

Year 3: How does it live?

Science (v.9)



Students will receive a letter about mystery items from Dr Antenna, the forgetful Entomologist, as a pre-visit activity to spark curiosity and wonder before visiting Nudgee Beach EEC. He needs students to solve the mystery, by **posing questions to explore patterns and relationships and make predictions based on observations.**

During the day, **students will examine the differences between the life cycles of plants and animals** as they step through a “time machine” to compare historical and present-day environments at Nudgee Beach, investigate the Richmond Birdwing Butterfly life cycle, and discover how species depend on healthy habitats for survival.

During these activities, students will journal their observations and **compare their findings to identify further questions**, make connections **and draw conclusions** to the Dr Antennae’s mystery items.

Students will take part in the Green Thumb Challenge by planting Birdwing Butterfly Vine seeds and re-potting seedlings to help restore habitat for the vulnerable Richmond Birdwing Butterfly in South East Queensland.

Exploring the tidal flats and foreshore at Nudgee Beach, students will investigate mangroves, mud crabs, mud whelks and other coastal invertebrates while learning how First Nations Peoples used knowledge of seasonal changes and life cycles to sustainably care, **maintain a deep connection to, and responsibility for Country and Place.**

Through hands-on investigations, field observations and interactive activities, students will develop an understanding of how life cycles are interconnected and why healthy environments are essential for species survival.



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