



# Year 4 Summer Term: Electrical Systems

Main Theme: International

PSHE Link: Respect



## Key Skill – Electrical Systems- Simple circuits and switches

### Prior Learning

Links to prior learning – KS1 units

### Key Vocabulary

**Circuit** - path through which electricity passes.

**Conductor** - a material which allows an electric current to pass through it.

**Insulator** - a material which does not easily allow electric current to pass through it.

**System** - a set of related parts or components that together achieve a desired outcome.

### Enquiry Questions

**What features are required to fit the design brief of creating a board game with an electrical system?**

Can I research and investigate different electrical board games and their features?

Can I design a board game with a user, function and purpose in mind?

**What design features are required?**

Can my board game light up or buzz when it is played?

Can I use an electrical circuit to power a board game?

**What additional details and skills can be used to finish my product?**

Can I use equipment safely?

Can I evaluate my board game against my design criteria?

