



## Year 6 Medium Term Planning for the Learning Challenge Curriculum

**Term: Summer      DT Project: Bug Hotel (Wooden Structures)**

<u>Previous Learning</u>	<u>New Knowledge /Consolidation</u>	<u>End of Project Outcome</u>	<u>Environmental Links</u>	<u>Key Inventors/People</u>	<u>Project Vocabulary</u>
<p>Children have learned joining techniques (tabs, brackets, cladding and rendering.)</p> <p>Children have learned how to create a prototype frame that can be applied to this structure.</p>	<p>Children apply Cutting, joining &amp; strengthening knowledge to create a wooden bug hotel.</p> <p>Selecting materials that are fit for purpose &amp; considering sustainability.</p>	<p>To create a product using sustainable resources.</p>	<p>Children use sustainable resources to create their product and think about the benefits this has on the environment. Children create a product to support the echo system of a bug.</p>	<p>N/A</p>	<p>Sustainability Materials Resources Environmental impact Fit for purpose</p>

Section	Lesson	Key Skills	Learning Objective & Activity
<b>Explore</b>	<b>1</b>	<ul style="list-style-type: none"> <li>● Children learn and consider the benefits of using recycled and sustainable resources.</li> <li>● To learn why it is important to make these kind of products and the benefit this has on the environment.</li> <li>● To explore existing bug hotels.</li> </ul>	<p><b><u>To explore existing bug hotels and the resources and materials used to make them</u></b></p> <p>Learn what sustainable resources are and why they are important.</p> <p>Learn what a bug hotel is and explore existing products.</p>
<b>Plan</b>	<b>2</b>	<ul style="list-style-type: none"> <li>● To create a design for a bug hotel.</li> <li>● To plan the resources and materials they will use in their making process.</li> </ul>	<p><b><u>To create a design for a bug hotel</u></b></p> <p>Create a design for a bug hotel.</p> <p>Plan out the materials and resources they will need to use to make their product.</p>

			Make choices about which materials they would like to include in their design.
<b>Make</b>	<b>3</b>	<ul style="list-style-type: none"> <li>To make a product using sustainable and recycled materials.</li> <li>To create a product that is fit for purpose.</li> <li>To apply tabs, brackets, cladding and rendering to create a robust wooden frame and contents.</li> </ul>	<p><b><u>To make a product using recycled/ sustainable resources</u></b></p> <p>Make a product that is fit for purpose and can actually be used as intended.</p> <p>Make a product using recycled and sustainable resources.</p> <p>Make a structure by cutting, joining, attaching and strengthening materials and resources.</p>
<b>Evaluate</b>	<b>4</b>	<ul style="list-style-type: none"> <li>To consider how successful their product has been.</li> <li>To consider if their product is fit for purpose.</li> <li>To evaluate strengths and weaknesses of an end product.</li> <li>To consider WWW and EBI of their outcome.</li> </ul>	<p><b><u>To analyse and evaluate the success of a product (a bug hotel)</u></b></p> <p>To evaluate how successful their end product has been.</p> <p>To analyse if their product is fit for purpose.</p> <p>To evaluate strengths and weaknesses of a product and consider what could be improved.</p>

<b>Substantive Knowledge</b>	<b>Disciplinary Knowledge</b>
------------------------------	-------------------------------