



## 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>	Biological sciences	ACSSU111	There are differences within and between groups of organisms; classification helps organise this diversity	6, 9
		ACSSU112	Interactions between organisms can be described in terms of food chains and food webs; human activity can affect these interactions	
	Earth and space sciences	ACSSU116	Some of Earth's resources are renewable, but others are non-renewable	1, 2, 3, 4, 7
		ACSSU222	Water is an important resource that cycles through the environment	
<b>Science as a Human Endeavour (SHE)</b>	Nature and development of science	ACSHE223	Science knowledge can develop through collaboration and connecting ideas across the disciplines of science	2 - 9
	Use and influence of science	ACSHE120	Science and technology contribute to finding solutions to a range of contemporary issues; these solutions may impact on other areas of society and involve ethical considerations	1 - 9
		ACSHE121	Science understanding influences the development of practices in areas of human activity such as industry, agriculture and marine and terrestrial resource management	
		ACSHE224	People use understanding and skills from across the disciplines of science in their occupations	
<b>Science Inquiry Skills (SIS)</b>	Questioning and predicting	AC SIS124	Identify questions and problems that can be investigated scientifically and make predictions based on scientific knowledge	2, 3, 5, 6, 7, 8
	Planning and conducting	AC SIS125	Collaboratively and individually plan and conduct a range of investigation types, including fieldwork and experiments, ensuring safety and ethical guidelines are followed	3, 4, 5, 6, 7, 8
		AC SIS126	In fair tests, measure and control variables, and select equipment to collect data with accuracy appropriate to the task	





## Alignment with Australian Curriculum

Continued

Strand	Sub-strand	Code	Content descriptions	Lesson
<b>Science Inquiry Skills (SIS) continued</b>	Processing and analysing data and information	AC SIS129	Construct and use a range of representations, including graphs, keys and models, to represent and analyse patterns or relationships, including using digital technologies as appropriate	3, 4, 5, 6, 7, 8
		AC SIS130	Summarise data, from students' own investigations and secondary sources, and use scientific understanding to identify relationships and draw conclusions	
	Evaluating	AC SIS131	Reflect on the method used to investigate a question or solve a problem, including evaluating the quality of the data collected, and identify improvements to the method	1 - 9
		AC SIS132	Use scientific knowledge and findings from investigations to evaluate claims	
Communicating	AC SIS133	Communicate ideas, findings and solutions to problems using scientific language and representations using digital technologies as appropriate	1 - 9	

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

**YEAR 7**



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>

