



ENERGY LIVE: 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:

First

Planet Earth

- **Biodiversity and interdependence** – energy from the sun can be taken in by plants to provide the major sources of food for all living things (SCN 1-02a)
- **Energy sources and sustainability** – identifies and talks about types of energy (SCN1-04)
- **Processes of the planet** – describe changes of states of water (SCN 1-05a)

Forces, Electricity and Waves

- **Forces** – magnets exert a non-contact force, give examples of how magnets are used in everyday life (SCN 1-08a)

Third

Planet Earth

- **Processes of the planet** – applied understanding of models of matter to explain changes of state in terms of energy being gained or lose (SCN 3-05a)

Forces, Electricity and Waves

- **Forces** – gravitation pull and gravitational field strength, for example, different altitudes on earth (SCN 3-08a)
- **Vibrations and waves** – exploring radiations beyond the visible (SCN 3-11b)

Second

Planet Earth

- **Biodiversity and interdependence** – describe how energy flow between plants and animals (SCN 2-02a)
- **Energy sources and sustainability** – identifies the common types of energy, energy can be converted from one form to another, energy cannot be created or destroyed (SCN 2-04a)

Forces, Electricity and Waves

- **Forces** – charges produce an electrostatic force, magnets forces can both attract and repel (SCN 2-08a)

Materials

- **Properties and uses of substances** – describe characteristics of solids, liquids and gases (SCN 2-15a)
- **Chemical changes** – discuss the uses of water for example to generate electricity (SCN 2-18a)





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ENERGY LIVE: key vocabulary

Energy Work Movement Heat

Store Gravitational

Magnetic Elastic Electrostatic

Nuclear Kinetic

Thermal Chemical Gravity

Magnet Radiation Generator

