

		Autumn	Spring	Summer
Willow Class Year A		Bread Bake Off	Lights	Mechanical Posters
		<p><u>Making</u> Children can:</p> <p>Plan</p> <p>with growing confidence, carefully select from a range of tools and equipment, explaining their choices;</p> <p>place the main stages of making in a systematic order;</p> <p>Practical skills and techniques</p> <p>learn to use a range of tools and equipment safely, appropriately and accurately and learn to follow hygiene procedures;</p> <p><u>Nutrition and Cooking</u> Children can:</p> <p>understand how to prepare and cook a variety of predominantly savoury dishes safely and hygienically;</p> <p>with support, use a heat source to cook ingredients showing awareness of the need to control the temperature of the hob and/or oven;</p> <p>use a range of techniques such as kneading and baking;</p> <p>prepare ingredients using appropriate cooking utensils;</p> <p>measure and weigh ingredients to the nearest gram and millilitre;</p> <p>start to independently follow a recipe;</p>	<p><u>Technical Knowledge</u> Children can:</p> <p>understand that materials have both functional properties and aesthetic qualities;</p> <p>understand and demonstrate how mechanical and electrical systems have an input and output process;</p> <p>make and represent simple electrical circuits, such as a series and parallel, and components to create functional products;</p> <p><u>Making</u> Children can:</p> <p>Practical skills and techniques</p> <p>learn to use a range of tools and equipment safely, appropriately and accurately and learn to follow hygiene procedures;</p> <p>use a wider range of materials and components, including construction materials and kits, textiles and mechanical and electrical components;</p> <p>assemble, join and combine material and components with some degree of accuracy;</p> <p>begin to select and use different and appropriate finishing techniques to improve the appearance of a product such as hemming, tie-dye, fabric paints and digital graphics.</p>	<p><u>Making</u> Children can:</p> <p>Plan</p> <p>with growing confidence, carefully select from a range of tools and equipment, explaining their choices;</p> <p>select from a range of materials and components according to their functional properties and aesthetic qualities;</p> <p>Practical skills and techniques</p> <p>learn to use a range of tools and equipment safely, appropriately and accurately and learn to follow hygiene procedures;</p> <p>use a wider range of materials and components, including construction materials and kits, textiles and mechanical and electrical components;</p> <p>with growing independence, measure and mark out to the nearest cm and millimetre;</p> <p>cut, shape and score materials with some degree of accuracy;</p> <p><u>Technical Knowledge</u> Children can:</p> <p>understand that materials have both functional properties and aesthetic qualities;</p> <p>explain how mechanical systems such as levers and linkages create movement;</p> <p>use mechanical systems in their products.</p>
Willow Class Year B		Kites	Edible Garden	Diorama
		<p><u>Making</u> Children can:</p> <p>Plan</p> <p>with growing confidence, carefully select from a range of tools and equipment, explaining their choices;</p> <p>select from a range of materials and components according to their functional properties and aesthetic qualities;</p> <p>Practical skills and techniques</p> <p>learn to use a range of tools and equipment safely, appropriately and accurately and learn to follow hygiene procedures;</p> <p>use a wider range of materials and components, including construction materials and kits, textiles and mechanical and electrical components;</p> <p>with growing independence, measure and mark out to the nearest cm and millimetre;</p> <p>cut, shape and score materials with some degree of accuracy;</p> <p>assemble, join and combine material and components with some degree of accuracy;</p> <p>demonstrate how to measure, cut, shape and join fabric with some accuracy to make a simple product;</p> <p><u>Technical Knowledge</u> Children can:</p> <p>understand that materials have both functional properties and aesthetic qualities;</p> <p>apply their understanding of how to strengthen, stiffen and reinforce more complex structures in order to create more useful characteristics of products;</p>	<p><u>Cooking and Nutrition</u> Children can:</p> <p>start to know when, where and how food is grown (such as herbs, tomatoes and strawberries) in the UK, Europe and the wider world;</p> <p>understand how to prepare and cook a variety of predominantly savoury dishes safely and hygienically;</p> <p>use a range of techniques such as mashing, whisking, crushing, grating, cutting, kneading and baking;</p> <p>explain that a healthy diet is made up of a variety and balance of different food and drink, as represented in the Eatwell Guide and be able to apply these principles when planning and cooking dishes;</p> <p>understand that to be active and healthy, nutritious food and drink are needed to provide energy for the body;</p> <p>prepare ingredients using appropriate cooking utensils;</p> <p>measure and weigh ingredients to the nearest gram and millilitre;</p> <p>start to independently follow a recipe;</p> <p>start to understand seasonality.</p>	<p><u>Making</u> Children can:</p> <p>Plan</p> <p>with growing confidence, carefully select from a range of tools and equipment, explaining their choices;</p> <p>place the main stages of making in a systematic order;</p> <p>Practical skills and techniques</p> <p>learn to use a range of tools and equipment safely, appropriately and accurately and learn to follow hygiene procedures;</p> <p>cut, shape and score materials with some degree of accuracy;</p> <p>assemble, join and combine material and components with some degree of accuracy;</p> <p>demonstrate how to measure, cut, shape and join fabric with some accuracy to make a simple product;</p>

The curriculum for LKS2 Design and Evaluation will be taught through each unit.

Design Children can:

- identify the design features of their products that will appeal to intended customers;
- use their knowledge of a broad range of existing products to help generate their ideas;
- design innovative and appealing products that have a clear purpose and are aimed at a specific user;
- explain how particular parts of their products work;
- use annotated sketches and cross-sectional drawings to develop and communicate their ideas;
- when designing, explore different initial ideas before coming up with a final design;
- when planning, start to explain their choice of materials and components including function and aesthetics;
- test ideas out through using prototypes;
- use computer-aided design to develop and communicate their ideas (when possible)
- develop and follow simple design criteria;
- work in a broader range of relevant contexts, for example entertainment, the home, school, leisure, food industry and the wider environment.

Evaluate Children can:

- explore and evaluate existing products, explaining the purpose of the product and whether it is designed well to meet the intended purpose;
- explore what materials/ingredients products are made from and suggest reasons for this;
- consider their design criteria as they make progress and are willing to alter their plans, sometimes considering the views of others if this helps them to improve their product;
- evaluate their product against their original design criteria;
- evaluate the key events, including technological developments, and designs of individuals in design and technology that have helped shape the world.

NB. The textile element of DT is covered within our Art curriculum