Year 6 – Spring 1 HOME LEARNING Science: Electricity Physics



This is our learning journey in class:

Building component knowledge - Electricity

How can we represent a simple circuit in a diagram?

How does the number of batteries affect the brightness of the bulb?

What else impacts the brightness of a bulb in a circuit?

What can effect the function of a component in a circuit? How can I use my knowledge of electrical components to make a device?

HOME LEARNING PROJECT: Electrical Devices in the Home!

Have a look around your home for anything that is powered by electricity. It could be either mains or battery powered.

- Project Option 1: Create a timeline of these appliances. Include your initial thoughts on the
 order in which each item was invented and the actual timeline with invention dates. Include
 information about the inventor of each item and if any item has had a 'rebrand' or 'upgrade'
 since it was first invented. Are there any surprising or fun facts about the invention of any
 device?
- Project Option 2: Create a timeline for one of these devices (for example the television).
 Include detailed information on the inventor and first model. How did it work? How much did
 it cost originally? How many people or homes had access to this device? How many times
 has this device been 're-invented' and what are the changes between the latest and the
 original model?

Project format: power point, booklet, poster, model (it's up to you!)

Project deadline: Monday 10th February 2025

Prizes awarded for: presentation, entertainment and information

The Science Museum would be a good place to visit for this project – it's free to enter, you just need to book a time slot for entry.