

Year 4: Fascinating Food Chains

Science (v.9)



Students will explore the marine ecosystem at Nudgee Beach to **identify the roles of organisms in a habitat**. They will discover and categorise different organisms as producers, consumers, and decomposers **and construct food chains**.

They will acknowledge **First Nations Australians** and their knowledge of food chains, as they interact and classify artefacts as decomposers, producers or consumers.

During the Mangrove forest walk, students will observe mangroves as producers, crabs as consumers and bacteria as decomposers. On the mudflats at Nudgee Beach, students will engage in various hands-on activities such as twitching, yabby pumping and fine sieving to discover many consumers living in the intertidal zone.

At each activity site they will observe and classify organisms and collect corresponding cards to attach to the correct producer, consumer or decomposer lanyard. Students will also be given clues at each activity site about a mystery animal they are challenged to discover.

By using the collected cards, they will **construct representations to organise data and information and identify patterns and relationships**. In groups, **students will explain the roles and interactions of consumers, producers and decomposers within a habitat and how food chains represent feeding relationships**.

To conclude the day, students will meet the mystery animal and **investigate the impact of introduced predators** on this particular species in Australia.



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