

# Milton Mount Primary School, 2021-2022

## PRIMARY DT EDUCATION: LONG-TERM OVERVIEW

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<p><b>Cooking and Nutrition –</b> linked to a healthy snack for the Tiger Designing a healthy fruit salad</p>				<p><b>Textiles-</b> Making a purse for the Queen Selecting and cutting fabric neatly with scissors to sew</p>	
Year 2		<p><b>Structures –</b> Building houses linked to Great fire of London Making stable structures from card, tape and glue according to design criteria.</p>		<p><b>Mechanisms-</b> Moving planes Designing a moving object (vehicle) that includes wheels, axels and axel holders which would allow the wheels to move.</p>		
Year 3	<p><b>Textiles –</b> Cross stitch/ Egyptian patterns Follow design criteria to create a cushion/book sleeve.</p>	<p><b>Electrical mechanisms-</b> Link to Science — make a game/ toy Making an electrostatic game, referring to the design criteria using a wide range of materials and equipment. Using electrostatic energy to move objects in isolation as well as in part of a system.</p>	<p><b>Textiles –</b> Applique stitch – volcano layered cushion covers Measuring, marking and cutting fabric using a paper template. Selecting a stitch style to join fabric, working neatly sewing small neat stitches.</p>		<p><b>Cooking and Nutrition-</b> a traditional healthy Greek dish Adapting a traditional recipe, understanding that the nutritional value of a recipe alters if you remove/substitute ingredients.</p>	
Year 4						
Year 5				<p><b>Electrical systems</b> Design an electronic greeting card/steady hand game. Creating a labelled design showing positive and negative parts in relation to the LED and the battery.</p>		<p><b>Structures (bridges)</b> Designing a stable structure that supports weight Creating frame structure with focus on triangulation.</p>
Year 6	<p><b>Materials -</b> How can we shelter during the Blitz? Can they justify why they selected specific materials? How have they ensured that their work is precise and accurate? Can they hide joints so as to improve the look of their product? Can they justify why the chosen material was the best for the task? Can they justify design in relation to the audience?</p>	<p><b>Mechanisms-</b> model spitfire planes Can they use a range of information to inform their design? Can they use market research to inform plans? Can they work within constraints? Can they follow and refine their plan if necessary? Can they justify their plan to someone else? Do they consider culture and society in their designs?</p>	<p><b>Cooking and Nutrition-</b> Can we grow our own Salad? Can they explain how their product should be stored with reasons? Can they set out to grow their own products with a view to making a salad, taking account of time required to grow different foods?</p>		<p>Can they use market research to inform plans? Can they work within constraints? Do they consider culture and society in their designs?</p>	