

71 Energy	Knowledge, Skills and Understanding
Higher	<p>L5 Calculate the energy requirements for a particular person or activity</p> <p>L5 Identify useful and wasted energies.</p> <p>Decide and explain the best energy resources to use in an area</p> <p>Describe energy transfer chains for given situations.</p> <p>Describe energy transfer chains for given situations</p> <p>Explain whether a machine is more efficient than another</p>
Intermediate	<p>Explain the differing energy needs of people of different ages and activity levels.</p> <p>Recall the law of conservation of energy</p> <p>Identify situations in which energy is stored</p> <p>Identify situations in which an energy transfer is taking place</p> <p>Describe energy transfer chains for given situations.</p> <p>Describe the factors that make up a good fuel</p> <p>Compare the temperature rise of water when some fuels are burnt</p> <p>Describe what happens in a fuel cell</p> <p>State the meaning of: hydroelectricity, geothermal, solar energy, wind energy, tidal power</p> <p>Recall examples of renewable fuels and their sources</p> <p>Recall the different ways in which energy can be stored</p> <p>Recall the different ways in which energy can be transferred.</p> <p>Identify useful and wasted energies</p> <p>Describe advantages and disadvantages of different renewable energy resources</p> <p>Suggest ways in which our use of fossil fuels/non-renewable fuels can be reduced</p> <p>Identify situations in which energy is stored</p> <p>Identify situations in which an energy transfer is taking place</p> <p>Explain how certain gases cause the greenhouse effect</p> <p>Explain how the levels of greenhouse gases in the atmosphere can be prevented from increasing further</p> <p>Explain the source of the energy in fuels.</p>
Foundation	<p>Compare the temperature rise of water when some fuels are burnt</p> <p>Identify situations in which energy is stored</p> <p>Identify situations in which an energy transfer is taking place</p> <p>Recall the factors that affect the amount of energy needed in a person's diet</p> <p>Describe the factors that affect body mass</p> <p>Recall some substances that are used as sources of energy.</p> <p>Identify situations in which energy is stored</p> <p>Identify situations in which an energy transfer is taking place</p> <p>Recall the different ways in which energy can be stored</p> <p>Recall the different ways in which energy can be transferred.</p> <p>Recall what power stations are used for</p> <p>State the meaning of: biomass/biofuel, fuel, renewable, non-renewable</p> <p>Describe advantages and disadvantages of different energy resources</p> <p>Recall examples of renewable and nonrenewable fuels and their sources</p> <p>Recall the different ways in which energy can be stored</p> <p>Recall some substances that are used as sources of energy.</p> <p>State the meaning of: hydroelectricity, geothermal, solar energy, wind energy, tidal power</p> <p>Recall examples of renewable fuels and their sources</p> <p>Recall the different ways in which energy can be stored</p> <p>Recall the different ways in which energy can be transferred.</p> <p>State the meaning of: efficiency, climate change</p> <p>Recall some effects of climate change</p> <p>Recall the different ways in which energy can be stored</p> <p>Recall the different ways in which energy can be transferred</p> <p>Recall some substances that are used as sources of energy</p> <p>Recall examples of renewable and nonrenewable fuels and their sources.</p>