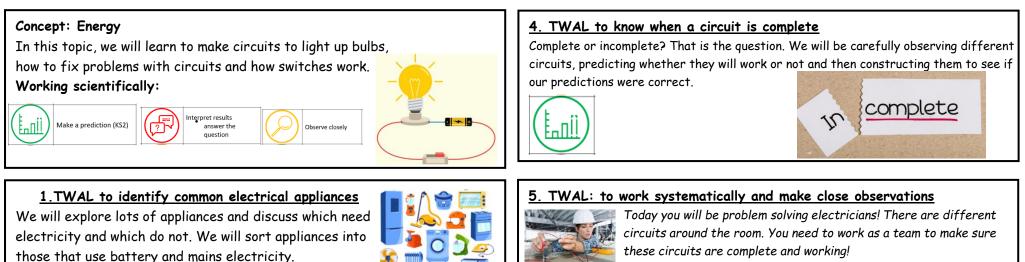
Year 4 – Switch it up! ELECTRICITY- SIMPLE CIRCUITS ENERGY SCIENCE SUMMER 1

Prior Learning: Children will understand that a light source can be man-made.



Electrical appliances can get energy from mains or battery

2. TWAL to construct and label a simple circuit

To we will be constructing our own simple circuit to make a light bulb shine! Then you will draw and label your circuit. Get ready for that light bulb moment!





Simple circuit needs a bulb, a cell, and wires to connect the components in a circuit.

3. TWAL to explain how a switch works

We investigate how stickes affect a simple circuit. We will use this to interpret our results and answer the guestion: How does a switch work?



A switch can break a circuit to turn off the appliance



OFF

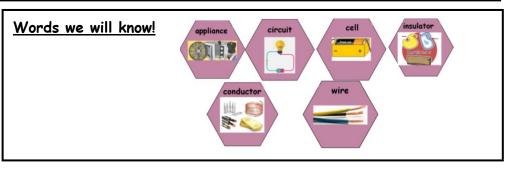
6: TWAL: to know some common conductors and insulators

We will investigate which materials are conductors and which are insulators of electricity by making our own simple circuits and putting different materials into the circuit to see if it works!



terpret results answer the

Insulators stop electricity flow. Conductors allow it.





A circuit must be complete for it work



