

## **STEM Watch it Grow - Living World**

### **Stage 1**

**Duration:** 4 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.

**Parent helpers:** Parents and caregivers are very welcome to attend the excursion. We particularly encourage parents and caregivers to assist with K-2 groups.

**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.



*“Empowering Learning Communities to Reconnect with, Value and Sustain our Natural and Cultural Heritage”*

## **Overview**

Students investigate characteristics of living things versus characteristics of non-living things. Investigations include a study of various eggs of living things, changing environments of living things and environments in which plants need to survive. Students predict outcomes of these investigations.

## **Learning Activities**

### **Session 1 - Experiments in the classroom.**

Students participate in a feely box activity to identify eggs of different animals and insects. Students observe the behaviour of live crickets in their environment. Students introduce various stimuli to the crickets' environments and record their behaviour.

### **Session 2 - Sustainable gardening.**

Students make paper pots in which to plant seeds.

### **Session 3 - Dip Netting.**

Students use nets to dip into a pond to collect and identify macroinvertebrates (water bugs) in ponds. This sampling reveals information about the abundance, diversity and composition of macroinvertebrates, giving an indication of the health of the water.

## **Australian Curriculum Outcomes**

**ST1-1VA** - shows interest and enthusiasm for science and technology, responding to their curiosity, questions and perceived needs, wants and opportunities

**ST1-4LW** - identifies features of living things and their environment

**ST1-4WS** - investigates questions and predictions by collecting and recording data, sharing and reflecting on their experiences and comparing what they and others know

**ST1-10LW** - describes external features, changes in and growth 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