



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>
Children have learned joining techniques (tabs, brackets, cladding and rendering.) Children have learned how to create a prototype frame that can be applied to this structure.	Children apply Cutting, joining & strengthening knowledge to create a wooden bug hotel. Selecting materials that are fit for purpose & considering sustainability.	To create a product using sustainable resources.	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.	N/A	Sustainability Materials Resources Environmental impact Fit for purpose

Section	Lesson	Key Skills	Learning Objective & Activity
Explore	1	- Children learn and consider the benefits of using recycled and sustainable resources. - To learn why it is important to make these kind of products and the benefit this has on the environment. - To explore existing bug hotels.	<u>To explore existing bug hotels and the resources and materials used to make them</u> Learn what sustainable resources are and why they are important. Learn what a bug hotel is and explore existing products.
Plan	2	- To create a design for a bug hotel. - To plan the resources and materials they will use in their making process.	<u>To create a design for a bug hotel</u> Create a design for a bug hotel. Plan out the materials and resources they will need to use to make their product.

			Make choices about which materials they would like to include in their design.
Make	3	- To make a product using sustainable and recycled materials. - To create a product that is fit for purpose. - To apply tabs, brackets, cladding and rendering to create a robust wooden frame and contents.	<u>To make a product using recycled/ sustainable resources</u> Make a product that is fit for purpose and can actually be used as intended. Make a product using recycled and sustainable resources. Make a structure by cutting, joining, attaching and strengthening materials and resources.
Evaluate	4	- To consider how successful their product has been. - To consider if their product is fit for purpose. - To evaluate strengths and weaknesses of an end product. - To consider WWW and EBI of their outcome.	<u>To analyse and evaluate the success of a product (a bug hotel)</u> To evaluate how successful their end product has been. To analyse if their product is fit for purpose. To evaluate strengths and weaknesses of a product and consider what could be improved.

Substantive Knowledge	Disciplinary Knowledge
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