

# Science Excursions

Excursion	Level	Excursion Synopsis	Location	
<u>Living World</u>	YR7-8 Stage 4	This excursion examines the diversity of life on Earth. Students describe how producers, consumers and decomposers are related using a local food web. An animal catch and classification gives students an understanding for local fauna.	BUSHLAND WETLAND RAINFOREST ROCK PLATFORM	Bantry Bay Camp Coutts Camp Kedron Manly Dam Botany Bay Mt Keira Long Reef Narrabeen
<u>Advanced Living World</u>	YR9-10 Stage 5	Students build on their understanding that ecosystems consist of abiotic components and communities of independent organisms.	BUSHLAND WETLANDS RAINFOREST ROCKPLATFORM	Bantry Bay Camp Kedron Camp Coutts Manly Dam Botany Bay Mt Keira Long Reef Narrabeen
<u>A Local Ecosystem</u>	YR11 Stage 6	Students compare different ecosystems. In depth examination of a native producer & animal adaptations & relationships. Study of animal or plant distribution & abundance, physical & chemical tests. Students complete an animal catch.	BUSHLAND RAINFOREST WETLANDS ROCKPLATFORM	Bantry Bay Camp Kedron Camp Coutts Mt Keira Botany Bay Long Reef Narrabeen
<u>Evolution of Australian Biota</u>	YR11 Stage 6	Detailed comparison of primitive plants (including Gondwanan species) & animals to modern counterparts. Examination of geological history.	BUSHLAND RAINFOREST	Carroll Creek Mt Keira
<u>Senior Science</u>	YR11-12 Stage 6	OPTION 1: Detailed study of plants & animals, measurement of abiotic factors, use of quadrats, interrelationships within an ecosystem & discussion of human impacts. OPTION 2: Human environmental impacts on creeks are investigated	BUSHLAND CREEKS	Bantry Bay Camp Coutts Bantry Bay
<u>International Baccalaureate</u>	YR11-12 Stage 6	An IB orientated, student-led study of the Long Reef Rock Platform	COASTS	Long Reef
<u>Earth &amp; Environmental Science</u>	YR11 Stage 6	A study of local geology, plant diversity & adaptations, investigation of physical & chemical factors & human impacts.	BUSHLAND ROCKPLATFORM RAINFOREST	Bantry Bay Long Reef Mt Keira
<u>Earth &amp; Environmental Science</u>	YR12 Stage 6	OPTION 1: <u>Environments Through Time &amp; Introduced Species</u> OPTION 2: <u>Introduced Species</u> Students will undertake field work & discuss exotic plant & animal species in two locations.	ROCKPLATFORM ROCKPLATFORM & BUSHLAND	Long Reef Long Reef & Carroll Creek
<u>Maintaining a Balance</u>	YR12 Stage 6	In depth study including water regulation, temperature control, excretion of waste, obtainment of energy & food requirements. Measurement of abiotic factors. Students undertake a terrestrial & water animal catch.	WETLANDS & DUNES DUNES & ROCKPLATFORM	Botany Bay Long Reef