STEM The Secret Life of Worms - Living World

Stages 2 - 3

Duration: 2-3 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 will observe the structural and behavioural characteristics of earthworms and design and construct a worm habitat or worm farm.

Learning Activities

Students **view** *Can't Live Without Worms!* PowerPoint, to learn worm anatomy, and the role worms play in creating fertile soils.

Students **investigate** worms by measuring and **observing** them with a magnifying glass.

Students study and **discuss** the written procedure for making a worm farm with the materials provided.

Students **design** their personal worm farm.

Students **construct** their worm farm to take with them.

Australian Curriculum Outcomes

ST2-5WT - applies a design process and uses a range of tools, equipment, materials and techniques to produce solutions that address specific design criteria

ST2-4WS - investigates their questions and predictions by analysing collected data, suggesting explanations for their findings, and communicating and reflecting on the processes undertaken.

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

ST2-11LW - describes ways that science knowledge helps people understand the effect of their actions on the environment and on the survival of living things

ST2-15I - describes ways that information solutions are designed and produced, and factors to consider when people use and interact with information sources and technologies

MA2-2WM - selects and uses appropriate mental or written strategies, or technology, to solve problems

MA2-9MG - measures, records, compares and estimates lengths, distances and perimeters in metres, centimetres and millimetres, and measures, compares and records temperatures