

Itinerary

Freshwater Studies: Year 7



Toohey Forest
**Environmental
Education
Centre**

Learning Goals:

- **Construct** and **interpret** food chains and food webs
- **Classify** a variety of organisms within a freshwater habitat
- **Use** a range of sampling techniques and equipment
- **Evaluate** the impact of introduced species on the freshwater habitat

Inspiring science beyond the classroom

| Time | Activity |
|----------------------------|---|
| 9.30 – 9.45 (15 min) | Introduction to staff, program and facilities |
| 9.45-10.05 (20 mins) | Program overview: Why classification, food chains and food webs are important to our understanding of freshwater habitats |
| 10.05- 10.55 (50 mins) | Microscope activity: Classification of macroinvertebrates |
| 10.55 – 11.25 (30 mins) | First Break |
| 11.25 – 12.05 (40 mins) | Classification Activity: Classification of macroinvertebrates discovered in the water sample |
| 12.05 – 12.50 (45 mins) | Food Chains and Food Webs Activity: Predation, competition and effects of imbalances in the ecosystem (classroom) |
| 12.50 – 1.20 (30 min) | Second Break |
| 1.20 – 1.30 (10 min) | Conclusion: Evaluate the impact of introduced species on the freshwater habitat |
| 1.30 – 1.45 (15 mins) | Live Animals |
| 1.45-2.00 (15 mins) | Farewell and Depart |

Students will need:

- Covered footwear
- 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.

