



St. Francis Xavier's RC Primary School

Science Unit Guidance and Formative Assessment

Year Group:	6 Summer 1	Subject:	Science
Unit:	Electricity	Prerequisite Learning and Curriculum Links	<p>EYFS ELG The Natural World Explore the natural world around them, making observations and drawing pictures of animals and plants; know some similarities and differences between the natural world around them and contrasting environments; understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</p> <p>Year 1 Every day Materials Year 2 Materials Year 3 Light Year 4 Electricity Year 5 Properties and changes of materials</p>

ROCKS (Remembering Our Curriculum Knowledge and Skills)	
To know the functions and symbols of electrical components.	
To know the effect of changing the number of bulbs and the voltage of cells in an electrical circuit.	
To understand the function and operation of a two way switch.	
To understand why an electrical circuit would or would not function and solve faults.	
Progressive Journey:	Skills:
Match electrical components by name and symbol. Plan and investigate to answer the scientific question ‘What is the effect of changing the number of bulbs and the voltage of cells in an electrical circuit?’ To connect and electrical circuit using a circuit diagram and create a traffic light with a two-way switch. To solve problems looking at defective circuit diagrams.	To remember the components of electrical circuits and their symbols. To plan, carry out and record a scientific investigation and interpret the results. To use a circuit diagram to construct a working traffic light. To interpret circuit diagrams and test them using real components.
Key Vocabulary bulb buzzer motor circuit voltage cell voltmeter conductor insulator current resistance	