

Learning Flow

Year 4– Science– Term 3 – Electricity

What do we already know?

Topic Toolkit – Prior knowledge , What is Science?
Why it important? What do we already know?
What questions do we have?

Recap– Prior Knowledge– Everyday materials,
electrical appliances, safety.

SA4– The pupil can identify appliances that run on electricity
and explain conductor and insulator.

How can we make a simple electric circuit?

- Name components.
- Build and draw a simple circuit.
- Problem solve why a circuit might not be working.

SA4– The pupil can use simple apparatus to construct and control a series circuit, and describe how the circuit may be affected when changes are made to it; and use recognised symbols to represent simple series circuit diagrams

How do conductors and insulators work?

- Recognise common conductors and insulators.
- Sort materials into conductors and insulators.

SA4– The pupil can identify appliances that run on
electricity and explain conductor and insulator.

Why was Edison's discovery important?

- Understand Edison's contribution to electric lighting.
- Connect historical developments to modern circuits.

Why does a bulb light (or not light)?

- Investigate working and non-working circuits.
- Predict whether bulbs will light.
- Explain why some circuits do not work.

SA4– The pupil can use simple apparatus to construct and control a series circuit, and describe how the circuit may be affected when changes are made to it; and use recognised symbols to represent simple series circuit diagrams

What do we know now?

- Knowledge demonstration– Draw it & make it (circuits)
- Quiz.