

Design and Technology Long Term Plan

	Autumn Term	Spring Term	Summer term
Year 1	<p>Area: Mechanisms</p> <p>Curriculum Focus: Sliders and Levers</p> <p>Possible lesson ideas:</p> <p>Dinosaurs - sliders</p> <p>Castles - levers</p>	<p>Area: Textiles</p> <p>Curriculum Focus: Templates and joining techniques</p> <p>Possible lesson ideas:</p> <p>Making puppets</p>	<p>Area: Food</p> <p>Curriculum Focus: Preparing fruit and vegetables (+ basic principle of healthy and varied diet)</p> <p>Possible lesson ideas:</p> <p>Fruit and /or vegetable smoothie</p> <p>Fruit skewers</p>
Year 2	<p>Area: Structures</p> <p>Curriculum Focus: Free-standing structures</p> <p>Possible lesson ideas:</p> <p>Bridges</p>	<p>Area: Food</p> <p>Curriculum Focus: Preparing fruit and vegetables (+ basic understanding of where food comes from)</p> <p>Possible lesson ideas:</p> <p>Healthy salad</p>	<p>Area: Mechanisms</p> <p>Curriculum Focus: Wheels and Axles</p> <p>Possible lesson ideas:</p> <p>Car for transporting</p>
Year 3	<p>Area: Mechanisms</p> <p>Curriculum Focus: Levers and Linkages</p> <p>Possible lesson ideas:</p> <p>Festive cards</p>	<p>Area: Food</p> <p>Curriculum Focus: Healthy and varied eating (+ seasonality)</p> <p>Possible lesson ideas:</p> <p>Salad sandwich</p>	<p>Area: Textiles</p> <p>Curriculum Focus: 2D to 3D designs</p> <p>Possible lesson ideas:</p> <p>Bag</p> <p>(George de Mestral - Velcro)</p>

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Year 4	<p>Area: Structures</p> <p>Curriculum Focus: Shell structures</p> <p>Possible lesson ideas:</p> <p>Boxes (to store something safe in, gift box, packaging, lunch box etc.)</p>	<p>Area: Electrical systems</p> <p>Curriculum Focus: Simple circuits and switches including programming and control (link with Science topic)</p> <p>Possible lesson ideas:</p> <p>Torches</p> <p>Alarms</p>	<p>Area: Food</p> <p>Curriculum Focus: Healthy and varied diet</p> <p>Possible lesson ideas:</p> <p>Wraps</p> <p>Pitta pockets</p> <p>Adding or altering to improve a recipe</p>
Year 5	<p>Area: Textiles</p> <p>Curriculum Focus: Sewing</p> <p>Possible lesson ideas:</p> <p>'My house' project</p>	<p>Area: Structures</p> <p>Curriculum Focus: Frame structures</p> <p>Possible lesson ideas:</p> <p>Picture frames</p>	<p>Area: Food</p> <p>Curriculum Focus: Celebrating culture and seasonality (+ hygiene)</p> <p>Possible lesson ideas:</p> <p>Bread from around the world</p>
Year 6	<p>Area: Electrical systems</p> <p>Curriculum Focus: Using programming, monitoring and control</p> <p>Possible lesson ideas:</p> <p>Sensor alarms</p> <p>Automatic nightlight</p>	<p>Area: Mechanical systems</p> <p>Curriculum Focus: Pulleys and Gears</p> <p>Possible lesson ideas:</p> <p>Making cars</p> <p>Heathrow Explorers Link:</p> <p>Transport Design CAD</p>	<p>Area: Food</p> <p>Curriculum Focus: Celebrating culture and seasonality (+ researching one ingredient from farm to fork)</p> <p>Possible lesson ideas: Pizza at Kingsley/school kitchens</p>