Year 6 Spring 2 STEM challenge (science investigators)

Week	NC objectives	REMEMBER	KNOW
		(prior knowledge)	(new knowledge)
1 2 3 4 5 6	 use recognised symbols when representing a simple circuit in a diagram. associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit reporting and presenting 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 	 How to be safe using electricity identify and compare the suitability of a variety of everyday materials know how to manipulate them to create desired outcome know how to make conclusions from an 	 Know how to use symbols to draw and plan an electrical circuit Know how to adjust components of a circuit to alter the outputs
	LO: to know how to create a simple circuit using an output	 experiment's results Know how to construct a simple circuit Know how to use different outputs within a circuit (buzzer, bulb) and control 	 Know how changing the voltage and power source can affect brightness of a bulb/volume of a buzzer
	LO: to use scientific understanding to design a product	 with a switch Know how to explain observations using scientific 	- Know how to set up an
	LO: to build and construct using design LO: to test and evaluate designs	vocabulary - Know how to present information and evaluate	experiment to draw conclusions
	LO: to present scientifically	based on simple experiments	 Know how to evaluate a product using scientific understanding

	 recognise some common conductors and insulators, and associate metals with being good conductors 	and aspects of design functionality
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