

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

TO M/	ASTER PRACTICAL SKILLS	TO DESIGN, MAKE, EVALUATE AND IMPROVE	TO TAKE INSPIRATION FROM DESIGN THROUGHOUT HISTORY
Class: 1/2 AUTUMN			Title: Materials
	ne that is made from either one solid ol w; they can be very strong. Examine ho		uctures are joined together with mortar. Unlike shell structures, solid structures
 Make brick walls us Remove bricks from Draw annotated dia Use construction se Solid structures – Sta Define the word 'st Define the word 'ba What is an architect Make three towers Piece of paper, as if t Draw annotated dia Task Apply your knowledg Explain why the modified 	sing a stacked bond. In the lower course and describe what h sing a running bond. In the lower course and describe what h agrams of what happened to the walls. ets to build solid structures. bility able'. alanced'. t?	iappens. ider base and another with a very wide base. Put the towers on what happens to the towers. dels. is.	a piece of paper and then move the
DT Objectives			Unit of work end points
 Cut materials safely using tools provided. Measure and mark out to the nearest centimetre. 			 Define 'a solid structure'. What does it mean if a structure is hollow? List five examples of a natural solid structure.
 Demonstrate a range of cutting and shaping techniques (such as tearing, cutting, folding and curling). Demonstrate a range of joining techniques (such as gluing, using hinges or combining materials to strengthen) 		s gluing, using hinges or combining materials to strengthen).	 List five examples of a manufactured solid structure. What is mortar?
Make prod	ducts that have a clear purpose and an i ucts, refining the design as work progres	sses.	
	ects and designs to identify likes and dis provements to existing designs.	likes of the designs.	
Key vocabulary			Questions?
solid:	Made of objects that have little or no	o space inside them	What is an architect?
mortar:	Cement used to join bricks or stones		What does it mean if a structure is hollow?
hollow:	Something that has space inside it	-	What is mortar?
dam:	A wall used to block a river		
	how bricks are arranged		4



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