

Subject - KS3

Subject: Technology: Food, Textiles and Product Design

	Food		Textiles		Product Design	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	<p>Develop understanding of Food health and safety and hazards. They will develop knowledge on healthy eating and the function of the different food groups.</p> <p>The skills they will learn and use are:</p> <p>Knife skills, weighing and measuring, rubbing in method, kneading.</p> <p>To understand the uses of equipment.</p>	<p>They will continue developing their practical skills following health and safety but using different techniques.</p> <p>All students will develop understanding on the uses of a range of equipment.</p> <p>The skills they will learn and use are:</p> <p>Creaming method, weighing, peeling, dicing and boiling.</p>	<p>Develop an understanding of health and safety in the classroom. Students will develop an understanding of equipment used for sewing, applique and basic embroidery stitches.</p> <p>They will also research the theme for their project, learn about masks from around the world and create their own moodboard and mask designs</p> <p>The skills they will use and learn are:-</p>	<p>Students will continue to create their own mask, using their template to cut out their own fabric mask.</p> <p>They will create templates to apply an applique design to decorate their mask. They will also learn about other embellishments such as sequins, feathers and beads, and how to use elastic to secure their mask.</p> <p>The skills they will learn and use</p>	<p>Develop key woodworking skills and knowledge through a keyring project.</p> <p>Learn to identify and understand the properties of different types of wood.</p> <p>Gain hands-on experience in shaping and sanding wood, ensuring accurate measurements and safe tool usage. Practice correct and safe sawing techniques and know how to</p>	<p>Students continue to develop their practical skills through the making of the moodlight.</p> <p>They will also learn how to solder correctly and safely in order to make a simple LED circuit.</p> <p>They will also experience using the band facer to sand and smooth down their work and use the pillar drill to drill holes in the base.</p>

	<p>To know the functions of ingredients within recipes.</p> <p>Practicals: Fruit crumble, Bread.</p>	<p>Learn how to evaluate their practical work.</p> <p>Practicals: Muffins, Pasta Salad</p>	<p>Cutting around a template, pinning, tying a knot, running stitch, threaded running stitch and cross stitch. Using Google Slides or Canva to create a moodboard. Sketching, colouring and annotation skills</p> <p>Students will also create their own template to create a mask</p>	<p>are:-</p> <p>Creating a symmetrical and asymmetrical template, pinning cutting, stitching, tying knots</p>	<p>create designs which can be transferred onto the laser cutter.</p>	<p>They will learn how to draw a technical drawing to further enhance their design skills.</p>
<p>Year 8</p>	<p>Students will develop understanding of different cooking methods.</p> <p>The skills they will learn and use are:</p> <p>Rubbing in method, Cross,</p>	<p>All students will develop understanding on the uses of a range of equipment. Develop practical skills when making a range of food products.</p>	<p>Develop an understanding of health and safety in the classroom. Students will develop an understanding of equipment used for dyeing fabric, and basic embroidery stitches.</p>	<p>Students will continue to create their bag.</p> <p>They will create templates to apply an applique design to decorate their mask. They will also learn about the history of the</p>	<p>Learn to precisely mark out and measure wood joints, advancing their woodworking techniques through the construction of a finger-jointed box.</p>	<p>Learn to use G-clamps to secure their work while gluing.</p> <p>Learn the technique of creating a rebated lid.</p>

	<p>use of weighing scales, creaming method, knife skills, cutting techniques.</p> <p>Practicals: Pizza, Biscuits, Brownies Chicken curry.</p> <p>To be able to evaluate their practical work including sensory analysis.</p> <p>Will learn the functions of ingredients in recipes.</p> <p>Practicals: Pizza, Biscuits, chicken curry</p>	<p>Understand how to prevent cross contamination in different stages of cooking.</p> <p>The skills they will learn and use are:</p> <p>Creaming method, Melting method, knife skills, frying, use a hod.</p> <p>Practicals: Chocolate Brownies, Bolognese.</p>	<p>They will also research the theme for their project, learn about tie dye from around the world and create their own moodboard and bag designs</p> <p>The skills they will use and learn are:-</p> <p>Creating a detailed template, pinning, sewing, tying a knot, Using Google Slides or Canva to create a moodboard. Sketching, colouring and annotation skills</p> <p>Students will also tie and dye their own bag.</p>	<p>technique tie dye</p> <p>The skills they will learn and use are:-</p> <p>Creating a symmetrical and asymmetrical template, pinning cutting, stitching, tying knots</p>	<p>Students will gain hands-on experience with Computer-Aided Manufacturing (CAM) by laser cutting the lid.</p> <p>Further develop their practical skills by filing and sanding their finger joints. Additionally, they will have the opportunity to utilise various workshop machinery, including the pillar drill and band saw.</p>	<p>Students will also learn isometric drawing, which is a 3D drawing technique that can be used to enhance their design work and facilitate effective communication of ideas.</p>
<p>Year 9</p>	<p>Students will Develop their</p>	<p>All students will make a yeast</p>	<p>Develop an understanding of</p>	<p>Students will continue to</p>	<p>Students will look into the history of</p>	<p>They will learn how to create a</p>

	<p>knowledge of cross contamination and how to store, cook and prepare raw chicken when making stir fry. They will learn the danger zone temperature.</p> <p>Identify different food poisonings.</p> <p>Students will learn the term gelatinisation when making Mac'n' cheese.</p> <p>Students will make shortcrust pastry.</p> <p>Practicals: Stir fry, Mac'n'cheese, pastry pasties.</p>	<p>based bread product and be able to explain the functions of ingredients and skills used.</p> <p>Skills used: rubbing in method, kneading, shaping, rolling, creaming.</p> <p>Practicals: Chelsea buns, Sponge cake.</p>	<p>health and safety in the classroom. Students will develop an understanding of equipment used for printing fabric, and the sewing machine</p> <p>They will research the theme for their project, learn about the print artist Keith Haring create their own moodboard and pouch designs</p> <p>The skills they will use and learn are:-</p> <p>Creating a print design, pinning, using a pattern to cut out their pouch, using the sewing machine. Using Google Slides or Canva to create a moodboard.</p>	<p>create their pouch.</p> <p>They will create templates to apply an applique design to decorate their mask. They will create a research page learning about artist Keith Haring and relief printing.</p> <p>The skills they will learn and use are:-</p> <p>Creating a relief print, using the sewing machine safely, understanding the machine parts and functions and the term pivoting, sewing around corners and curves.</p>	<p>design movements, focusing specifically on the Memphis design movement to understand its key characteristics.</p> <p>They will use CAD software to design a keyring which will be cut out using laser cutting.</p> <p>They will learn to use 3D modeling software like SketchUp to create realistic renderings of their clock designs.</p>	<p>mortise and tenon joint.</p> <p>They will then refine their technical drawing abilities by producing detailed isometric drawings of their clock design.</p> <p>To ensure functionality, they must learn to integrate clock movements and hands into their design.</p> <p>Students will learn how to achieve a high quality wood finish, by practicing wood smoothing and sanding techniques,</p> <p>Students will explore various methods for applying colour</p>
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