

Learning Activities	Communication	Supporting Sites
<p><b>Topic:</b> Design a planter</p> <p><b>What do you want students to know?</b></p> <ul style="list-style-type: none"> <li>To learn and apply effective research techniques.</li> <li>To develop communication of ideas and apply creative thinking techniques.</li> <li>To apply rapid prototyping skills to a physical model.</li> <li>To evaluate effectiveness of design solutions and make improvements.</li> </ul> <p><b>What do you want them to produce to demonstrate learning?</b></p> <p><b>Learning Objective:</b></p> <p>Please see the powerpoint presentation in ‘Technology Resources Planter Project’ document.</p> <ol style="list-style-type: none"> <li>Carry out research into materials</li> <li>Research existing product.</li> <li>Design and annotating drawings</li> <li>Create models</li> <li>Review changes that they could make</li> </ol> <p><b>Resources needed:</b> Pen, lined paper, colouring pencils, computer, internet connection and some packaging that they might normally throw away.</p>	<p><b>Key Vocabulary (list 10 words per week)</b></p> <p>Recycling Reduce Reuse Plastic Paper Sustainability Repair Design Model Create</p> <p><b>What would you like them to read?</b></p> <p>Read the information from the supporting websites.</p>	<p><b>Signpost to:</b></p> <p><b>Videos:</b></p> <p>Research Recycling:  <a href="https://www.youtube.com/watch?v= 6xINyWPpB8">https://www.youtube.com/watch?v= 6xINyWPpB8</a>  <a href="https://www.youtube.com/watch?v=erGnf7ws20E">https://www.youtube.com/watch?v=erGnf7ws20E</a>  <a href="https://www.youtube.com/watch?v=glAPkpeKvfE">https://www.youtube.com/watch?v=glAPkpeKvfE</a></p> <p>About Recycling:  <a href="https://www.youtube.com/watch?v=Ws81nMG290w">https://www.youtube.com/watch?v=Ws81nMG290w</a>  <a href="https://www.youtube.com/watch?v=G4H1N_yXBIA&amp;t=3s">https://www.youtube.com/watch?v=G4H1N_yXBIA&amp;t=3s</a>  <a href="https://www.youtube.com/watch?v=-Yp1KKWpPpU">https://www.youtube.com/watch?v=-Yp1KKWpPpU</a></p> <p>About farming methods:  <a href="https://www.youtube.com/watch?v=3Ww2TP_tU7o">https://www.youtube.com/watch?v=3Ww2TP_tU7o</a>  <a href="https://www.youtube.com/watch?v=ai1WUJQbjQ">https://www.youtube.com/watch?v=ai1WUJQbjQ</a>  <a href="https://www.youtube.com/watch?v=XaEKJ5Vv3Zq">https://www.youtube.com/watch?v=XaEKJ5Vv3Zq</a></p> <p>About sustainability:  <a href="https://www.youtube.com/watch?v=luE5Aeqjf1Q">https://www.youtube.com/watch?v=luE5Aeqjf1Q</a></p> <p>How to mind map:  <a href="https://app.mindmup.com/">https://app.mindmup.com/</a></p> <p>Developing Designs:  <a href="https://www.youtube.com/watch?v= uzSMAI5AuE&amp;t=291s">https://www.youtube.com/watch?v= uzSMAI5AuE&amp;t=291s</a>  <a href="https://www.youtube.com/watch?v=zPDbca83V5Y">https://www.youtube.com/watch?v=zPDbca83V5Y</a>  <a href="https://www.youtube.com/watch?v=FLrCO4K2Wkw">https://www.youtube.com/watch?v=FLrCO4K2Wkw</a>  <a href="https://www.youtube.com/watch?v=hdTTz6ZaCXs">https://www.youtube.com/watch?v=hdTTz6ZaCXs</a>  <a href="https://www.youtube.com/watch?v=ytwEDvX-l44">https://www.youtube.com/watch?v=ytwEDvX-l44</a>  <a href="https://www.youtube.com/watch?v=VhdFGUHb0Us">https://www.youtube.com/watch?v=VhdFGUHb0Us</a></p> <p>Making a planter:  <a href="https://www.youtube.com/watch?v=OJJvghf1E7A">https://www.youtube.com/watch?v=OJJvghf1E7A</a></p> <p>Testing product:  <a href="https://www.gardeningknowhow.com/edible/vegetables/tomato/planting-tomato-slices.htm">https://www.gardeningknowhow.com/edible/vegetables/tomato/planting-tomato-slices.htm</a></p> <p>Product evaluation:  <a href="https://www.youtube.com/watch?v=5K2njaL5Qd0">https://www.youtube.com/watch?v=5K2njaL5Qd0</a>  <a href="https://www.youtube.com/watch?v=GdVciAt51QM">https://www.youtube.com/watch?v=GdVciAt51QM</a></p>

**Date: week beginning: 27<sup>th</sup> April 2020    Year Group: 9    Subject: *Design and Technology*    Length of Topic: 4/5 weeks**