

## It's electrifying

### Science journal/work sample tag

Student	Stage	Key Learning Area	Date
		Science	

Level 3 unit outcomes	Beginning	Developing	Achieving
<b>c</b> Describe a circuit in terms of components that form a continuous path for the flow of electrons.			
<b>c</b> Describe how energy is stored and transferred within an electric circuit.			
<b>c</b> Explain the characteristics of conductors and insulators in terms of categories of materials.			
<b>i</b> Formulate a question for investigation and make a prediction.			
<b>i</b> Plan for the investigation showing awareness of the need for fair testing.			
<b>i</b> Summarise and explain observations made during an investigation.			

**c:** conceptual outcomes **i:** investigating outcomes  
PrimaryConnections Draft Assessment Resources

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Student	Stage	Key Learning Area	Date
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Level 4 unit outcomes	Beginning	Developing	Achieving
<b>c</b> Explain energy transfer within a circuit in terms of a flow of electrons.			
<b>c</b> Explain that electrical energy is changed into other forms of energy in a circuit and is not used up—that is, energy is transformed and not destroyed.			
<b>c</b> Explain differences between conductors and insulators in terms of electron flow through these materials.			
<b>i</b> Change one factor at a time when modifying circuits to test predictions about possible conductors and insulators and test sufficient samples to make reliable conclusions.			
<b>i</b> Formulate generalisations based on observations made during an investigation.			
<b>i</b> Make suggestions for improving the investigation.			

**c:** conceptual outcomes **i:** investigating outcomes  
PrimaryConnections Draft Assessment Resources