

## Subject: Design and Technology

	2 year olds	3 year olds	Nursery	Reception	Year 1	Year 2
<b><u>Design</u></b>	To explore different material, using all their senses to investigate them	To use their imagination as they consider what they can do with different materials.	Explore different materials freely.	Create collaboratively, sharing ideas, resources and skills.	I can create a simple design for my product.  I can use pictures and words to describe what I want to do.	I can design useful, functional and appealing products for myself and other users based on a design criteria.  I can generate, develop, model and communicate my ideas through talking, drawing, templates, mock-ups and IT.
<b><u>Make</u></b>	To manipulate and play with different materials.	To make simple models which express their ideas.	Join different materials and explore different textures.	<b>Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.</b>	I can select from and use a range of tools and equipment to perform practical tasks for example, cutting, shaping, joining and finishing.  I can select new and reclaimed materials and construction kits to build structures.  I can use wheels, axles and axle holders in a product	I can safely measure, mark out, cut and shape materials and components using a range of tools.  I can explore and use mechanisms such as levers and sliders.  I can choose tools I would like to use and select materials based on my knowledge of their properties.  I can use a template to create two identical shapes to make a 3d textile product.
<b><u>Evaluate</u></b>			Explore different materials freely to develop their ideas	<b>Share their creations, explaining the process they have used.</b>	I can describe how something works.	I can describe how something works using appropriate terminology.

			<p>about how to use them and what to make.</p> <p><i>Develop ways of adapting their own designs, telling an adult what they like and what to change</i></p>		<p>I can ask simple questions about existing products.</p> <p>I can say what works well and not so well about a range of existing products and about my own ideas and products.</p>	<p>I can explore a range of existing products.</p> <p>I can explain what works well and not so well in existing products and those I've made.</p>
<b><u>Technical Knowledge</u></b>				<p>Return to and build on previous learning, refining ideas and developing their ability to represent them.(children will safely explore different techniques for joining materials)</p>	<p>I can build freestanding structures exploring how they can be built stronger, stiffer and more stable.</p> <p>I can distinguish between fixed and freely moving axels.</p>	<p>I can join fabrics using different techniques eg running stitch, glue, overstitch, stapling.</p> <p>I can explore different finishing techniques eg using painting, fabric crayons, stitching, sequins, buttons and ribbons.</p> <p>Explore and use levers and sliders in products.</p> <p>I can understand that different mechanisms produce different types of movement.</p>
<b><u>Cooking and nutrition</u></b>					<p>I can use simple tools with help to prepare food safely eg cutting food.</p> <p>I can talk about what I eat at home and begin to discuss what healthy foods are</p>	<p>I can understand that all food has to be farmed, grown or caught.</p> <p>I can understand the need for a variety of food in a diet.</p>

						I can use a wider range of cookery techniques to prepare food safely eg weighing scales, recipes.
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