

## Design and Technology Year group overview Years 1 - 6

These are suggested activities taken from the connected curriculum. These may be adjusted to fit with an adapted learning experience or to meet the needs of the learners.

	<u>Autumn Term 1</u>	<u>Autumn Term 2</u>	<u>Spring Term 1</u>	<u>Spring Term 2</u>	<u>Summer Term 1</u>	<u>Summer Term 2</u>
Early Years	As part of the Early Years Foundation Stage, learners have access to creative and design materials daily through their continuous provision. Throughout the year they have opportunities to develop their design skills, explore media and materials and create using a wide range of materials.					
Year 1	<b>Evaluating baby toys</b> <ul style="list-style-type: none"> <li>Make a baby toy (mobile or Topsy Turvey)</li> <li>Design and make a game</li> <li><i>Make a friendship bracelet</i></li> </ul>	<b>Design and Technology</b> <ul style="list-style-type: none"> <li>Construction kits</li> <li>Play road map</li> </ul> <i>Design a model of the school to help a new child</i> Design & Technology	<i>Design &amp; Technology</i> <ul style="list-style-type: none"> <li><b>Finger puppets</b></li> <li><b>Designing &amp; making puppets</b></li> <li><b>Making gingerbread man/woman</b></li> <li><b>Shadow puppets</b></li> <li><i>Class Chinese Lion</i></li> </ul>		<b>Design &amp; Technology</b> <ul style="list-style-type: none"> <li>Create a fish tank</li> <li>Make a water shaker</li> </ul>	<b>Design and Technology</b> <ul style="list-style-type: none"> <li>Designing and making posters and labels</li> <li>Being and inventor</li> </ul>
Year 2	<i>Technology</i> <ul style="list-style-type: none"> <li><b>Plan a party lunch for the class</b></li> <li><b>Prepare healthy party foods</b></li> <li><b>Design and make a party hat or party decorations</b></li> </ul>	<b>Design and Technology</b> <ul style="list-style-type: none"> <li><b>Design a city that will not burn</b></li> <li><i>Design and build apparatus for a safe playground</i></li> </ul>	<i>Design and Technology</i> <ul style="list-style-type: none"> <li><i>Investigating toy vehicles</i></li> <li><i>Tool skills</i></li> <li><i>Making a prototype chassis</i></li> <li><i>Design a vehicle</i></li> <li><i>Make the vehicle</i></li> <li><i>Evaluate the finished product</i></li> </ul>		<b>Design and Technology</b> <ul style="list-style-type: none"> <li>A home for the 'egg pet'</li> <li>Clay/salt dough animals</li> <li>Nodding animals</li> </ul>	
Year 3	<b>Design &amp; Technology</b> <ul style="list-style-type: none"> <li>Design and make Three Little Pigs houses</li> <li>Incorporate electrical components, furniture and décor</li> <li>Design and make a magnet game</li> </ul>	<i>Design and Technology</i> <ul style="list-style-type: none"> <li>Make Egyptian food</li> </ul>	<i>Design &amp; Technology</i> <ul style="list-style-type: none"> <li><i>Make a Mayan god puppet – design process</i></li> <li><i>Make a character puppet for a play</i></li> <li><i>Create and share/make and share a favourite sweet corn recipe</i></li> </ul>			
Year 4	<b>Design &amp; Technology</b> <ul style="list-style-type: none"> <li>Design and make ear muffs</li> </ul>		<i>Design and Technology</i> <ul style="list-style-type: none"> <li><b>Conduct market research</b></li> <li><b>Design chocolate product</b></li> <li><b>Make the prototype chocolate product</b></li> <li><b>Adapt and improve product</b></li> </ul>		<b>Design and Technology</b> <ul style="list-style-type: none"> <li>Design and make a board game</li> </ul>	<i>Design and Technology</i> <ul style="list-style-type: none"> <li><i>Regional food/recipes</i></li> <li>Creating healthy tasters</li> </ul>

			<ul style="list-style-type: none"> <li>• Make final chocolate product</li> <li>• <i>Analysis of wrapping papers</i></li> <li>• <i>Design of packaging</i></li> <li>• Evaluation of final product</li> </ul>			
Year 5	<b>Design and Technology</b> <ul style="list-style-type: none"> <li>• <i>Make lolly containers</i></li> </ul>	<b>Design and Technology</b> <ul style="list-style-type: none"> <li>• Design and make a template of a helmet for a child to make <u>and wear at the castle</u></li> </ul>	<i>Design &amp; Technology</i> <ul style="list-style-type: none"> <li>• Design and make a Shaky Hand Tester</li> <li>• Research, design and make, and evaluate fairground ride</li> </ul>		<b>Design &amp; Technology</b> <ul style="list-style-type: none"> <li>• Design and make a bird scarer</li> <li>• Design and make a trolley.</li> </ul>	
Year 6	<b>Design &amp; Technology</b> <ul style="list-style-type: none"> <li>• Design, make and launch an air powered rocket</li> </ul> Design a home for an alien	<u>Design and Technology</u> <ul style="list-style-type: none"> <li>• Investigate a designer who improved life for many from periods chosen by the children</li> </ul>				<ul style="list-style-type: none"> <li>• Idea generation</li> </ul> Resources, availability and costing <ul style="list-style-type: none"> <li>• Making prototype</li> </ul> Skill audit for production <i>Making product*</i> Evaluation of product

Blue – in focus (central set of boxes)