



WE'VE GOT THE POWER: curriculum links

Ri school shows create excitement and engagement with science, that skilled teachers can exploit for the children's benefit. Show content can be linked to the following curriculum topics in the classroom:

Progression step 2

Being curious and searching for answers

- I recognize that what I do and the things I use can have an impact on my environment

Atomic Nature of Matter

- **Chemical reactions** – materials can react to form something new

Forces and Energy

- **Energy** – ways that energy can be stored and transferred
- **Electricity** – some materials (conductors allow electricity to flow
- **Magnetism** – some materials are magnetic and are affected by magnetic fields

Progression step 4

Being curious and searching for answers

- I can describe positive and negative impacts of science and technology on society

Atomic Nature of Matter

- **Structure of materials** – distinguish between elements and compounds, word equations for chemical reactions
- **Properties of materials** – properties of compounds are different from their constituent elements
- **Chemical reactions** – different types of chemical reactions

Forces and Energy

- **Energy** – ways that energy can be stored and transferred
- **Electricity** – static electricity is caused by the transfer of electrons, charge and energy
- **Waves** – the properties of waves and how they transfer energy
- **Magnetism** – some materials are magnetic and are affected by magnetic fields

Progression step 3

Being curious and searching for answers

- I can describe positive and negative impacts of science and technology in my everyday life

Atomic Nature of Matter

- **Chemical reactions** – indicators of chemical reactions

Forces and Energy

- **Energy** – ways that energy can be stored and transferred
- **Electricity** – the uses of electricity; the different types of electricity
- **Waves** – the properties of waves and how they transfer energy
- **Magnetism** – some materials are magnetic and are affected by magnetic fields





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WALES

WE'VE GOT THE POWER: key vocabulary

Sustainability

Capacitor

Fuels

Carbon dioxide

Energy

Atmosphere

Infrared

Greenhouse gas

Electricity

Magnet

Generator

Electrons

Static electricity

Charge

Battery

Electrolysis

