	Design and Technology Knowledge Organiser				
Great Moor Junior School "Learning Together" To	pic: Packaging			Structures	
What should I already know?	Diagrams a	and Images		Vocabulary	
• How to use different joining and cutting methods relating to paper and card.	s Different nets can be used	for packaging.	design brief	A written description of what a prod- uct should do.	
The differences between 2D and 3D shapes		1V	net	The flat or opened up shape of an object such as a box.	
What will I know by the end of this unit?		\sim	three dimensional (3D)	Something that has three dimensions of length, width and height.	
echnical Knowledge Packaging is a shell structure that is used to		lexagonal based yramid net	scoring	Cutting a line into a sheet material to make it easier to fold.	
contain, protect and present a product.			shell structure	hollow structure with a thin outer covering.	
the design brief. Different techniques can affect the strength the packaging. E.g. folding and shaping, cor gating, ribbing, laminating. Laminating Ribbing Corrugating		Cuboid net	Framed		
Laminating Ribbing Corrugating	 Design: Create an appealing design people using research. Make: 	gn aimed at the correct	Structure Shell Natural Free-state Structure Structure Structure Structure Design and Technology: Skills and Enquiry • Explore different shell structures to assess their strength. How can we improve the strength of		
Isambard Kingdom Brunel (1806-1859) An influential English mechanical and civil engineer, who was also a famous for his bridge building.	my own product. Evaluate:			 shell structures? Evaluate existing packaging designs and identify those which are most effective. Does the design meet the needs of the user? 	
	be improved.Use design criteria to asse	ess the product.	 Conduct market research to develop ideas and requirements for packaging. Who is the packaging for? What will it contain? 		

. Maria