

Marine Discovery Centre Activities – Australian Curriculum Links

Year 8		
Science	Geography	Cross-curricular priorities
<p>Science Understanding</p> <p>Biological sciences</p> <ul style="list-style-type: none"> Cells are the basic units of living things; they have specialised structures and functions (ACSSU149) Multi-cellular organisms contain systems of organs carrying out specialised functions that enable them to survive and reproduce (ACSSU150) <p>Science as a Human Endeavour</p> <p>Nature and development of science</p> <ul style="list-style-type: none"> Scientific knowledge has changed peoples' understanding of the world and is refined as new evidence becomes available (ACSHE134) Science knowledge can develop through collaboration across the disciplines of science and the contributions of people from a range of cultures (ACSHE226) 	<p>Knowledge and Understanding</p> <p>Unit 1: Landforms and landscapes</p> <ul style="list-style-type: none"> Different types of landscapes and their distinctive landform features (ACHGK048) Spiritual, aesthetic and cultural value of landscapes and landforms for people, including Aboriginal and Torres Strait Islander Peoples (ACHGK049) Human causes and effects of landscape degradation (ACHGK051) Ways of protecting significant landscapes (ACHGK052) <p>Inquiry and Skills</p> <p>Reflecting and responding</p> <ul style="list-style-type: none"> Reflect on their learning to propose individual and collective action in response to a contemporary geographical challenge, taking account of environmental, economic and social considerations, and predict the expected outcomes of their proposal (ACHGS062) 	<p>Aboriginal and Torres Strait Islander Histories and Culture</p> <p>OI.2 Aboriginal and Torres Strait Islander communities maintain a special connection to and responsibility for Country/Place.</p> <p>OI.3 Aboriginal and Torres Strait Islander Peoples have holistic belief systems and are spiritually and intellectually connected to the land, sea, sky and waterways.</p> <p>OI.5 Aboriginal and Torres Strait Islander Peoples' ways of life are uniquely expressed through ways of being, knowing, thinking and doing.</p> <p>OI.9 The significant contributions of Aboriginal Peoples and Torres Strait Islander Peoples in the present and past are acknowledged locally, nationally and globally.</p>

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<p>Use and influence of science</p> <ul style="list-style-type: none"> Solutions to contemporary issues that are found using science and technology, may impact on other areas of society and may involve ethical considerations (ACSHE135) People use science understanding and skills in their occupations, and these have influenced the development of practices in areas of human activity (ACSHE136) 		<p>Sustainability</p> <p>O1.2 All life forms, including human life, are connected through ecosystems on which they depend for their wellbeing and survival.</p> <p>O1.3 Sustainable patterns of living rely on the interdependence of healthy social, economic and ecological systems.</p> <p>O1.7 Actions for a more sustainable future reflect values of care, respect and responsibility, and require us to explore and understand environments.</p> <p>O1.9 Sustainable futures result from actions designed to preserve and/or restore the quality and uniqueness of environments.</p>