

Dip Netting Stages 1 - 4

Duration: 1.5 hours

Location: Wambangalang Woodlands, Obley Road, Dubbo.

Risk Management Advice: This form is emailed and will need to be returned.

Cost: This activity is included in the onsite whole day program and overnight programs.
Onsite whole day program \$15.00 / student.

What to bring: Students need to bring morning tea, lunch in a lunchbox, water, hat and sunblock in a small back pack. The school encourages recycling so an Earth Friendly lunch is encouraged. An Earth Friendly lunch is one that has only recyclable or reusable containers for packaging and reduces the amount of rubbish.

What to wear: Sports uniform recommended with a hat and comfortable covered shoes.

Teachers: Teachers and visitors will need hats and covered shoes for walking in the woodlands.

Extreme weather: The school is in an extreme weather zone and could be subjected to days above 35 degrees, high wind, dust storms or extreme fire danger. Such conditions may result in the day being modified, cancelled or postponed.

Medical conditions: Please notify EEC staff.

Centre expectations: We encourage students to show respect for the environment during their visit. They can do this by being kind to all animals and insects, staying on paths and recycling their rubbish appropriately.



Overview

Students use nets to dip into a pond to collect and identify macroinvertebrates (macro = visible to the naked eye; invertebrate = animal without a backbone).

Students determine the health of the water by the abundance, diversity and composition of water bugs found in the pond.

Learning Activities

Students use dip nets to gently scoop water from a pond, with the aim of collecting aquatic macroinvertebrates.

They tip the net contents into a container of water.

Students examine collected water bugs. They use a *Water Bug Detective Guide* to identify the bugs and determine whether the bugs are sensitive or tolerant.

Students decide if the pond water is healthy according to the abundance, diversity and composition of aquatic macroinvertebrates.

When finished, they return the water bugs to the pond.

Australian Curriculum Outcomes

STe-8NE - identifies the basic needs of living things

ST2-10LW - describes that living things have life cycles, can be distinguished from non-living things and grouped, based on their observable features

ST3-11LW - describes some physical conditions of the environment and how these affect the growth and survival of living things

EN1-1A - communicates with a range of people in informal and guided activities demonstrating interaction skills and considers how own communication is adjusted in different situations

EN2-12E - recognises and uses increasing range of strategies to reflect on their own and others' learning

DMS2.2 - makes decisions as an individual and as a group member

INS3.3 - acts in ways that enhance the contribution of self and others in a range of cooperative situations

SLS1.13 - recognises that their safety depends on the environment and the behaviour of themselves and others

SLS3.13 - describes safe practices that are appropriate to a range of situations and environments