

# Itinerary



## Invertebrates - Adapt and Survive: Year 5



*Toohy Forest*  
**Environmental  
Education  
Centre**

**Learning goal:** Examine the behavioural and structural adaptations of insects to determine the most effective methods for survival

**Students will:**

- Identify structural features and adaptations of plants that help them survive in the Australian environment
- Discuss Aboriginal Peoples' use of adaptations of the grass tree
- Use equipment and materials safely to collect and examine live invertebrates
- Identify structural features and adaptations of invertebrates that help them to survive and grow in their habitat
- Design an invertebrate, choosing structural features that will help it to survive in a specific environment

Inspiring science beyond the classroom

Time	Activity
9.30 – 9.50 (20 mins)	<b>Introduction</b> to staff, program and facilities <b>Discussion:</b> What do we know about adaptations? <b>Group work:</b> Identify structural, behavioural and physiological adaptations of two invertebrates
9.50 – 10.20 (30 mins)	<b>Leaf adaptations:</b> Identify structural adaptations of leaves to determine if they are better suited for a wet or dry environment, complete leaf rubbings
10.20 – 10.50 (30 mins)	<b>First Break</b>
10.50 – 11.50 (60 mins)	<b>Science Skills:</b> Where to find invertebrates <b>Use of equipment/safety considerations</b> <b>Forest Study:</b> Invertebrate collection <b>Sketch:</b> Identify adaptations of a grass tree, complete a sketch
11.50 – 12.20 (30 mins)	<b>Second Break</b>
12.20 – 12.50 (30 mins)	<b>Invertebrate ID:</b> Examination of live invertebrates: adaptations for survival
12.50 – 1.40 (50 mins)	<b>Creature Feature:</b> Design a creature with adaptations that are suitable for survival in a prescribed environment.
1.40 – 2.15 (35 mins)	<b>Live Animal Display:</b> Experience live animals and discuss their specific adaptations
2.15 – 2.30 (15 mins)	<b>Farewell and Depart</b>

**Students will need**

- Enclosed shoes
- Sun safe clothing and hat
- Sunscreen and insect repellent already applied
- Water Bottle
- Morning tea and lunch
- Field booklet, clipboard, pencil

**Litter Free Lunch**

We encourage students and staff to pack a litter free lunch. A litter free lunch contains no throwaway packaging. Everything in it can either be re-used, composted or recycled. Therefore food is brought in re-usable containers rather than disposable plastic wrap. Drinks are brought in refillable plastic bottles. Pre-packaged foods are discouraged.

