



St Paul's Primary School, Newcastle. Glorifying Almighty God, and serving our community.

TO MASTER PRACTICAL SKILLS		TO DESIGN, MAKE, EVALUATE AND IMPROVE	TO TAKE INSPIRATION FROM DESIGN THROUGHOUT HISTORY
Class: 1 AUTUMN			Title: Materials
Topic summary: A structure is something that is made either in nature or by people. There are four main types of structure: shell structures, frame structures, solid structures and combined structures. Following on from the children’s introduction to seasons and animal hibernation. The children create a hedgehog habitat using different materials.			
DT Objectives			Unit of work end points
<ul style="list-style-type: none">Cut materials safely using tools provided.Measure and mark out to the nearest centimetre.Demonstrate a range of cutting and shaping techniques (such as tearing, cutting, folding and curling).MaterialsDemonstrate a range of joining techniques (such as gluing, using hinges or combining materials to strengthen).Design products that have a clear purpose and an intended user.Make products, refining the design as work progresses.Explore objects and designs to identify likes and dislikes of the designs.Suggest improvements to existing designs.			<ul style="list-style-type: none">List the four types of structure. • Name five examples of each of the four types of structure.Define the word ‘natural’.Name ten natural structures.Define the word ‘manufactured’.Name ten manufactured structures.List four reasons why people might manufacture structures
Key vocabulary			Important Dates Questions?
Structure	something made either in nature or by people		What modelling techniques can we use to create a structure that can be used as a shelter for a hibernating animal? How can we use natural found materials to finish of our product? Do our hedgehog houses meet out design brief? What skills do we need to practise to improve our making skills?
Nature	all things not made by people		
Combined	Put together		
Manufactured	Made by people		
Protect	To keep something safe		
Span	To stretch across a space		
Connected	Joined or linked together		