

Year 5	Design and Technology		
	<b>Autumn topic:</b> <b>Moving</b> Toys	<b>Spring Topic:</b> <b>Products</b> Temples Structure-Different materials	<b>Summer topic:</b> <b>Food Technology</b> Mexican Food – Fajita wraps and rice <b>Weighing, cutting and mixing</b>
<b>National Curriculum statements</b>	<ul style="list-style-type: none"> <li>- DESIGN: Generate, develop, model and communicate their ideas through discussion, annotated sketches</li> <li>- DESIGN: Use research and develop design criteria to inform the design of innovative, functional product that is fit for purpose</li> <li>- MAKE: To select from and use a range of materials according to their functional property</li> <li>- EVALUATE: To evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</li> </ul>	<p>DESIGN: Use research and develop design criteria to inform the design of innovative, functional product that are aimed at a particular group</p> <p>DESIGN: Generate, develop, model and communicate their ideas through discussion, annotated sketches and prototypes</p> <p>MAKE: Select from and use a range of tools and equipment to perform practical tasks accurately</p> <p>EVALUATE: Understand how key events have helped shape the world</p>	<ul style="list-style-type: none"> <li>- Prepare and cook a savoury dish using a range of cooking techniques</li> <li>- Understand and apply the principles of a healthy and varied diet</li> <li>- Know where and how a variety of ingredients are grown</li> </ul>
<b>Retrieval</b> (to support new learning)	Link to movement in previous years. Link to science topic of Forces.	Link to construction and structure in KS1.	Link to weighing and mixing in Y4.

<b>Knowledge statements</b>	<ol style="list-style-type: none"> <li>1. To know which parts of different toys enable it to move and select an appropriate mechanism for their design.</li> <li>2. To know about different materials and their uses and select equipment and tools for making their product.</li> <li>3. To know how to design, make and evaluate their moving toy.</li> </ol>	<ol style="list-style-type: none"> <li>1. To know how to measure accurately and to the nearest mm.</li> <li>2. To know how to strengthen materials using suitable techniques.</li> <li>3. To know that designing a prototype will help in the final version.</li> <li>4. To know how to design, make and evaluate their structure and make improvements.</li> </ol>	<ol style="list-style-type: none"> <li>1. To know how to correctly handle and store ingredients.</li> <li>2. To know how to measure accurately and calculate ratios to scale up/down a recipe.</li> <li>3. To know how to design, make and evaluate their fajitas.</li> </ol>
<b>Vocabulary</b>	Shape, cut, saw, measure, accuracy, product	Measure, accuracy, millimetres, strengthen, prototype	Ingredients, health, diet, nutrients, carbohydrate, protein, fat, sugars, vitamins, weigh, measure, ratio, recipe
<b>Cultural capital and local resources</b>	Link to exploring different toys at home and at school.	Link to structures around the world and locally.	Link to local food and food from around the world.