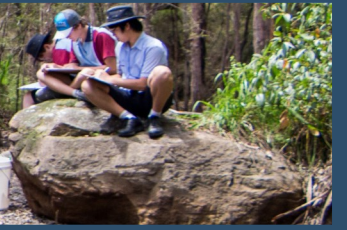


ITINERARY

Year 7: Ecosystem Exploration - Aquatic



Students will:

take on the role of Environmental Scientist to analyse how biotic and abiotic factors can influence the biodiversity of a local aquatic ecosystem (Mimosa Creek).

Time	Activity		
9.30 - 9.45 (15 mins)	Arrival and greeting to centre		
9.45 - 10.05 (20 mins)	Introduction: Environmental Assessment: Impact of biotic and abiotic factors and how they can influence the biodiversity of a local aquatic ecosystem		
10.05 - 11.15 (1 hour 10 mins)	Field: Collection of macroinvertebrates and abiotic data from the pond	10.05 - 10.35 (30 mins)	Classroom: Using and creating dichotomous keys
		10.35 - 11.15 (40 mins)	Field: Microscope identification
11.15 - 11.40 (25 mins)	FIRST BREAK		
11.40 - 12.10 (30 mins)	Classroom: Using and creating dichotomous keys	11.40 - 12.50 (1 hour 10 mins)	Field: Collection of macroinvertebrates and abiotic data from the pond
12.10 - 12.50 (40 mins)	Field: Microscope identification		
12.50 - 1.15 (25 mins)	SECOND BREAK		
1.15 - 1.45 (30 mins)	Classroom: Constructing a pond food web and discuss flow of energy		
1.45 - 2.15 (30 mins)	Conclusion: Complete an environmental assessment of the pond		
2.15 - 2.30 (15 mins)	Farewell and depart		

Students will need:

- field booklet, clipboard, pen
- 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.