


Home Learning ideas for 'Energy and Sustainability'

<p>To investigate the life history of a food.</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"> 1. Production 2. Sale 3. Disposal <p>Plot the information you find into a "Life History of Stuff" timeline.</p>	<p>To investigate ways of reducing your Carbon Footprint.</p> 	<p>Trip Tally.</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"> • mode of transport • the distance of the trip • number of passengers • and possible alternative modes of transport 	<p>Research 'Living Things Need Energy'.</p> <p>Create an informative powerpoint of your research.</p>
<p>Electric Cars as an introduction to Renewable energy.</p> <ul style="list-style-type: none"> • Explore the use of electric cars. • Research different models of all-electric and hybrid cars, compare and contrast the technical and design features of each. • create flow diagrams that illustrate the process of sourcing and generating energy from renewable and non-renewable sources, • and design a vehicle that uses at least one form of renewable energy. 	<p>Go on a nature scavenger hunt.</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>Found Object Short Story.</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"> • water • non-renewable and renewable energy • greenhouse gases • recycling • or landfill. <p>Select one issue from the list to use along with your item as the stimulus for a short story.</p>	<p>Read – All the Wild Wonders – Poems of our Earth.</p> <p>Write your own poem about our earth.</p>