



**It's a Bugs Life | Living World Excursion | Stage 1 | Science and Technology K-6**

| Summary  | Duration   |
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| <p>This excursion addresses outcomes from the NSW Science and Technology K-6 Syllabus.</p> <p><b>Outcomes</b></p> <p><i>A student:</i></p> <ul style="list-style-type: none"> <li>describes external features, changes in and growth of living things ST1-10LW</li> <li>describes ways that different places in the environment provide for the needs of living things ST1-11LW</li> <li>investigates questions and predictions by collecting and recording data, sharing and reflecting on their experiences and comparing what they and others know ST1-4WS</li> <li>shows interest in and enthusiasm for science and technology, responding to their curiosity, questions and perceived needs, wants and opportunities ST1-1VA</li> <li>demonstrates a willingness to engage responsibly with local, national and global issues relevant to their lives, and to shaping sustainable futures ST1-2VA</li> </ul> <p><b>Content</b></p> <p>Students engage in their natural world through a range of hands-on activities, observing and questioning while learning about living things in their natural habitat.</p> <p>The teaching and learning activities provide students with the opportunities to develop improved visual and scientific literacy.</p> | <p>4 hour on-site excursion to Longneck Lagoon EEC</p> <p>Arrival time: 10 am</p> <p>Departure time: 2 pm</p> <p>Arrival and departures times are guides only. Distance and bus schedules may require modifications to the timetable.</p> <hr/> <p><b>About Longneck Lagoon</b></p> <p>Longneck Lagoon Environmental Education Centre is located in Scheyville National Park and includes a terrestrial environment (Cumberland Plain Woodland) and an aquatic environment (lagoon and creek).</p> |



| Key inquiry questions   | Activity outline   |
|---|--|
| <p>Where is Longneck Lagoon EEC?<br/>(Pre-visit activity)</p> <p>What are some of the bugs that live in the freshwater creek at Longneck Lagoon?</p> <p>What are the characteristics of the bugs we caught?</p> <p>What are terrestrial or bush bugs? Why are they important?</p> | <p>Following a welcome to the Centre and Acknowledgement of Country students will rotate through a series of activities designed to meet the outcomes identified above.</p> <p>The activities may vary depending on weather conditions.</p> <p><b>Water Bugs</b> (approx 50 mins)</p> <ul style="list-style-type: none"> <li>▪ Discuss characteristics of the aquatic ecosystem - what creatures might live in, around and on top of the water, types of habitat.</li> <li>▪ How to dipnet safely and transfer what they have caught.</li> <li>▪ Collect as many different types of water bugs as they can.</li> <li>▪ Discuss their different habitats within/around the water.</li> </ul> <p><b>Let's be a scientist</b> (approx 60 mins)</p> <ul style="list-style-type: none"> <li>▪ How to use a stereo microscope.</li> <li>▪ Use microscopes to observe characteristics of specimens and identify using ID charts.</li> <li>▪ Learn about the lifecycle and special adaptations of a number of different specimens using the flexi camera and smartboard.</li> <li>▪ Discuss the survival needs of water bugs. What is needed to keep the habitat happy and healthy for our water bugs? Why are water bugs important?</li> </ul> <p><b>Bush Bug Investigation</b> (approx 50 mins)</p> <ul style="list-style-type: none"> <li>▪ What is a bush bug? Where do they live and what do they look like? How are they alike or different?</li> <li>▪ Why are bugs important?</li> <li>▪ Habitat walk.</li> <li>▪ Observe, describe and match resin bugs to images.</li> </ul> |

