

Electricity Construction

Prior Knowledge

Year 3 science: Light. All light comes from a source, this can be a natural source or an electrical source.

Year 2 science: Use of everyday materials. Materials have different properties.



My Component Knowledge:

Lesson 1: I know what an electrical circuit is.

Lesson 2: I can explain if an electrical circuit will light a bulb or not and why.

Lesson 3: I know that it doesn't matter where a switch is placed in an electrical circuit.

Lesson 4: I know some materials that conduct electricity.

Lesson 5: I know that not all materials conduct electricity.

Lesson 6: I can explain why mains electricity is dangerous and know how to keep safe when using it.

My Composite Knowledge:

I understand the uses of electricity and can identify the dangers of it.

My Powerful Knowledge:

I understand that electricity is a form of energy. I know that some materials are electrical insulators and some are electrical conductors and that these materials have different uses. I understand the dangers of using electricity and know how to keep myself safe.

Key Vocabulary

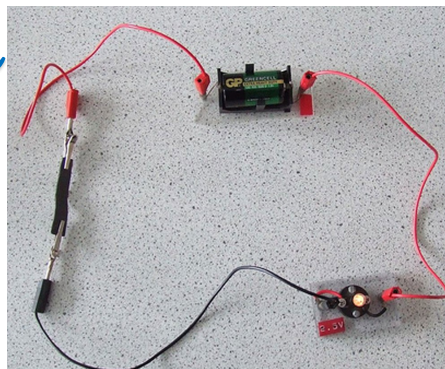
Tier 1: Bulb, battery, metal, plastic, electricity, energy

Tier 2: Buzzer, motor, break, appliances, component, device, source

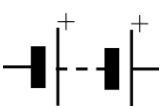
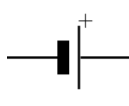
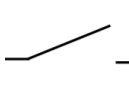



Tier 3: Conductor, insulator, current, generate



What would the circuit diagram look like for this circuit?



What is a complete circuit?
What is a broken circuit?

					
Battery	Cell	Switch	Bell	Bulb	Buzzer