

Level	Learning Area	Strand	Content Description	Code	
1&2	Science	Science Understanding	Everyday materials can be physically changed or combined with other materials in a variety of ways for particular purposes.	<a href="#">VCSSU045</a>	
			The way objects move depends on a variety of factors including their size and shape: a push or a pull affects how an object moves or changes shape.	<a href="#">VCSSU048</a>	
		Science Inquiry Skills	Respond to and pose questions, and make predictions about familiar objects and events.	<a href="#">VCSIS050</a>	
			Participate in guided investigations, including making observations using the senses, to explore and answer questions.	<a href="#">VCSIS051</a>	
			Use informal measurements in the collection and recording of observations.	<a href="#">VCSIS052</a>	
			Represent and communicate observations and ideas about changes in objects and events in a variety of ways.	<a href="#">VCSIS055</a>	
			Compare observations and predictions with those of others.	<a href="#">VCSIS054</a>	
		Design and Technologies	Technologies Contexts	Explore the characteristics and properties of materials and components that are used to create designed solutions.	<a href="#">VCDSTC017</a>
			Creating Designed Solutions	Explore needs or opportunities for designing, and the technologies needed to realise designed solutions.	<a href="#">VCDSCD018</a>
				Visualise, generate, and communicate design ideas through describing, drawing and modelling.	<a href="#">VCDSCD019</a>
	Use materials, components, tools, equipment and techniques to produce designed solutions safely.			<a href="#">VCDSCD020</a>	
	Use personal preferences to evaluate the success of design ideas, processes and solutions including their care for environment.			<a href="#">VCDSCD021</a>	
	Sequence steps for making designed solutions.	<a href="#">VCDSCD022</a>			

			Use direct and indirect comparisons to decide which is longer, heavier or holds more, and explain reasoning in everyday language.	<a href="#">VCMMG078</a>
			Measure and compare the lengths, masses and capacities of pairs of objects using uniform informal units.	<a href="#">VCMMG095</a>
			Compare and order several shapes and objects based on length, area, volume and capacity using appropriate uniform informal units.	<a href="#">VCMMGI15</a>

Mathematics

Measurement and  
Geometry

Use direct and indirect comparisons to decide which is longer, heavier or holds more, and explain reasoning in everyday language.

[VCMMG078](#)

Measure and compare the lengths, masses and capacities of pairs of objects using uniform informal units.

[VCMMG095](#)

Compare and order several shapes and objects based on length, area, volume and capacity using appropriate uniform informal units.

[VCMMGI15](#)



Level	Learning Area	Strand	Content Description	Code
3&4	Science	Science Understanding	Science knowledge helps people to understand the effects of their actions.	<a href="#">VCSSU056</a>
			Heat can be produced in many ways and can move from one object to another; a change in the temperature of an object is related to the gain or loss of heat by the object.	<a href="#">VCSSU063</a>
			Forces can be exerted by one object on another through direct contact or from a distance.	<a href="#">VCSSU064</a>
		Science Inquiry Skills	With guidance, identify questions in familiar contexts that can be investigated scientifically and predict what might happen based on prior knowledge.	<a href="#">VCSIS065</a>
			Suggest ways to plan and conduct investigations to find answers to questions including consideration of the elements of fair tests.	<a href="#">VCSIS066</a>
			Safely use appropriate materials, tools, equipment and technologies.	<a href="#">VCSIS067</a>
			Compare results with predictions, suggesting possible reasons for findings.	<a href="#">VCSIS070</a>
			Reflect on an investigation, including whether a test was fair or not.	<a href="#">VCSIS071</a>
			Represent and communicate observations, ideas and findings to show patterns and relationships using formal and informal scientific language.	<a href="#">VCSIS072</a>
			Investigate how forces and the properties of materials affect the behaviour of a designed solution.	<a href="#">VCDSTC024</a>
	Design and Technologies	Technologies Contexts	Investigate the suitability of materials, systems, components, tools and equipment for a range of purposes.	<a href="#">VCDSTC027</a>

Design and Technologies	Creating Designed Solutions	Critique needs or opportunities for designing and explore and test a variety of materials, components, tools and equipment and the techniques needed to create designed solutions.	<a href="#">VCDSCD028</a>
		Generate, develop, and communicate design ideas and decisions using appropriate technical terms and graphical representation techniques.	<a href="#">VCDSCD029</a>
		Select and use materials, components, tools and equipment using safe work practices to produce designed solutions.	<a href="#">VCDSCD030</a>
		Evaluate design ideas, processes and solutions based on criteria for success developed with guidance and including care for the environment and communities.	<a href="#">VCDSCD031</a>
		Plan a sequence of production steps when making designed solutions.	<a href="#">VCDSCD032</a>
Mathematics	Measurement and Geometry	Measure, order and compare objects using familiar metric units of length, area, mass and capacity.	<a href="#">VCMMGI40</a>
		Use scaled instruments to measure and compare lengths, masses, capacities and temperatures.	<a href="#">VCMMGI65</a>



# Full STEAM Ahead

## Victorian Curriculum Links Years 5&6

Level	Learning Area	Strand	Content Description	Code
5&6	Science	Science Understanding	Energy from a variety of sources can be used to generate electricity; electric circuits enable this energy to be transferred to another place and then to be transformed into another form of energy.	<a href="#">VCSSU081</a>
			Scientific understandings, discoveries and inventions are used to inform personal and community decisions and to solve problems that directly affect people's lives.	<a href="#">VCSSU073</a>
		Science Inquiry Skills	With guidance, pose questions to clarify practical problems or inform a scientific investigation, and predict what the findings of an investigation might be based on previous experiences or general rules.	<a href="#">VCSIS082</a>
			With guidance, plan appropriate investigation types to answer questions or solve problems and use equipment, technologies and materials safely, identifying potential risks.	<a href="#">VCSIS083</a>
			Compare data with predictions and use as evidence in developing explanations.	<a href="#">VCSIS086</a>
			Suggest improvements to the methods used to investigate a question or solve a problem.	<a href="#">VCSIS087</a>
			Communicate ideas and processes using evidence to develop explanations of events and phenomena and to identify simple cause-and-effect relationships.	<a href="#">VCSIS088</a>
			Design and Technologies	Technologies Contexts
	Investigate characteristics and properties of a range of materials, systems, components, tools and equipment and evaluate the impact of their use.	<a href="#">VCDSTC037</a>		

Design and Technologies	Creating Designed Solutions	Critique needs or opportunities for designing, and investigate materials, components, tools, equipment and processes to achieve intended designed solutions.	<a href="#">VCDSCD038</a>
		Generate, develop, communicate and document design ideas and processes for audiences using appropriate technical terms and graphical representation techniques.	<a href="#">VCDSCD039</a>
		Apply safe procedures when using a variety of materials, components, tools, equipment and techniques to produce designed solutions.	<a href="#">VCDSCD040</a>
		Develop project plans that include consideration of resources when making designed solutions.	<a href="#">VCDSCD042</a>
Mathematics	Measurement and Geometry	Choose appropriate units of measurement for length, area, volume, capacity and mass.	<a href="#">VCMMGI95</a>
		Connect decimal representations to the metric system.	<a href="#">VCMMG222</a>

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