

<b><u>Year Group: Three</u></b>	<b><u>Subject: Design and Technology</u> <u>(Structures: Shell Structures)</u></b>	<b><u>Topic:</u> <u>Design, make and evaluate a 3D gift box for</u> <u>Mother's Day.</u></b>
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<b>What will I learn?</b>	<b>Key vocabulary:</b>	
<ul style="list-style-type: none"> <li>• How to <b>design</b> and <b>make</b> a 3D gift box to package a gift.</li> <li>• I will work in a group to decide which materials would be best to use.</li> <li>• I will think about the best shapes to use and look at their nets.</li> <li>• I will learn about how to stiffen and strengthen my product.</li> <li>• I will think about how to make my gift box appealing.</li> <li>• How to order my main stages of making.</li> <li>• How to select and use appropriate tools to measure, mark out, cut, score, shape and assemble my gift box.</li> <li>• How to talk about my choices and <b>evaluate</b> my design and gift box.</li> </ul>	cuboid	face
	net	font
	prism	scoring
	Shell structure	vertex
	Three dimensional	graphics
	capacity	assemble
<b>How will I learn?</b>		
<ul style="list-style-type: none"> <li>• I will investigate a collection of different shell structures including packaging.</li> <li>• I will take part in group discussions to ask questions about different packaging such as: What is the purpose of the shell structure – protecting, containing, presenting? What material is it made from? How has it been constructed? Are the materials recyclable or reusable? How has it been stiffened i.e. folded, corrugated, ribbed, laminated? What size/shape/colour is it? What information does it show and why? How attractive is the design?</li> <li>• I will take a small package apart to identify and discuss parts of a net including the tabs e.g. How are different faces of the package arranged? How are the tabs used to join the ‘free’ edges of the net?</li> <li>• I will evaluate existing products to determine which designs I think are the most effective.</li> </ul>		