

# ITINERARY

## Year 4: Creek Crusaders

### Student role:

As a Creek Crusader, I will **explain** the roles of organisms in a freshwater habitat and **construct** food chains to demonstrate their relationships.

### Success Criteria - I have been successful if I can:

- Safely **use** a variety of scientific sampling equipment
- **Explain** the roles of organisms in a freshwater environment (eg producer, consumer, decomposer)
- **Construct** food chains to demonstrate their relationships

Time	Activity		
9.30 - 9.45 (15 mins)	<b>Introduction</b> to staff and facilities		
9.45 - 10.10 (25 mins)	<b>Teacher in role:</b> Meet Neo, the Trainee Palaeontologist		
10.10 - 10.40 (30 mins)	<b>Food Chains</b> Food chains: Who eats Whom? (p3) Decomposers: Undercover agents (p4)	10.10 - 11.30 (1 hour 20 mins)	<b>Pond expedition:</b> Equipment use and safety considerations Observation and collection of macroinvertebrates Decomposers: spotlight on fungus
10.40 - 11.10 (30 mins)	<b>FIRST BREAK</b>	11.30 - 12.00 (30 mins)	<b>FIRST BREAK</b>
11.10 - 12.30 (1 hours 20 mins)	<b>Pond expedition:</b> Equipment use and safety considerations Observation and collection of macroinvertebrates Decomposers: spotlight on fungus	12.00 - 12.30 (30 mins)	<b>Critter ID:</b> Freshwater macroinvertebrate ID and their consumer types
12.30 - 1.00 (30 mins)	<b>SECOND BREAK</b>	12.30 - 1.00 (30 mins)	<b>Who eats whom?</b> Food chains: Who eats Whom? (p3) Decomposers: Undercover agents (p4)
1.00 - 1.30 (30 mins)	<b>Critter ID:</b> Freshwater macroinvertebrate ID and their consumer types	1.00 - 1.30 (30 mins)	<b>SECOND BREAK</b>
1.30 - 1.50 (20 mins)	<b>Conclusion</b> - Why are the producers, consumers and decomposers important to a healthy freshwater habitat? What else can we do improve the creek for animals like the lungfish? <b>Teacher in role:</b> Neo returns, so we can share our learnings and ideas		
1.50 - 2.15 (25 mins)	<b>Wildlife encounter:</b> Meet Toohey Forest residents and learn about their place in <b>food chains</b> and <b>food webs</b>		
2.15 - 2.30 (15 mins)	<b>Farewell and depart</b>		

### Students will need:

- field booklet, clipboard, pencil
- covered footwear
- sun safe clothing and hat
- long pants recommended
- sunscreen and insect repellent **already applied**
- water bottle
- morning tea and lunch

### Litter free lunch

We encourage students and staff to pack a litter free lunch that contains no throwaway packaging. Everything in it can be reused, composted or recycled. Food should be in reusable containers rather than disposable plastic wrap and drinks in refillable bottles. Pre-packaged food is discouraged.