

## DESIGN TECHNOLOGY TREES OF KNOWLEDGE AND SKILLS PROGRESSION

		EYFS		Year 1			Year 2		
		Nursery	Reception	Autumn Term Who am I? Around the World	Spring Term To the Rescue	Summer Term Wonderful Westacre Animal Allsorts	Autumn term London's Calling The Great Fire of London	Spring term Famous Explorers Victorians	Summer term India Out and About
<b>Knowledge</b>	<ul style="list-style-type: none"> <li>Begin to know how to combine a range of construction toys to build with</li> <li>Know some materials that they can use to join/stick things together, e.g. glue, cellotape</li> </ul>	<ul style="list-style-type: none"> <li>Know how to combine a range of construction toys to build with</li> <li>Know some materials that they can use to join/stick things together e.g. glue, cellotape</li> <li>Know that models/constructions can be built for a particular purpose</li> </ul>	<ul style="list-style-type: none"> <li>Know how to use a split pin to make a simple moving mechanism</li> </ul>	<ul style="list-style-type: none"> <li>Know what wheels and axels are and how they are assembled to make vehicles move</li> <li>Know that some materials are recyclable and others are not</li> <li>Know that recyclable materials can be used to make new products</li> </ul>	<ul style="list-style-type: none"> <li>Know that there are different ways/resources to join materials together – PVA glue, glue stick, cellotape, masking tape, sewing thread/.ribbon/string</li> <li>Know that some materials/resources are better/more appropriate for joining different materials than others</li> </ul>	<ul style="list-style-type: none"> <li>Know how a slider and a lever work</li> <li>Know the meaning of vocabulary linked to moving mechanisms – lever, slider, hinge,</li> </ul>	<ul style="list-style-type: none"> <li>Know that it important to eat a healthy diet</li> <li>Know the name of some healthy foods and know how to make a healthy sandwich</li> <li>Know how what a running stitch is and some other stiches e.g. cross stich, back stich</li> </ul>	<ul style="list-style-type: none"> <li>Know that different materials are suitable for different purposes</li> <li>Use knowledge about existing Indian wall designs to support plans for a similar product</li> <li>Identify tools and materials to be used</li> <li>Know what '3D Relief' means</li> <li>Know how to make a structure stable</li> </ul>	
<b>Skills</b>	<ul style="list-style-type: none"> <li>Design and make models (own choice or following provocation ideas) using different construction kits and junk materials</li> </ul>	<ul style="list-style-type: none"> <li>Design and make models (own choice or following provocation ideas) using different construction kits and junk materials</li> </ul>	<ul style="list-style-type: none"> <li>Use a split pin to create a moving arrow on a seasons calendar</li> <li>Through enrichment provision, design and make models using construction kits</li> </ul>	<ul style="list-style-type: none"> <li>Use research to design, assemble and evaluate emergency vehicles</li> <li>Design a vehicle for a particular purpose (rescue)</li> </ul>	<ul style="list-style-type: none"> <li>Designing and creating animal puppets to use themselves as functional and purposeful products</li> <li>Explore different ways to join and</li> </ul>	<ul style="list-style-type: none"> <li>Explore a range of mechanisms – sliders and levers</li> <li>Design a moving picture (linked to London)</li> <li>Select tools and techniques to</li> </ul>	<ul style="list-style-type: none"> <li>Investigating, designing, testing and evaluating a healthy sandwich</li> <li>Understand the principles of nutrition and</li> </ul>	<ul style="list-style-type: none"> <li>Draw &amp; label designs</li> <li>Select suitable materials for a given purpose</li> <li>Select &amp; use suitable tools</li> <li>Measure, cut, fold &amp; join materials</li> </ul>	

	<ul style="list-style-type: none"> <li>• Use a variety of tools and resources to attach and join a variety of materials</li> <li>• Develop ideas and decide which materials to use to express their own ideas</li> <li>• Express what they are building/ making and who they are building it for</li> </ul>	<ul style="list-style-type: none"> <li>• Use a variety of tools and resources to attach and join a variety of materials</li> <li>• Develop ideas and decide which materials to use to express their own ideas</li> <li>• Express what they are building /making and who they are building it for</li> <li>• Begin to express problems/ with their own products</li> <li>• Begin to express difficulties they have had and amendments they have made to improve their product</li> <li>• Use natural materials to create and express ideas</li> </ul>	<p>and different materials – select their own materials and tools to resolve a problem or create a purposeful product for themselves or others (of our choice or linked to learning across the curriculum)</p>	<ul style="list-style-type: none"> <li>• Select a range of equipment, materials and tools safely and appropriately to build vehicles</li> <li>• Evaluate their own work and the work of their peers</li> <li>• Create models using junk and recycled materials</li> </ul>	<p>attach different materials</p> <ul style="list-style-type: none"> <li>• Evaluate their own work and the work of others</li> </ul>	<p>create a moving picture</p> <ul style="list-style-type: none"> <li>• Build a mechanism to create a moving picture</li> <li>• Evaluate design, development and finished product</li> <li>• Make a working hinge – explore attachments</li> <li>• Practise skills of cutting, folding and measuring different materials</li> </ul>	<p>what makes a healthy diet</p> <ul style="list-style-type: none"> <li>• Cut, slice and grate.</li> <li>• Practise a running stitch, using binca</li> <li>• Begin to explore other stitches, such as back stitch and cross stitch</li> </ul>	<ul style="list-style-type: none"> <li>• Evaluate a finished product, make comparisons, identify strengths</li> <li>• Suggest possible changes to a finished piece, explain why those changes might be made</li> </ul>
--	---	--	--	---	--	---	---	--

