

End Points

Year 4 – Electric Christmas cards



What I know and can explain

- To understand that an electrical system is a group of parts (components) that work together to transport electricity around a circuit.
- To understand common features of an electric product (switch, battery or plug, dials, buttons etc.).
- To list examples of common electric products (kettle, remote control etc.).
- To understand that an electric product uses an electrical system to work (function).
- To know the name and appearance of a bulb, battery, battery holder and crocodile wire to build simple circuits
- Generate a final design for the electric card with consideration to the client's needs and design criteria.
- Design an electric card that fits the requirements of a given brief.
- Plan the positioning of the bulb (circuit component) and its purpose.
- Measure and mark materials out using a template or ruler.
- Fit an electrical component (bulb).
- Learn ways to give the final product a higher quality finish (e.g. concealing a roughly cut edge)

Useful vocabulary

battery
bulb
circuit
crocodile wires
electrical product
electrical system
final design
initial ideas

peer assessment
research
self assessment
sketch

