



## Year 1 Curriculum subject plan Design and Technology

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
YEAR 1	<b>Mechanisms</b> Sliders and Levers		<b>Structures</b> Free Standing Structures		<b>Food</b> Preparing fruit and vegetables	
<b>Component Knowledge</b>	<ul style="list-style-type: none"> <li>Generate ideas based on simple design criteria and their own experiences, explaining what they could make. Develop, model and communicate their ideas through drawings and mock-ups with card and paper.</li> <li>Plan by suggesting what to do next.</li> <li>Select and use tools, explaining their choices, to cut, shape and join paper and card.</li> <li>Evaluate their product by discussing how well it works in relation to the purpose and the user and whether it meets design criteria.</li> <li>Explore and use sliders and levers.</li> <li>Understand that different mechanisms produce different types of movement.</li> <li>Know and use technical vocabulary. Pull, push, up, down, straight, curve, forwards, backwards, design, make, evaluate, user, purpose, ideas.</li> <li>Select new and reclaimed materials and construction kits to build their structures.</li> <li>Know how to make freestanding structures stronger, stiffer and more stable.</li> <li>Use vocabulary: structure, wall, tower, framework, weak, strong, base, top, underneath, side, edge, surface.</li> <li>Use simple utensils and equipment to e.g. peel, cut, slice, squeeze, grate and chop safely.</li> <li>Select from a range of fruit and vegetables according to their characteristics e.g. colour, texture and taste to create a chosen product. Evaluating</li> <li>Taste and evaluate a range of fruit and vegetables to determine the intended user's preferences.</li> <li>Understand where a range of fruit and vegetables come from e.g. farmed or grown at home.</li> <li>Understand and use basic principles of a healthy and varied diet to prepare dishes, including how fruit and vegetables are part of The eatwell plate.</li> <li>Know and use technical and sensory vocabulary relevant to the project. Eg, soft, juicy, crunchy, sweet, sticky, smooth, sharp, crisp, sour, hard.</li> </ul>					

