

## DESIGN TECHNOLOGY

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Cookery and Nutrition</b>	<p>Identify and describe fruits and vegetables.</p> <p>Know about hygiene related to food preparation (see PlanBee).</p> <p>Know how to use tools safely such as a butter knife and plastic grater.</p> <p>Learn about what makes a healthy diet.</p> <p>Design, make and evaluate their fruit salad/smoothie.</p>	<p>Begin to think about the importance of the different food groups and the effect they have on our body (see PlanBee).</p> <p>To know what a balanced diet is (quantity and different portion sizes).</p> <p>Discuss why some foods are favourites.</p> <p>Design, make and evaluate a pizza.</p>	<p>To know the effects of the different food groups on our body.</p> <p>Begin to cut accurately and safely using different cutting techniques (slice and julienne cuts)</p> <p>Design, make and evaluate a sandwich.</p>	<p>Use a variety of techniques to bake cakes safely and hygienically (see Knowledge Organiser).</p> <p>Follow instructions for a recipe using seasonal fruit/jam.</p> <p>Prepare a variety of healthy meals using seasonal foods.</p> <p>Explain why it is good to eat seasonal food.</p>	<p>To know about different types of bread and the cultures and/or regions from which they originate from.</p> <p>To know about the ingredients of bread and how they may be used.</p> <p>To know the nutritional content of Bread.</p> <p>Design, make and evaluate bread.</p>	<p>To know the origins of some traditional English savoury dishes and desserts.</p> <p>To understand the seasonality of different British fruits.</p> <p>To know how oats are grown, harvested and produced.</p> <p>To know traditional Scottish and Welsh dishes and their main ingredients.</p> <p>Design, make and evaluate burgers (see Knowledge Organiser and PlanBee)</p>
<b>Research</b>  <b>Design</b>  <b>Make</b>  <b>Evaluate</b>	<p><b>Stable Structures</b></p> <p>Manipulate materials and use tools appropriately. Explore how to make materials stronger and stiffer.</p> <p>Design, make and evaluate a purposeful, functional product.</p>	<p><b>Wacky Windmills</b></p> <p>To know a range of different materials (see PlanBee)</p> <p>To know the purpose of a product and why it is needed.</p> <p>To plan a product made from materials.</p>	<p><b>Making Mini Green Houses</b></p> <p>Analyse and discuss different types of greenhouses.</p> <p>Identify factors that make a structure stable.</p> <p>Design, make and evaluate a mini greenhouse.</p>	<p><b>Light – Up Signs</b></p> <p>Investigate how simple circuits are constructed for illuminated signage. Identify ways in which they can work safely while constructing their design.</p>	<p><b>Bird House Builders</b></p> <p>Draw 3-D diagrams and exploded diagrams.</p> <p>Know what tools, equipment and safety precautions are needed to make a bird house.</p>	<p><b>Chinese Inventions</b></p> <p>Name some significant inventors.</p> <p>Take a simple design and modify it to suit their needs.</p> <p>Choose between a variety of tools to make their product.</p>

	<p><b>Moving Minibeasts</b> Make own sliding, lever and pivot mechanism.</p> <p>Explain how a sliding mechanism works.</p> <p>Design, make and evaluate their moving picture.</p>	<p><b>Puppets</b> Join two pieces of fabric using running stitch and/or over stitch.</p> <p>Use tools safely, such as needles and scissors.</p> <p>Design, make and evaluate a glove puppet.</p>	<p>Understand importance of evaluating a finished product.</p> <p><b>Pencil Cases</b></p> <p>To measure with accuracy.</p> <p>To join two strips of felt together using a running stitch and backstitch.</p> <p>To be able to attach a button to a piece of felt and cut a button hole.</p> <p>To be able to sew a range of embellishments onto felt.</p> <p>Design, make and evaluate a pencil case.</p>	<p>Recall how to create a simple series circuit with a light. Write or edit programs to control an LED.</p> <p>Design, make and evaluate a light – up sign.</p> <p><b>Money Containers</b></p> <p>To join two pieces of fabric together using running stitch, backstitch and oversewing stitch on small pieces of fabric.</p> <p>Design, make and evaluate a money container.</p>	<p>Use retail ideas to promote their bird house to a prospective buyer.</p> <p>Design, make and evaluate a bird house to suit a specific bird.</p> <p><b>Fashion and Textiles</b></p> <p>Identify different sewing stitches and distinguish between functional and decorative sewing stitches (see PlanBee).</p> <p>Draw pattern pieces, adding details such as seam allowances.</p> <p>Use simple stitches to sew hems on an item made using textiles.</p>	<p>Design, make and evaluate a Chinese invention.</p> <p><b>Burgers</b></p> <p>Write a recipe for a burger and choose appropriate ingredients to make burgers.</p> <p>Use cooking utensils and equipment correctly.</p> <p>Evaluate a cooking session and their own skills.</p>
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