



## Alignment with Australian Curriculum

All three strands of the Australian Curriculum: Science are embedded in the unit.

The table below lists sub-strands, their content and the aligned lesson within the unit.

Strand	Sub-strand	Code	Content descriptions	Lesson
<b>Science Understanding (SU)</b>	Earth and space sciences	ACSSU189	Global systems, including the carbon cycle, rely on interactions involving the biosphere, lithosphere, hydrosphere and atmosphere	3, 4, 5, 6
<b>Science as a Human Endeavour (SHE)</b>	Nature and development of science	ACSHE191	Scientific understanding, including models and theories, are contestable and are refined over time through a process of review by the scientific community	2, 3, 4, 5, 6, 8, 9
	Use and influence of science	ACSHE194	People can use scientific knowledge to evaluate whether they should accept claims, explanations or predictions	1 - 9
ACSHE230		The values and needs of contemporary society can influence the focus of scientific research		
<b>Science Inquiry Skills (SIS)</b>	Questioning and predicting	AC SIS198	Formulate questions or hypotheses that can be investigated scientifically	1, 2, 5, 6, 7, 8
	Planning and conducting	AC SIS199	Plan, select and use appropriate investigation methods, including field work and laboratory experimentation, to collect reliable data; assess risk and address ethical issues associated with these methods	1, 2, 5, 6, 7, 8
		AC SIS200	Select and use appropriate equipment, including digital technologies, to systematically and accurately collect and record data	
	Processing and analysing data and information	AC SIS204	Use knowledge of scientific concepts to draw conclusions that are consistent with evidence	1, 2, 3, 5, 6, 7, 8
	Evaluating	AC SIS206	Critically analyse the validity of information in secondary sources and evaluate the approaches used to solve problems	1, 2, 3, 5, 6, 7, 8, 9,
Communicating	AC SIS208	Communicate scientific ideas and information for a particular purpose, including constructing evidence-based argument and using appropriate scientific language, conventions and representations	1 - 9	





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**Interrelationship of the Science strands:** sub-strands covered in this unit are in bold

**YEAR 10**



Science Understanding	Science as a Human Endeavour	Science Inquiry Skills
Biological sciences Chemical sciences <b>Earth and space sciences</b> Physical sciences	<b>Nature and development of science</b> <b>Use and influence of science</b>	<b>Questioning and predicting</b> <b>Planning and conducting</b> <b>Processing &amp; analysing data &amp; information</b> <b>Evaluating</b> <b>Communicating</b>

