

# Year 11-12 - Senior Geography

## Land cover transformations

### Full Day program at NBEEC



Senior students start their day in the classroom at NBEEC where they **investigate the geographical processes, natural** (sand movement) **and anthropogenic** (urbanisation - Brisbane airport and Port construction), **that have resulted in change to Earth's land cover and climate change and the resulting impacts and challenges posed in the local Nudgee Beach area of Moreton Bay.**

Students will work in groups to sort and match a number of issues with impacts that are affecting the environment at Nudgee Beach and from discussions **propose action for sustainable management of land cover change for a fieldwork location.**

**Through experiential learning, students apply a range of geographic skills to collect, manipulate and explain the meaning of data** as they conduct a transect study in two different locations: an undisturbed Green Zone at the mouth of Nudgee Creek and a disturbed Habitat Zone at the mouth of Kedron Brook. Analysing erosion and invasive weed species are two challenges that students may seek to manage.

**Students will analyse data gathered to describe the nature, location and extent of the selected challenge and synthesise information from the analysis to propose action for managing the identified challenge to create or improve sustainability.**



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