

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** (sea level changes, and sand movement) **and anthropogenic** (urbanisation - Brisbane airport construction and Kedron Brook alterations), **that have resulted in change to Earth's land cover and climate change and the resulting impacts and challenges posed at global, regional and local scales** (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 to manage the identified challenge to improve the sustainability of land use in the local area.**

Through experiential learning, students apply a range of geographic skills to collect, manipulate and explain the meaning of data. Students will compare the water quality, erosion present and plant species living at two creek mouths: one in the Marine National Park (Nudgee Creek) and Human Protection Zone (Kedron Brook). **Through their fieldwork investigation, students apply a geographical perspective to understand the impacts of land cover change for the biophysical environments, and people in their own community and the challenge of sustainable responses.**



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