

Y4 Autumn and Spring Science Learning Challenge: How could we cope without electricity for one day?

Science Link	<ul style="list-style-type: none">• Identify common appliances that run on electricity• Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers• Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery• Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit• Recognise some common conductors and insulators, and associate metals with being good conductors.• Observe patterns of electricity, and that some materials can and some cannot be used to connect across a gap in a circuit.• That bulbs get brighter if more cells are added, that metals tend to be conductors.
English Link	<ul style="list-style-type: none">• Write an explanation text.• Research and report writing about scientists
Maths Link	<ul style="list-style-type: none">• Measuring and recording light.
Creative Art Link	<ul style="list-style-type: none">• Make a game that uses an electrical circuit.
Expressive Art Link	<ul style="list-style-type: none">•

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.Computing Link

- Camera.
- Data logger.