



All Saints CE Primary School and Nursery

Medium Term Planning



Class teacher: Lisa Edwards Year group: 6 Term: Autumn 2 Subject: Electricity

British Values

Lesson	Learning Goal (L.G.)	Brief outline of lesson content (or where this can be found/unit found in, if for example it is a published scheme such as Science, Kapow French or Music, Purple Mash computing)	Key Vocabulary covered
1	L.G.: construct and draw series circuits using symbols	Changing Circuits - White Rose 1. Create series circuits, draw and label using accurate symbols What is a series circuit? What would happen if the cells or batteries were removed from the series circuit? Respect	series circuit, cell, battery, bulb, current, voltage, switches, buzzers, symbol
2	L.G.: investigate ways in which the brightness of a bulb or the speed of a motor is changed	Changing Circuits - White Rose 2. Explore reasons why a circuit may be incomplete, draw and label using accurate symbols Why does this circuit not work? Respect	series circuit, cell, battery, bulb, current, voltage, switches, buzzers, symbol, complete, incomplete
3	L.G.: variations within circuits	Changing Circuits - White Rose 3 Create circuits and observe how varying components may change the brightness of the bulb, loudness of a buzzer. What do you notice about the brightness of the bulb when more components are added to the circuit? Why does the brightness of a bulb and loudness of a buzzer decrease when more components are added to the circuit? Record observations Respect	series circuit, cell, battery, bulb, current, voltage, switches, buzzers

4	L.G. plan and carry out an experiment	<p>Changing Circuits - White Rose 4 & 5.</p> <p>How does the voltage in a circuit affect the loudness of a buzzer/ brightness of a bulb?</p> <p>Plan and carry out experiment. Evaluate findings.</p> <p>How will you find out how voltage affects the loudness of a buzzer? What variable will you change/measure/keep the same?</p> <p>Respect</p>	Fair test, equipment, hypothesis, predict,
5	L.G.: evaluate an experiment	<p>Changing Circuits - PlanBee Lesson 6.</p> <p>Evaluate experiment</p> <p>Respect</p>	Evaluate, repeatability, conclusion