ELECTRICITY

SCIENCE

Physics

National curriculum objective
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.

Key Vocabulary (topic words must be spelt correctly throughout topic)

ammeter	amps	appliance	batteries
brightness	buzzer	cell	circuit
circuit diagram	closed	components	fair test
insulator	lamp	motor	observe
open	series circuit	switch	symbols
variable	voltage	voltmeter	volume

Disciplinary – Science Words Substantive – Subject Knowledge Bigger Picture – Support words

Glossary of key terms you want to remember

component	
voltage	
circuit	
fair test	
variable	

Question Driven outcomes for knowledge:	Date	Teacher
How does the voltage or number of cells effect the brightness of a lamp and the volume of a buzzer?		
Thinking about, bulbs, buzzers and switches, why are there variations in how components work?		
How can we use recognised symbols to represent a simple, working, series circuit?		