Christ Church CE Primary School
Science Assessment

'Train up a child in the way they should go and when they are old, they will not depart from it.'
Proverbs 22:6

Lower KS2 Yr 4	**Unit: Electricity** **Objective:** 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
	Core Curriculum Content:
Knowledge and understanding	**Expected**  List examples of appliances that run on electricity. Construct a simple circuit and name its components Predict whether a particular arrangement of components will result in a bulb lighting. Predict how the operation of a switch will affect bulbs lighting. Sort materials into conductors and insulators, identifying metals as conductors
Pupils	

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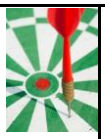
Knowledge and understanding	Working Towards 	Greater Depth 
	Recognise that some appliances run on electricity Construct a simple circuit. Understand that a complete circuit is needed for a circuit to operate. Describe the function of a switch. Identify metal as a conductor	Compare and contrast appliances that run on mains electricity with those that run on batteries. Identify the functions of components within a circuit. Explain why certain arrangements will not result in the bulb lighting. Explain how altering the location of a switch affects the operation of the circuit. Investigate graphite as a conductor and relate to other materials.
Pupils		

Pupils with additional needs have made the following responses .....

Beginning to recognise that some appliances run on electricity

Construct a simple circuit, with help

Beginning to understand that a complete circuit is needed for a circuit to operate

Describe the function of a switch, with help.

Identify metal as a conductor, with help.