



	National Curriculum	Mechanisms and Structures	Textiles	Food and Nutrition
Design	<p>Design purposeful, functional, appealing products for themselves and other users based on design criteria.</p> <p>Generate, develop model and communicate their ideas through talking, drawing, templates, mock ups and , where appropriate, information and communication technology</p>	<ul style="list-style-type: none"> <li>-Generate ideas by drawing upon own experiences (looking at existing products)</li> <li>-Design a product that has a function.</li> <li>-Say who their product is for and why it is suitable for the user.</li> <li>-Describe how their product works with increasing detail. (eg, when you push it along the wheel/axel turn)</li> <li>-Develop their ideas by talking and drawing labelled pictures</li> <li>-Model ideas by using construction kits and templates.</li> </ul>	<ul style="list-style-type: none"> <li>-Generate ideas by drawing upon own experiences (looking at existing products)</li> <li>-Design a product that has a function.</li> <li>-Say who their product is for and why it is suitable for the user.</li> <li>-Describe how their product works with increasing detail. (eg, when you push it along the wheel/axel turn)</li> <li>-Develop their ideas by talking and drawing labelled pictures</li> <li>-Model ideas by using construction kits and templates.</li> </ul>	<ul style="list-style-type: none"> <li>-Generate ideas by drawing upon own experiences (looking at existing products)</li> <li>-Design a product that has a function.</li> <li>-Say who their product is for and why it is suitable for the user.</li> <li>-Develop their ideas by talking and drawing labelled pictures</li> </ul>
Make	<p>Select from and use a range of tools and equipment to perform practical tasks (for example, cutting , shaping, joining and finishing)</p> <p>Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</p>	<ul style="list-style-type: none"> <li>-Use a hammer, saw and glue gun safely.</li> <li>-Use sand paper to create a professional finish.</li> <li>-Can choose the correct materials to construct their project.</li> </ul>	<ul style="list-style-type: none"> <li>-Can use a sewing machine to join two or more pieces of fabric together using thread. (eg create cushion)</li> <li>-Can use Batik and fabric paint to create a fabric design with a professional finish.</li> </ul>	<ul style="list-style-type: none"> <li>- Know the importance of making sure equipment and hands are clean before cooking.</li> <li>-Know how to use a peeler and grater safely.</li> <li>-Read a simple scale to measure and weigh ingredients</li> </ul>
Evaluate	<p>Explore and evaluate a range of existing products</p> <p>Evaluate their ideas and products against design criteria</p>	<ul style="list-style-type: none"> <li>-Identify what a product is, who might use it and what makes it successful.</li> </ul>	<ul style="list-style-type: none"> <li>Identify what a product is, who might use it and what makes it successful.</li> </ul>	<ul style="list-style-type: none"> <li>Identify what a product is, who might use it and what makes it successful.</li> </ul>
Technical Knowledge	<p>Build structures, exploring how they can be made stronger, stiffer and more stable.</p> <p>Explore and use mechanisms (for example, levers, sliders, wheels and axels) in their products</p>	<ul style="list-style-type: none"> <li>-Can use a simple mechanism such as a wheel and axel and a hinge.</li> <li>-Know how cardboard joins can be made more stable.</li> <li>-Experiment with different techniques to make their structure stronger, stiffer and more stable.</li> </ul>	<ul style="list-style-type: none"> <li>Explore how they can make the joins in fabric stronger.</li> </ul>	
Cooking and Nutrition	<p>Use basic principles of a healthy and varied diet to prepare dishes.</p> <p>Understand where food comes from</p>			<ul style="list-style-type: none"> <li>-Understand that food must be grown or caught.</li> <li>- Know the 5 main food groups and that we need to eat some food from each group</li> </ul>