Spring Term 2023-24 Middelton

Spring Inventions	Engages with debate	Vocabulary	Technical Knowledge	Research	Design	Make	Evaluate
KS1	How can electricity be		Know what a series circuit is.		Design a functional	Make a product, selecting	Evaluate their
	used to help us?	Circuit		Invent a battery	product based on a	and using a range of	product against a
Electricity		Electricity Faults	Know that the cell or battery provides the power.	powered product to help people in	design criteria.	materials and components.	design criteria.
		Batteries Design Wire Component	How to find faults in circuits and battery operated devices	everyday life	<mark>Sustainability</mark> Technological change <mark>Equality</mark>		
LKS2	How do toys use electricity to entertain	Switches Buzzers	The difference between a	Research existing products with circuits	Design their own product and circuit.	Make a product including a circuit.	Refine work and techniques as work
Electricity	children?	Bulbs Motors Circuits Series circuit Parallel circuit Wires System Electrical Disassemble	series and parallel circuit. How to use electrical systems in their products [such as switches, bulbs, buzzers and motors] How to test if a circuit will work or not.	by disassembling and investigating how they work. Sustainability Technological change	Sho.	Sustainability Technological change Equality Legacy	progresses, continually evaluating the product design. Sustainability Technological change Equality Legacy