Objectives and Sticky Knowledge

Previous Knowledge:



CHRISTUS

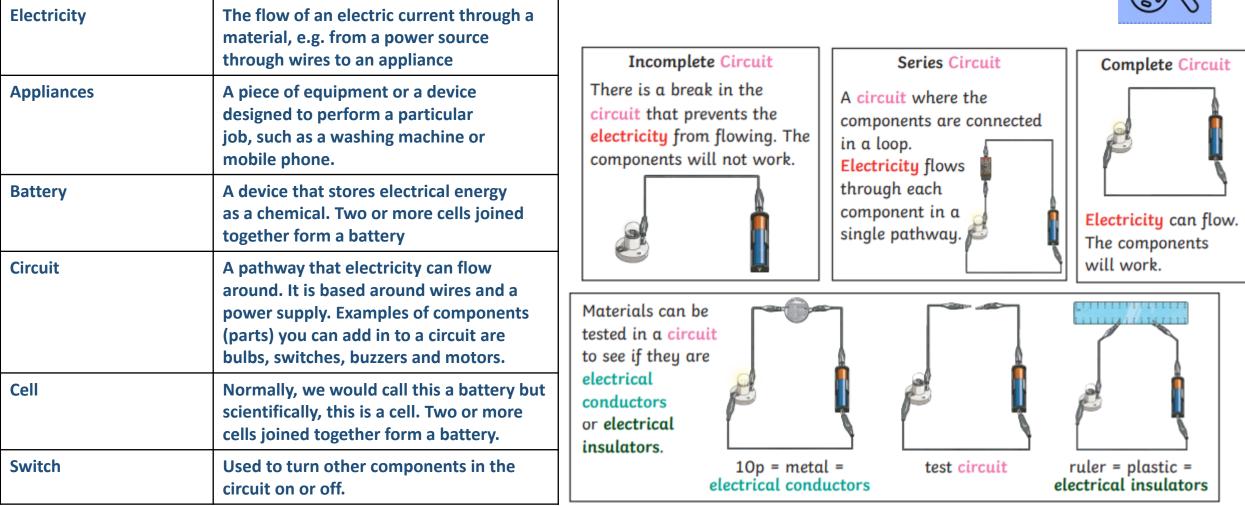
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Land Objectives and Sticky Knowledge:

- Identify and name appliances that require electricity to function.	- Construct a series circuit.	 Predict and test whether a lamp will light within a circuit. Know the function of a switch. 	- Know the difference between a conductor and an insulator; giving examples of each.
 I know that appliances that require mains electricity will have a plug. I know that some appliances can work using batteries. I know that televisions, kettles, toasters and microwaves require mains electricity. I know that laptops, tablets and phones can run on batteries that need to be recharged. 	 I know that a series circuit is where the components are connected in a loop. I know that electricity flows through each component in a single pathway. 	 My circuit is complete when electricity can flow through all components and the bulb lights up. I can identify when a circuit is complete. I can identify when a circuit is incomplete and how to solve the problem. I know that a switch turned off will stop the flow of electricity. I know that a switch turned on will complete the circuit and allow electricity to flow through the circuit. 	 I know that a conductor allows electricity to flow through it. I know that an insulator will not allow electricity to pass through. Examples of conductors: metals- wires, coins, keys, paperclips, screw. Examples of insulators: wood, plastic, rubber, fabric, glass.
<u>Sea:</u> Links with 'Communication' Golden Thread		Links to CST and CTK values:	

Year 4 Science - Electricity Knowledge Organiser

Key Vocabulary



Sky Objectives:

- 1. Begin to understand which types of enquiry can be used to answer questions.
- 2. Conduct comparative tests and explain the changes in results.
- 3. Use concluding remarks to begin to make predictions for future investigations.

