

# 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.