

Science topics	Section layout	Accompanying worksheets	Lesson considerations
<ul style="list-style-type: none"> ● Sustainability. ● Greenhouse effect. ● Conductors and insulators. ● Energy saving building design. ● Solar cells. ● Recycling building materials. ● Solar tubes. 	<p>Virtual tour of a new primary school shows how modern technology and architectural design can harness natural energy e.g. sun and wind to heat and cool buildings. The building is built into the earth to shelter from the wind and provides insulation. There are three overview pages:</p> <ul style="list-style-type: none"> ● south-facing side of the school. ● north-facing side of the school. ● typical classroom. <p>With links to deeper pages where students can find out more about the greenhouse effect and conduction.</p>	<p>The design features of a more sustainable school Looks at the design features of a sustainable building and should be completed with the website open to look up answers.</p> <p>Designing a more sustainable building Should only be attempted after completing the worksheet on the design features of a more sustainable school and becoming familiar with the Primary school section of the website.</p> <p>Let there be light with less energy Compares the energy and financial costs of three different types of bulb (old incandescent bulbs, low-energy fluorescent bulbs and LED bulbs).</p>	<p>A tour through the Primary school section of Future Town is best used after studying heat transfer.</p>