



# Stage 2 – Science

## Investigating Our Living World

NOTE: This excursion can be held at Rumbalara Reserve or at your school (2hr session) as an all day activity.

### Program Overview

Through a hands-on investigation, students will examine living things in Rumbalara Reserve. They will observe the features and characteristics of living things and discuss how they can be classified. The students will have the opportunity to look inside a native bee hive and describe how living things are interdependent of each other.

### Key Questions:

1. How can we group living things?
2. What are the similarities and differences between the life cycles of living things?
3. How are environments and living things interdependent?

## Learning Experiences & Content

### Bushwalk

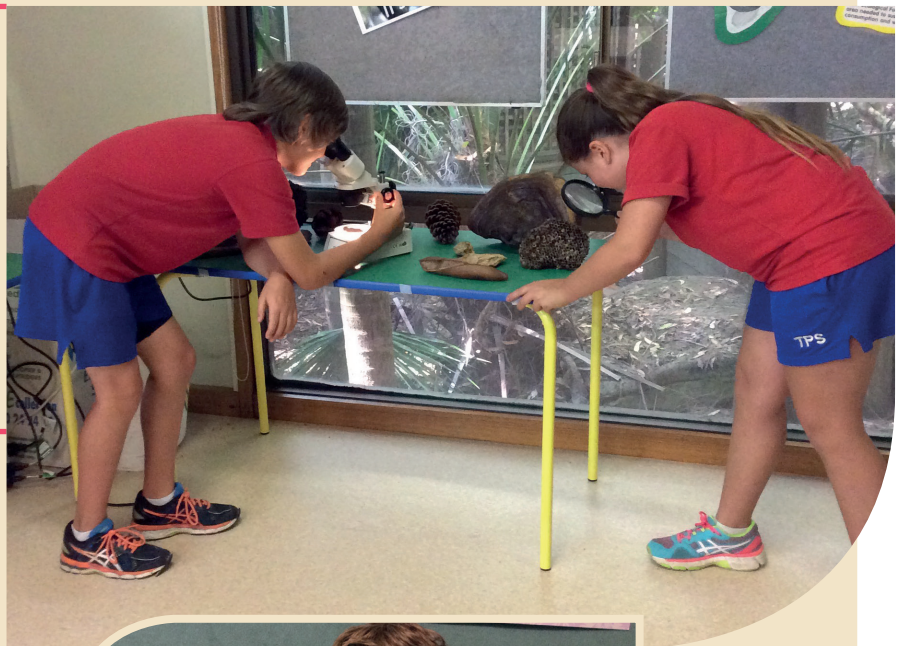
The walk begins at Yaruga Picnic Area and continues down to Rumbalara EEC. Along the way students will be given a Climate Watch field guide to help identify and group living things throughout the walk. Students will also learn about Aboriginal bush resources and how plants can be classified according to use eg medicine, food and tools.

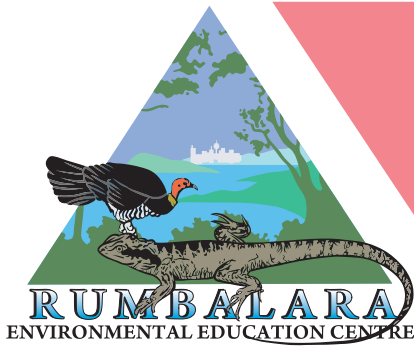
### Invertebrate Investigation

Students will predict, discover and identify what types of invertebrates are living in the local environment. They will use scientific equipment to conduct the leaf litter dig and collect and record a variety of invertebrates. The data is collected using tallies and identification charts then analysed and interpreted using picture and column graphs.

### Lab Activities

Students will use microscopes to closely examine different invertebrates and observe their similarities and differences. They will also have the opportunity to look inside a native bee hive and build a small bee hotel.





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### Outcomes

A student:

- ✿ **ST2-1WS-5** questions, plans and conducts scientific investigations, collects and summarises data and communicates using scientific representations
- ✿ **ST2-4LW-5** compares features and characteristics of living and non-living things

### Skills Focus

#### Working Scientifically

##### Planning and conducting investigations

- ✿ Students will work scientifically through participation in guided scientific investigations. They will collect, record and analyse data

### Content

#### Classification of living things

Students:

- ✿ collect data and identify patterns to group living things according to their external features, and distinguish them from non-living things (**ACSSU044**)
- ✿ identify that science involves making predictions and describing patterns and relationships (**ACSHE050**, **ACSHE061**)

#### Life cycles of living things

- ✿ identify that living things have life cycles (**ACSSU072**)
- ✿ conduct an investigation into the life cycle of plants and/or animals (**ACSSU072**)

#### Survival of living things

- ✿ describe how living things depend on each other and the environment to survive (**ACSSU073**)

