



# Flashing Angels!

## Year 4 Autumn Term Key Knowledge Organiser

### Key Vocabulary and Spellings

|           |  |
|-----------|--|
| Circuit   | A system with wires, power sources and bulb where electricity flows. |
| Conductor | Something that helps the flow of electricity.                        |
| Control   | Something that can stop and start the flow of electricity.           |
| Fault     | A break in the flow of electricity.                                  |
| Input     | The energy put in to power the circuit.                              |
| Insulator | Something that limits the flow of electricity.                       |
| Output    | Something happening e.g. a light bulb flashing.                      |
| Switch    | A controlled break in the circuit.                                   |

### Key Facts:

- Fire was used originally for light and warmth during the Stone Age era.
- Thomas Edison created the first lightbulb and began to realise how electricity could light peoples' homes. He also invented the electric lamp.
- A lighting system needs a working circuit to function. This has to have a battery and a bulb. It can also have a switch so that it can be turned on and off.
- Electrical products have a purpose, they are all designed to do something. Traffic lights are designed to allow traffic to flow peacefully and burglar alarms are a monitoring system for house security.

### Thomas Edison

