of the world around them

SC4-6WS follows a sequence of instructions to safely undertake a range of investigation types, collaboratively and individually

SC4-7WS processes and analyses data from a first-hand investigation and secondary sources to identify trends, patterns and relationships, and draw conclusions

Content

LW1 There are differences within and between groups of organisms; classification helps organise this diversity.

Students:

- b. classify a variety of living things based on similarities and differences in structural features
- c. use simple keys to identify a range of plants and animals
- f. explain how the features of some Australian plants and animals are adaptations for survival and reproduction in their environment

LW5 Science and technology contribute to finding solutions to conserving and managing sustainable ecosystems.

Students:

- a. construct and interpret food chains and food webs, including examples from Australian ecosystems

Learning across the curriculum: 🌱 Critical and creative thinking 🇦🇺 Civics and citizenship, ♻️ Sustainability

Program Description

Students will investigate a wetland ecosystem and calculate some of the factors which affect plant and animal life, and how these can be managed, classify wetland species, construct food webs, and identify species and their adaptations.

Activities:

- Pond animal identification, distribution and adaptations
- Species classification and food web construction
- Water quality testing
- GPS Wetland plant hunt

Students will be using specialised equipment for various activities.

This program is delivered over 4 hrs, 10am to 2pm.

The basic program will be changed to suit larger groups or weather conditions.

Location

Wetlands Environmental Education Centre (WEEC) located at
Hunter Wetlands Centre, 412 Sandgate Rd, Shortland, Newcastle.
Please use School entry.

Site Description

Wetlands Environmental Education Centre is located at the Hunter Wetlands Centre, which is a managed wetland reserve with natural and artificial water features accessed by decks and established walking tracks. The site is classified as part of the Hunter Estuary Ramsar Site under the International Convention on

Wetlands (Ramsar). Wetlands EEC have a purpose built education centre including theatre, wet room and classroom.

The WEEC is a NSW Department school and staff are DoE trained teachers specialising in Environmental Education.

Excursion information

What to bring: Printed student workbooks, clipboard and pencils, recess and lunch, refillable water bottle, hat, sunscreen, comfortable, covered walking shoes plus any special requirements of the group. (Wet weather gear when necessary). Non-aerosol insect repellent is advisable.

Wetlands EEC teachers rely on the participation of visiting teachers to meet recommended supervision levels. Visiting teachers are ultimately responsible for behaviour of students, students with existing medical conditions or special needs.