



St Bartholomew's Knowledge Organiser	Class 4	Spring 1 Science – Year A	Electricity
What we will learn:		Science Knowledge	
In this unit you will learn: <ul style="list-style-type: none">➤ To revise your knowledge of electricity and think about what life would be like with no electricity.➤ Understand, in simple terms, what electric current is.➤ To construct simple electrical circuits and note down observations on a bulb's brightness and a buzzer's volume.➤ To draw accurate circuit diagrams using the correct symbols.➤ To look at circuit diagrams and predict how bright the bulb(s) will be and/or how loud the buzzer(s) will be.➤ To construct more complex parallel circuits and explain how they work.		<ul style="list-style-type: none">➤ Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.➤ Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches.➤ Use recognised symbols when representing a simple circuit in a diagram.	
Important Vocabulary		Science skills we will develop:	
Circuit, complete circuit, circuit diagram, circuit symbol, cell, battery, bulb, buzzer, motor, switch, voltage, electric current, atom, electrons, insulator, conductor, parallel circuit.		<ul style="list-style-type: none">➤ Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.➤ Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.➤ Record data and results of increasing complexity using tables, scatter graphs, bar and line graphs.➤ Use test results to make predictions to set up further comparative and fair tests.➤ Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.➤ Identify scientific evidence that has been used to support or refute ideas or arguments.	