

Design and Technology Curriculum



Year Group	Autumn Term	Spring Term	Summer Term
<p>Year 5 (2 lessons a week)</p>	<p>Product Design: Key Rack Pupils research and design a key rack against the given brief and specification. They learn woodwork skills, such as accurate measuring, drilling, sawing and sanding to create an attractive key rack.</p>	<p>Food Technology: Healthy Eating Pupils learn about health, safety and hygiene in the food room. Pupils cook on a fortnightly rotation and learn basic cooking skills such as peeling, cutting and stewing. Recipes include leek and potato soup with hedgehog bread rolls, fruity flapjacks and banana bread.</p>	<p>Textiles: Decorative Bags Pupils learn how to use tie dye and block printing to decorate fabric. They learn to cut fabric accurately, pin, tack and use the sewing machine to create a bag. They will also complete their sewing machine 'driving licence'.</p>
<p>Year 6 (2 lessons a week)</p>	<p>Food Technology: Baking and Decoration Pupils learn about health, safety and hygiene in the food room. Pupils cook on a fortnightly rotation and learn basic cooking and decorative skills using a range of icing techniques. Recipes include 3D iced biscuits, decorated fairy cakes and a Christmas cake.</p>	<p>Textiles: 'Ibeanies' Pupils will learn to use wax batik and printing to decorate their own fabric in order to make a 3D pyramid suitable for leaning books, tablets or phones on. Inspiration will come from researching a variety of Art Movements. Skills include using a sewing machine to create complex shapes and following commercial pattern symbols.</p>	<p>Product Design: Bug Hotels Focusing on environmental issues and reusing materials, pupils will develop their woodwork skills to create a 3D Bug hotel. Pupils will learn to use oblique designing to create a 3D drawing, before making a bug hotel which incorporates a range of joints to build upon previous knowledge.</p>
<p>Year 7 (3 lessons a week)</p>	<p>Product Design: Puppets Pupils will use isometric designing to design a shaped 3D shape and develop their woodwork skills by creating a cross halving joint using a chisel, shaping wood using a Coping and Tenon saw and using the Pillar Drill to create a puppet based on a superhero character.</p>	<p>Food Technology: Family Meals Pupils learn about how to cook on gas and electric hobs, as well as the associated health and safety risks. They prepare and cook a range of main course meals on a fortnightly rotation. Recipes include quiche, cheesy pasta and savoury mince dishes. *Due to the pandemic meals may be vegetarian to allow shorter cooking time and safer storage of food once cooked.</p>	<p>Textiles: Dumpy Doorstops Pupils use the Mexican 'Day of the Dead' festival to inspire and create a decorative doorstep using printing, hand embroidery stitches and appliqué. They will also build on sewing machine skills to create a curved and 3D shape.</p>
<p>Year 8 (3 lessons a week)</p>	<p>Textiles: Upcycled Aprons Pupils will learn about eco issues within Technology and create an apron from an unwanted shirt, to use in the product design rotation. *Pupils will need to supply their own shirt. ** 2020/21: To allow for time and skills missed in the workshop due to the pandemic, Y8 will</p>	<p>Product Design: Gumball Machines Pupils will build upon previous workshop skills learning to fine tune their precision in measuring and cutting. They will also have an introduction into mechanisms and create a functional gumball machine to house their favourite sweets.</p>	<p>Food and Nutrition: Multicultural Foods An introduction into preparing and cooking a range of multi-cultural meals with an emphasis on flavourings. Students will learn how to create meals originating from a variety of countries, researching the origins and planning for adaption to include dietary needs.</p>



	complete a shorter rotation of Textiles and a longer Product Design rotation.		*Due to the pandemic meals may be vegetarian to allow shorter cooking time and safer storage of food once cooked.
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