

YEAR 4

DESIGN TECHNOLOGY

ELECTRICAL SYSTEMS

STICKY KNOWLEDGE

Volta discovered a steady flow of electric current for first time and unleashed a wave new discoveries and technologies.

Battery-powered products have evolved (changed) over time: many are now rechargeable and portable (phones).

DESIGN

Design: how you want your product to look.

Annotated sketches: labelled diagrams

Cross-sectional diagrams: drawing what your design would look like if you 'cut-through' it

Prototypes: models what we think our product might look like

MAKE

Electrical systems: things that use batteries and electricity to work

Aesthetic qualities: how good it looks

Wires, batteries, bulbs, switches, lights: parts of the electrical system

EVALUATE

Compare: how much does your product look like your design?

Original design: what you thought your product would look like in the beginning

Evaluate: decide how well the process went

FAMOUS PERSON

ALESSANDRO VOLTA (1745– 1827)

Volta was an Italian scientist and pioneer of electricity and power. He is thought of as the inventor of the first electric battery. Volta proved that electricity could be generated chemically.

