

D&T Subject Overview

Key: **DME** – Design, Make and Evaluate

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Year 6	<p>FOOD – Celebrating culture and seasonality</p> <p>DME an authentic Greek flatbread for athletes and their families to eat at the end of Olympics celebration</p> <p>Techniques / Skills: whisking, hand mixing (rubbing in), kneading, frying</p>				<p>MECHANISMS – Pulleys and Gears OR Cams</p> <p>DME an all-terrain vehicle for an explorer to navigate the rainforest</p> <p>Techniques / Skills: Measuring, sawing, joining and reinforcing, creating electrical circuits,</p> <hr/> <p>ELECTRICAL SYSTEMS – More complex switches and circuits (and computer monitoring and control)</p> <p>DME an anti-theft alarm for an explorer to protect their all-terrain vehicle and possessions.</p> <p>Techniques / Skills: Creating electrical circuits, securing and reinforcing.</p>	

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<p>Year 5</p>	<p>STRUCTURES – Frame structures</p> <p>DME a shelter for tourists visiting the moon to protect them from any space debris or meteors</p> <p>Techniques / Skills: joining straws in different ways</p>			<p>TEXTILES – Combining different fabric shapes</p> <p>DME a mobile phone holder for me to keep it safe.</p> <p>Techniques / Skills: running stitch, back stitch and cross stitch</p>		<p>FOOD – Celebrating culture and seasonality</p> <p>DME a jam tart for a family member for a street party that celebrates the coronation of Richard III</p> <p>Techniques / Skills: mixing, rubbing, rolling, cutting, shaping, blind baking</p>
<p>Year 4</p>	<p>FOOD- Celebrating culture and seasonality</p> <p>DME a scone for a modern day person to take back to share with stone age people</p> <p>Techniques/ skills: mixing, rubbing, shaping, baking</p>		<p>ELECTRICAL SYSTEMS – Simple circuits and switches (and simple programming and control)</p> <p>DME an electrical game that uses simple circuits for children to test each other with topic based questions.</p> <p>Techniques /skills: making circuits with a variety of components</p>		<p>TEXTILES – 2-D shape to 3-D product.</p> <p>DME a pig hand puppet so that we can defend ourselves from the wolves in the walls</p> <p>Techniques / skills: designing, sewing, measuring, cutting, evaluating</p>	
<p>Year 3</p>	<p>STRUCTURES – Shell structures (and CAD)</p> <p>DME a shell structure for a mummy to preserve them for the afterlife</p> <p>Techniques / Skills: making nets, reinforcing, stiffening and strengthening</p>		<p>MECHANISMS – Levers and linkages</p> <p>DME a pop-up to entertain a younger child</p> <p>Techniques/Skills: use of measuring, marking, cutting, joining and finishing skills and techniques</p>		<p>FOOD – Healthy and balanced diet</p> <p>DME a healthy sandwich for our end of term picnic</p> <p>Techniques / Skills: grating, spreading, cutting using bridge and claw techniques</p>	

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<p>Year 2</p>	<p>STRUCTURES – Freestanding structures</p> <p>DME a model of a slide for a mobilo/lego character</p> <p>Techniques / Skills: measuring, marking out, cutting, shaping, joining and finishing.</p>			<p>MECHANISMS – Wheels and axles</p> <p>DME a moving model cart for the Hat Man from <i>Monkey See Monkey Do</i></p> <p>Techniques / Skills: measuring, mark out, hold, cut and join</p>		<p>FOOD – preparing fruit and vegetables</p> <p>DME a vegetable salad to take home for a snack</p> <p>Techniques / Skills slicing, cutting, chopping, grating, peeling</p>
<p>Year 1</p>		<p>MECHANISMS – Sliders and levers</p> <p>DME a card with moving parts for a family member for Christmas</p> <p>Techniques / Skills: gluing, cutting, pinning (using split pins), folding</p>		<p>FOOD – Preparing fruit and vegetables</p> <p>DME a fruit kebab to take home for a snack</p> <p>Techniques / Skills: washing, peeling, slicing</p>	<p>TEXTILES – Templates and joining techniques</p> <p>DME a finger puppet for our class for cooltime activities</p> <p>Techniques / Skills: gluing, stapling, pinning, sewing</p>	
<p>FS</p>		<p>TEXTILES - Templates and joining techniques</p> <p>DME an animal mask for myself for the Christmas Nativity</p> <p>Techniques/Skills: Cut and join fabrics with simple techniques, think about the user and purpose of products</p>		<p>FOOD – Preparing fruit and vegetables</p> <p>DME a fruit salad for Akeyo for a party</p> <p>Techniques/Skills: Cutting soft fruit and vegetables using appropriate utensils</p>		<p>STRUCTURES – Sliders and leavers</p> <p>DME a house with windows and doors that open for the three little pigs</p> <p>Techniques/Skills: Simple cutting, shaping and joining skills using scissors, glue, paper fasteners and masking tape</p>
<p>Throughout the year, Foundation Stage will participate in a number of planned focused tasks (teacher led, guided and independent) which will prepare the children for the units that they will do within Key Stage 1. This may include activities such as junk modelling, crafts, cutting activities and construction equipment play.</p> <p>The children will participate in a number of Design, Make, Evaluate projects throughout the year which will explicitly focus on the prior learning skills required for the units taught in Year 1.</p>						

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