

Year 7 - Nudgee Beach challenge - Who eats who? Full Day program at NBEEC



Year 7 ecologists begin their day researching how **Aboriginal and Torres Strait Islander communities** in the past maintained a special connection to and responsibility for **Country/Place**.



Students will be invited to complete the Nudgee Beach Food Web Challenge where they will explore an Estuarine Ecosystem to create an Energy Pyramid. The winning group will get to hold an Apex Predator at the end of the day.

Students will use a dichotomous key to identify a number of different mangrove species as they walk along the Tabbil Ban Dhagun Mangrove Boardwalk. In the Mangroves, they search and identify producers at the first trophic level in a food web.

Over at Nudgee Beach, students explore consumers in the intertidal zone at the beach as they partake in bird watching, yabby pumping, fine sieving and bait net fishing.

Throughout the day, students will **predict the effect of human and environmental changes on interactions between organisms and classify and organise diverse organisms based on observable differences**.

They will communicate their ideas, methods and findings using scientific language and appropriate representations as they create a Centre food web at the end of the day to summarise their learning.

