



Icknield Community College: 3D Design, Food & Nutrition & Textiles Year 8

Term	Rotation 1 3D Design	Rotation 2 Food & Nutrition		Rotation 3 Textiles
Unit Title	Perfect Pewter Pendants	Food Analysis <ul style="list-style-type: none"> • Profiteroles • Pizza Swirls • Food Science Experiment • Pasta 	Multicultural Foods <ul style="list-style-type: none"> • Strudel • Sweet & Sour • Pies • Meatballs • Cheesecake 	Fusion Eco Fabrics <ul style="list-style-type: none"> • Environmental Textiles • Surface Design and Embellishment • Fusing Fibers • Patterns and Modelling • Using a Sewing Machine • Final Piece
Key concepts	<p>To build on the basic workshop skills of year 7 by introducing more challenging making techniques with a particular focus on metal working.</p> <p>Students will learn how to create a mould for their design and cast their design using liquid Pewter metal. They will then learn the finishing techniques of drilling, filing, sanding before finishing their pendant with a stunning colour design by applying coloured enamel powder and baking it in an oven. This will provide students a very professional quality product that they will be very proud of.</p> <p>In addition to the Pendant, students will also produce a Wooden display stand with a self designed company logo laser engraved onto it.</p> <p>To support their design, students will produce 3 sketchbook pages of research, ideas, final design and evaluation.</p>	<p>To develop students' analytical skills and technical understanding of ingredients in food.</p> <p>To build confidence and independence in practical tasks, extending skillset.</p> <p>Introducing manufacture and food science concepts.</p>	<p>Increased complexity to dishes, suitable for family meals.</p> <p>Preparing students to lead own outcomes by devising concepts in a design and make task, furthermore refining and developing these through development and practice.</p>	<p>To explore environmental issues that link into textile and artist concepts, enabling students to develop and create meaningful pieces.</p> <p>Students will learn and apply health and safety awareness in order to use a sewing machine independently.</p> <p>Learning decorative surface design and embellishment techniques to trial and select to include in their design work.</p> <p>Students will learn to pattern draft and model their ideas to assist in the planning of their final piece.</p>
Assessment Type	<p>Formative assessment tickets will be used for each of the 3 pages used in the sketchbook. We will be assessing the quality of the research pages, ideas pages, final design and evaluation pages along with the finished product.</p> <p>Whole school Assessment & Feedback sheets will also be used in accordance with the assessment calendar.</p> <p>Assessment will be carried out by the teacher, a peer and the student.</p>	<p>Formal Assessment – Assessment & Feedback Sheets</p> <ul style="list-style-type: none"> • Nutritional Analysis • Product analysis • Food Science 	<p>Formal Assessment – Assessment & Feedback Sheets</p> <ul style="list-style-type: none"> • Research • Practical • Development 	<p>Formal Assessment – Fusion Eco Fabrics Assessment & Feedback Sheets</p> <ul style="list-style-type: none"> • Experimental • Construction