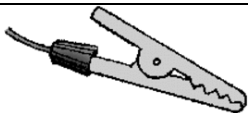
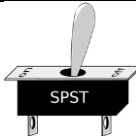
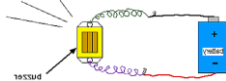


DT Knowledge Organiser – create an electric warning system and cooking

This term DT will be linked to science topic, which is electricity. The children will be given a scenario that they have an annoying younger sibling that will not stay out their private place; therefore, the children will be making a working alarm system to alert them when their property is disturbed. In cooking, children will be making corned beef hash (linked to history unit) and mini lemon meringue pies to share at this year's Billingham Big Picnic.

Cooking	
Corned beef hash	
Mini lemon meringue	
Grating harder foods e.g. carrots or potatoes.	Whisking egg whites
Season to taste	Using a lemon squeezer
Mashing	Handling, rolling and cutting shortcrust pastry
Draining through a sieve or colander	Using hob with adult supervision

Knowledge	
Know how Edison brought the light bulb to the masses but didn't actually invent it.	
Investigate and analyse a range of existing alarm systems knowing how and why they are used.	
Know how to make a series circuit.	
Evaluate the usefulness of their alarm and suggest ways it could be improved.	

Key vocabulary		
Crocodile clip	Device similar shape to a clothes peg that connects wires and other components of a circuit.	
Circuit	A complete path through which an electrical current can pass.	
Switch	A device which makes or breaks a circuit allowing a component to be turned on or off.	
Cell	A single battery is called a cell. Put two or more together and it is called a battery.	
Wire	A string of wire allowing components of a circuit to be connected.	
Buzzer	Device which emits a noise when connected to a working circuit.	
Conductor and insulator	Materials that either allow or prevent electricity to pass through.	

