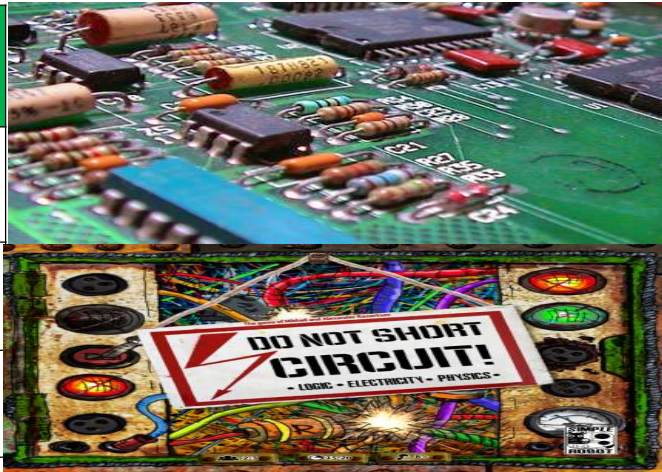


The Big Question: Could you be next apple apprentice?

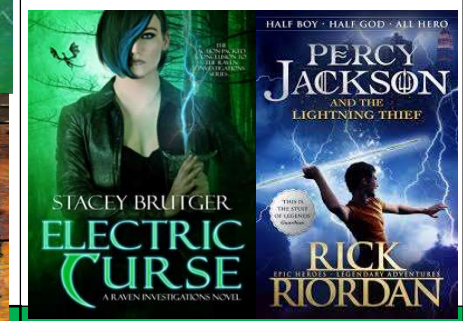
LQ1	Can you create a circuit that has at least one of these features: switch; buzzer; motor?
LQ 2	Can you measure the output of the basic parts of a simple electric circuit?
LQ 3	How does a change in a parallel circuit affect an outcome?
LQ 4	How does electricity arrive at our plug sockets?
LQ 5	What are the different types of switches and can you make some?
LQ 6	How would you go about selling your product?
End Product	Electrical board game
Links to units.	Electricity Y4 Renewable energy Emerging technologies Electrical circuits How to measure current and voltage- KS3
Cross-curricular links	DT – making a board game English – persuasive writing
Character curriculum	Team work and resilience



Sticky Knowledge

- I know that a battery and mains are sources of electricity.
- The basic parts of a circuit are: cells, wires, bulbs, switches and buzzers .
- Number of volts, length of wire, thickness of wire, number of bulbs and broken equipment are reasons for a bulb to be brighter or dimmer.
- Commonly used batteries are 1.5, 9, and 12 volts.
- I know what a parallel circuit is.
- Mains electricity is 240v
- A fuse is in a circuit to protect appliances and us
- A fuse is a wire designed to break if too much electricity passes through it.
- I can make a bulb brighter.

Exciting Books



Vocabulary

- Circuit
- Battery
- Buzzer
- Bulb
- Sequence
- Programme
- Volts
- Appliances
- Fuse
- Sequenced
- Renewable