

Material world

Level 2 and 3 investigating outcomes

Student	Stage	Key Learning Area	Date
		Science	

Task	Students plan and conduct an investigation of the thermal insulation capacity of materials.
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	Investigating unit outcomes	Beginning	Developing	Achieving
Level 2	Identify some variables that can be investigated.	Students can describe what a variable is.	Students can identify a variable in the investigation.	Students can identify a variable in the investigation and suggest how this variable might affect the outcome of the investigation.
	Make non-standard measurements and record data in a table.	Students can observe what happens during an investigation.	Students can make non-standard measurements.	Students can use non-standard measurements to complete a table about investigation results.

	Investigating unit outcomes	Beginning	Developing	Achieving
Level 3	Plan an investigation showing an awareness of the need for fair testing.	Students can identify what makes a test unfair.	Students describe what a fair test is.	Students describe what a fair test is and explain the importance of a fair test.
	Display results from tests as a graph and summarise patterns in results.	Students can discuss their results from tests.	Students can record results from tests on a graph.	Students can record results on a graph and identify and summarise patterns in the results.

Material world

Level 2 and 3 conceptual outcomes

Student	Stage	Key Learning Area	Date
		Science	

Task	Students represent what they know about the properties of materials and how they relate to use.
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	Conceptual unit outcomes	Beginning	Developing	Achieving
Level 2	Describe and compare the properties of materials.	Students can identify properties of materials.	Students can describe properties of the materials.	Students can describe materials and compare their properties.
	Identify an appropriate use for a material based on its properties.	Students can identify different materials.	Students can identify the different properties of materials.	Students can use their understanding of the properties of materials to identify how they can be used.

	Conceptual unit outcomes	Beginning	Developing	Achieving
Level 3	Select materials for various uses showing an awareness of consequences for humans and the environment.	Students can discuss how materials are selected for various uses.	Students describe how the use of materials impact on humans and the environment.	Students can select a material for a particular purpose based on their understanding of its impact on humans and the environment.
	Explain why the properties of a material make it suitable for a particular use.	Students can identify the uses of materials.	Students can describe the properties of particular materials.	Students can describe the properties of a material and explain why it is used for a particular purpose.