




Design Technology Medium Term Planning  
Year: 2

Term	Main DT Theme	Sub Questions / Key Knowledge	Subject Specific Vocabulary	Linked Visits in / Visits out	Assessment will be based on a formative approach of children being able to answer the key questions using the knowledge acquired over the half term through a quiz-based approach.
Autumn Term- 	<b>Structures: Baby bears Chair</b>	<p>What is a structure?            What is a man-made object?            What is a natural object?            What do we mean by strong?            What do we mean by weak?            What do we mean by stable?            What do we mean by stiff?            What is the function of a chair?            Why is it important to test something?            Which object is the most stable and why?</p> <ul style="list-style-type: none"> <li>• To know that shapes and structures with wide, flat bases or legs are the most stable</li> <li>• To understand that the shape of a structure affects its strength</li> <li>• To know that materials can be manipulated to improve strength and stiffness</li> <li>• To know that a structure is something which has been formed or made from parts</li> <li>• To know that a 'stable' structure is one which is firmly fixed and unlikely to change or move</li> <li>• To know that a 'strong' structure is one which does not break easily</li> <li>• To know that a 'stiff' structure or material is one which does not bend easily</li> </ul>	<ul style="list-style-type: none"> <li>● Function</li> <li>● Man-made</li> <li>● Mould</li> <li>● Natural</li> <li>● Stable</li> <li>● Stiff</li> <li>● Strong</li> <li>● Structure</li> <li>● Test</li> <li>● Weak</li> </ul>		

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<p>Spring Term-</p> 	<p><b>Mechanisms:</b> <b>Fairground wheel</b></p>	<p>What is a mechanism?          What is a structure?          How does the Ferris wheel spin?          What does the word stable mean?          What does the word strong mean?          What does the word weak mean?          Which materials are stiff?          Which materials are flexible?          Which materials are strong?          What are the main parts of a Ferris wheel?</p> <ul style="list-style-type: none"> <li>• To know that different materials have different properties and are therefore suitable for different uses</li> </ul> <p><b>Additional</b></p> <ul style="list-style-type: none"> <li>• To know the features of a ferris wheel include the wheel, frame, pods, a base an axle and an axle holder</li> <li>• To know that it is important to test my design as I go along so that I can solve any problems that may occur</li> </ul>	<ul style="list-style-type: none"> <li>● Axle</li> <li>● Decorate</li> <li>● Evaluation</li> <li>● Ferris wheel</li> <li>● Mechanism</li> <li>● Stable</li> <li>● Strong</li> <li>● Test</li> <li>● Waterproof</li> <li>● Weak</li> </ul>		
<p>Summer Term-</p> 	<p><b>Food: A balanced diet</b></p>	<p>What is a blender?          How do we identify a fruit?          What do we mean by diet?          What appliance is used to keep food cool and fresh?          What are nutrients?          What information is on food packaging?          Why is it important to eat a balanced diet?          What are ingredients?          Where does sugar come from?</p> <ul style="list-style-type: none"> <li>• To know that 'diet' means the food and drink that a person or animal usually eats</li> <li>• To understand what makes a balanced diet</li> <li>• To know where to find the nutritional information on packaging</li> </ul>	<ul style="list-style-type: none"> <li>● Alternative</li> <li>● Diet</li> <li>● Balanced diet</li> <li>● Evaluation</li> <li>● Expensive</li> <li>● Healthy</li> <li>● Ingredients</li> <li>● Nutrients</li> <li>● Packaging</li> <li>● Refrigerator</li> <li>● Sugar</li> <li>● Substitute</li> </ul>		

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		<ul style="list-style-type: none"><li>• To know that the five main food groups are: Carbohydrates, fruits and vegetables, protein, dairy and foods high in fat and sugar</li><li>• To understand that I should eat a range of different foods from each food group, and roughly how much of each food group</li><li>• To know that nutrients are substances in food that all living things need to make energy, grow and develop</li><li>• To know that 'ingredients' means the items in a mixture or recipe</li><li>• To know that I should only have a maximum of five teaspoons of sugar a day to stay healthy</li><li>• To know that many food and drinks we do not expect to contain sugar do; we call these 'hidden sugars'</li></ul>			
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