



## Design and Technology Progression Journey

	Design	Make	Evaluate	Technical Knowledge
Year 2	<ul style="list-style-type: none"> <li>• Generate and communicate ideas by sketching and modelling</li> </ul>	<ul style="list-style-type: none"> <li>• Making a product according to design criteria</li> <li>• Creating joints and structures</li> <li>• Cutting and assembling components neatly</li> </ul>	<ul style="list-style-type: none"> <li>• Testing own structures</li> <li>• Identifying weaknesses</li> <li>• Testing and adapting designs</li> <li>• Using peer feedback to modify a final design</li> </ul>	<ul style="list-style-type: none"> <li>• To understand that shape affects strength and stability of a structure</li> <li>• To know that mechanisms are a collection of moving parts and that there is always an input and an output</li> <li>• To know that different materials have different properties and this affects suitability</li> </ul>
Year 1	<ul style="list-style-type: none"> <li>• Learn the importance of a clear design criteria</li> <li>• Include individual preferences and requirements in a design</li> </ul>	<ul style="list-style-type: none"> <li>• Making stable structures</li> <li>• Using a template</li> </ul>	<ul style="list-style-type: none"> <li>• Evaluating according to design criteria</li> <li>• Suggesting points for improvement</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding the shape of materials can be changed to improve stiffness and strength</li> <li>• To use axles in products</li> </ul>
EYFS	<ul style="list-style-type: none"> <li>• Making verbal plans and material choices</li> <li>• Using knowledge from exploration to inform design</li> </ul>	<ul style="list-style-type: none"> <li>• Improving fine motor skills such as using scissors</li> <li>• Joining materials in a variety of ways</li> <li>• Describing the making process</li> </ul>	<ul style="list-style-type: none"> <li>• Giving a verbal evaluation of own and other's models</li> <li>• Checking to see whether the model matches the plan</li> <li>• Considering what to change if made again</li> <li>• Describing favourite/least favourite part of model</li> </ul>	<ul style="list-style-type: none"> <li>• To know that there are a range of materials that can be used to make a model</li> <li>• To know that 'waterproof' means does not absorb water</li> </ul>