

**Faculty:** STEM      **Subject:** Science      **Year:** 9

	1	2	3	4	5	6	7	8	9	10	11
TERM 1	<p><b>Project:</b> Can we recycle creatively? (Rube Goldberg)  <b>Title / Unit:</b> Physical World – electricity, Newton’s Laws  <b>Timing:</b> 8 weeks  <b>Outcomes:</b> SC5-10PW, SC5-11PW (PW2) SC5-5WS, SC5 – 6WS, SC5 – 7WS, SC5 – 9WS, SC5-1VA, SC5-2VA, SC5-3VA  <b>Skills:</b> planning investigations, conducting investigations, processing and analysing data and information, communicating  <b>4Cs:</b> critical thinking – collaboration – communication – creativity  <b>Literacy focus:</b> SST, tier 2 words  <b>Numeracy focus:</b> data analysis, graphs, tables  <b>Skills consolidation from Stage 4:</b> investigations, group work, ICT skills  <b>Assessment data and weightings:</b> Knowledge and Data Analysis (in class written task) 25%</p>									<p><b>Project:</b> Where do we find acids and bases?</p>	
	<p>Bootcamp: Preparation and learning expectations</p>										

	1	2	3	4	5	6	7	8	9	10	
TERM 2	<p><b>Project:</b> Where do we find acids and bases?  <b>Title / Unit:</b> Chemical World – chemical reactions – periodic table - radioactivity  <b>Timing:</b> 8 weeks  <b>Outcomes:</b> SC5-16CW, SC5-17CW (CW1 CW2 CW3) SC5-5WS, SC5 – 6WS, SC5 – 7WS, SC5 – 9WS, SC5-1VA, SC5-2VA, SC5-3VA  <b>Skills:</b> planning investigations, conducting investigations, processing and analysing data and information, communicating  <b>4Cs:</b> critical thinking – collaboration – communication – creativity  <b>Literacy focus:</b> SST, tier 2 words  <b>Numeracy focus:</b> data analysis, graphs, tables  <b>Skills consolidation from Stage 4:</b> investigations, group work, research ICT skills  <b>Assessment data and weightings:</b> Knowledge and Data Analysis (in class written task) 25%</p>									<p><b>Project:</b> How can we stop the spread of disease?</p>	
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	1	2	3	4	5	6	7	8	9	10
TERM 3	<p><b>Project:</b> How can we stop the spread of disease?  <b>Title / Unit:</b> Living World – Disease and Nervous Systems and Endocrine System and Homeostasis  <b>Timing:</b> 12 weeks  <b>Outcomes:</b> SC5-14LW, SC5-15LW (LW1) SC5-5WS, SC5 – 6WS, SC5 – 7WS, SC5 – 8WS, SC5 – 9WS, SC5-1VA, SC5-2VA, SC5-3VA  <b>Skills:</b> conducting investigations, processing and analysing data and information, problem solving, communicating  <b>4Cs:</b> critical thinking – collaboration – communication – creativity  <b>Literacy focus:</b> spelling, punctuation, grammar, tier 2 words, SST, report writing  <b>Numeracy focus:</b> data analysis, graphs, tables  <b>Skills consolidation from Stage 4:</b> communicating relevant information  <b>Assessment data and weightings:</b> Research and presentation on an infectious disease</p>									
	<p>Project: How can we stop the spread of disease?</p>									

	1	2	3	4	5	6	7	8	9	10
TERM 4	<p><b>Project:</b> Kangaroos - Pest or Precious?  <b>Title / Unit:</b> Living World - Ecosystems  <b>Timing:</b> 6 weeks  <b>Outcomes:</b> SC5-14LW, SC5-15LW (LW2) SC5-5WS, SC5 – 6WS, SC5 – 7WS, SC5 – 9WS, SC5-1VA, SC5-2VA, SC5-3VA  <b>Skills:</b> conducting investigations, processing and analysing data and information, communicating  <b>4Cs:</b> critical thinking – collaboration – communication – creativity  <b>Literacy focus:</b> spelling, punctuation, grammar, exposition writing, tier 2 words, SST  <b>Numeracy focus:</b> data analysis, graphs, tables  <b>Skills consolidation from Stage 4:</b> communicating relevant information, research ICT skills  <b>Assessment data and weightings:</b> Discussion – Discuss the need for the culling of kangaroos - 25%</p>						<p><b>Project:</b> Natural Disasters  <b>Title / Unit:</b> Earth and Space - Plate tectonics, Interactions of Atmosphere &amp; Earth  <b>Outcomes:</b> SC5-12ES, SC5-(ES2, ES3) SC5-5WS, SC5 – 6WS, SC5 – 7WS SC5 – 8WS SC5 – 9WS, SC5-1VA, SC5-2VA, SC5-3VA  <b>Skills:</b> conducting investigations, processing &amp; analysing data and information, problem solving, communicating  <b>4Cs:</b> critical thinking – collaboration – communication – creativity  <b>Literacy focus:</b> spelling, punctuation, grammar, tier 2 words, SST  <b>Numeracy focus:</b> data analysis, graphs, tables  <b>Skills consolidation from Stage 4:</b> investigations, group work, research ICT skills  <b>Assessment data and weightings:</b> No task</p>			
	<p>Project: Kangaroos - Pest or Precious?</p>									

