

# Home Learning ideas for ‘Energy and Sustainability’

<p><b>To investigate the life history of a food.</b></p> <p>In this sustainability activity, you will need to select a food item and explore the three stages of the item’s life.</p> <ol style="list-style-type: none"> <li>1. Production</li> <li>2. Sale</li> <li>3. Disposal</li> </ol> <p>Plot the information you find into a “Life History of Stuff” timeline.</p>	<p><b>To investigate ways of reducing your Carbon Footprint.</b></p> 	<p><b>Trip Tally.</b></p> <p>Record your travel for a few weeks. The type of data you need to capture for each trip may include:</p> <ul style="list-style-type: none"> <li>• mode of transport</li> <li>• the distance of the trip</li> <li>• number of passengers</li> <li>• and possible alternative modes of transport</li> </ul>	<p><b>Research ‘Living Things Need Energy’.</b></p> <p>Create an informative powerpoint of your research.</p>
<p><b>Electric Cars as an introduction to Renewable energy.</b></p> <ul style="list-style-type: none"> <li>• Explore the use of electric cars.</li> <li>• Research different models of all-electric and hybrid cars, compare and contrast the technical and design features of each.</li> <li>• create flow diagrams that illustrate the process of sourcing and generating energy from renewable and non-renewable sources,</li> <li>• and design a vehicle that uses at least one form of renewable energy.</li> </ul>	<p><b>Go on a nature scavenger hunt.</b></p> <p>Look at how different elements of our environment are interconnected – such as water, plants and animals.</p> <p>Extend this by brainstorming and drawing a mind-map of how different elements of our environment are connected to one another.</p>	<p><b>Found Object Short Story.</b></p> <p>Find an object or item to use as the inspiration for a short story. It may be something you collected during your nature walk, a food product examined in the Life History of Stuff activity), or a commercial item that you already own. Brainstorm some of the major issues surrounding sustainability, such as:</p> <ul style="list-style-type: none"> <li>• water</li> <li>• non-renewable and renewable energy</li> <li>• greenhouse gases</li> <li>• recycling</li> <li>• or landfill.</li> </ul> <p>Select one issue from the list to use along with your item as the stimulus for a short story.</p>	<p><b>Read – All the Wild Wonders – Poems of our Earth.</b></p> <p>Write your own poem about our earth.</p>