

Design & Technology Progression Grid Class 4-5 cycle 2

<p>Autumn – Marbulous Structures Twinkl UKS2</p> <p>Objectives-</p> <p>To design and make a high-quality prototype</p> <p>To critique, evaluate ideas and products and others’ ideas and products</p> <p>To design products that are fit for purpose</p> <p>To cut, shape, join and finish</p> <p>To apply knowledge of how to strengthen, stiffen and reinforce complex structures</p>	<p>Spring – Moving train motions (Mill Lane)</p> <p>Objectives –</p> <p>To understand and use mechanisms in their products including gears.</p> <p>To use exploded diagrams and cross-sectional diagrams</p>	<p>Summer – Global Food (Part 1) Twinkl UKS2 lessons 1,2,3,4 (Rice and Mexico)</p> <p>Objectives-</p> <p>To prepare savoury dishes using a range of cooking techniques</p> <p>To understand the principles of a healthy and varied diet</p>
Minimum learning is highlighted		Minimum vocabulary is in bold
<p>To know about free standing structures.</p> <p>To know how free standing structures have strength, reinforcement and stability.</p> <p>To know how to join card together</p> <p>To know how to improve their work</p> <p>To know Blackpool Tower, the Eifel Tower, the Shard and Emley Moor are all free standing structures.</p> <p>I can discuss and evaluate joining structures thinking about strength, functionality and aesthetics</p>	<p>To know what a gear is</p> <p>To know how to make a moving train with kin-x</p> <p>To know how to make a moving train with wood and cardboard. To know why real trains wouldn’t be made with wood and cardboard and to describe materials in real trains</p> <p>to know what an axel is</p> <p>to know how to produce a cross-sectional diagram and an exploded diagram</p> <p>to know the benefits of making a prototype</p>	<p>To know where chillis, salami, pineapple and coconut come from.</p> <p>To know what ‘ingredients’ and a recipe are</p> <p>To identify examples of:</p> <p>Fruit and veg</p> <p>Carbohydrates</p> <p>Protein</p> <p>Fat</p> <p>dairy</p> <p>To know what the Eatwell plate is</p> <p>To know what dicing and grating are</p> <p>To know where Mexico is and 2 examples of Mexican food</p>