

## Growing Changes by the Sea - Year 2

Like frogs, the life cycle of a crab includes stages where the young doesn't resemble the parent. Students learn about the life cycles of the unique animals and plants of the marine world and how their needs are met. The key practical components from **Curriculum into the Classroom - Science Unit 3 (V2.0) – Good to Grow, lessons 1, 3, 4, 5, 8 & 9** are undertaken while at the centre for supporting a marine based response to the C2C unit's assessment item.



**NUDGE BEACH**  
environmental education centre

### Day Visit program

YEAR 2 Science – Australian Curriculum and C2C Mapping				
ACARA	Science as a Human Endeavour	<b>Nature and developing science</b> Science involves asking questions about, and describing changes in, objects and events ( <a href="#">ACSH034</a> ) <b>Using and Influencing science</b> People use science in their daily lives, including when caring for their environment and living things ( <a href="#">ACSH035</a> )		
	Science Inquiry Skills	<b>Questioning and Predicting</b> Respond to and pose questions, and make predictions about familiar objects and events ( <a href="#">ACSI037</a> ) <b>Planning and Conducting</b> Participate in different types of guided investigations to explore and answer questions, such as manipulating materials, testing ideas, and accessing information sources ( <a href="#">ACSI038</a> ) Use informal measurements in the collection and recording of observations, with the assistance of digital technologies as appropriate ( <a href="#">ACSI039</a> ) <b>Processing and Analysing data and Information</b> Use a range of methods to sort information, including drawings and provided tables ( <a href="#">ACSI040</a> ) Through discussion, compare observations with predictions ( <a href="#">ACSI214</a> ) <b>Evaluating</b> Compare observations with those of others ( <a href="#">ACSI041</a> ) <b>Communicating</b> Represent and communicate observations and ideas in a variety of ways such as oral and written language, drawing and role play ( <a href="#">ACSI042</a> )		
	Science Understandings	<b>Biological Science</b> Living things grow, change and have offspring similar to themselves ( <a href="#">ACSSU030</a> )	<b>Chemical Science</b> Different materials can be combined, including by mixing, for a particular purpose ( <a href="#">ACSSU031</a> )	<b>Earth and Space Science</b> Earth's resources, including water, are used in a variety of ways ( <a href="#">ACSSU032</a> )
C2C	Good to Grow	Mix Make and Use	Save Planet Earth	Toy Factory
Nudgee Beach EEC programs	<b>Growing Changes By the Sea</b>		Save Planet Earth and Its Seas	
ACARA	General Capabilities	<b>Literacy</b> • Comprehending texts through listening, viewing and reading • Composing texts through speaking, writing and creating • Text knowledge • Grammar knowledge • Word knowledge • Visual knowledge <b>Numeracy</b> • Calculating and estimating • Recognising and using patterns and relationships • Using spatial reasoning • Using measurement <b>Information and communication technology capability</b> <i>Queensland student ICT expectations</i> • Inquiring with ICT • Creating with ICT • Managing and operating ICT <b>Critical and creative thinking</b> • Inquiring - identifying, exploring and clarifying information • Generating innovative ideas and possibilities • Reflecting on thinking, actions and processes • Analysing, synthesising and evaluating information <b>Personal and social capability</b> • Self-management • Social awareness • Social management <b>Ethical behaviour</b> • Understanding ethical concepts and issues • Reflecting on personal ethics and decision making • Exploring values, rights and ethical principles <b>Intercultural understanding</b> • Recognising • Reflecting		
	Cross Curriculum Priorities	<b>Aboriginal and Torres Strait Islander histories and cultures</b> Students will access knowledge about how Aboriginal peoples and Torres Strait Islander peoples acquire and manage resources. <b>Sustainability</b> Students will recognise that the way humans interact with the natural world can contribute to sustainable living patterns for the preservation of Earth's resources.		