FSC Course: Faraday's Electricity (KS1)

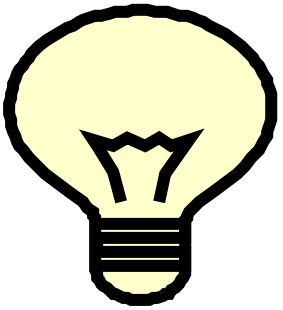
QCA Unit 2F Using Electricity

PROVISIONAL PROGRAMME

Introduction
Meet your guide for the day, Michael Faraday. Discover what electricity is, how he discovered it, and how to use it safely.

Substation Tour
Find out what happens inside the substation and how electricity gets transported to your homes.

Alternative Energy
Construct circuits using solar panels, wires and motors.
Use models to illustrate how electricity can be generated using wind and water power.



LEARNING OUTCOMES

most children will (N.C. Level 2a – 3c):

- identify appliances which use electricity
- tell someone that mains sockets are dangerous and that plugs should not be touched with wet hands
- make working circuits
- recognise simple drawings of circuits which will not work and explain why

some children will not have made so much progress and will (N.C. Level 2):

- identify appliances which use electricity
- make working circuits with help

some children will have progressed further and will also (N.C. Level 3):

- be able to represent working circuits in drawings

SAFETY All activities and sites are risk assessed. Adult: child ratio of 1:6.

CLOTHING Appropriate outdoor clothing. Indoor & outdoor footwear.

TRANSPORT

BEHAVIOUR Teachers are responsible for good behaviour & lunchtime supervision.

NAME LABELS If possible please provide pupils with name labels.

SHOP Pocket money for the shop.

RESOURCES All resources are provided.

ICT Use of digital cameras to record the day's activities.

ASSESSMENT
Progress assessed by open-ended questioning, making and testing predictions, and plenary, including AfL games

PRIOR LEARNING
Understand that everyday appliances use electricity.

FUTURE LEARNING
Design and construct circuits.