



# Icknield Community College: 3D Design and Food & Nutrition Year 9

Term	Rotation 1 3D Design	Rotation 2 Food & Nutrition	Rotation 3 3D Design	Rotation 4 Food & Nutrition
<b>Unit Title</b>	<b>Pencil case project (stage 1)</b>	<b>Food Science Investigation</b> <ul style="list-style-type: none"> <li>• <b>Chocolate Project</b></li> <li>• <b>Ready Steady Cook</b></li> </ul>	<b>Pencil case project (stage 2)</b>	<b>Design Challenge</b> <ul style="list-style-type: none"> <li>• <b>Canapés</b></li> </ul>
<b>Key concepts</b>	Preparing students for year 10 and celebrating success at key stage 3 is the primary goal in year 9 3D Design. To accomplish this, students will learn to make a beautiful wooden pencil case box made with finger joints including a fabric lined interior. In addition to the pencil case box, students will produce a research page into Tribal patterns that will support their designing for the lid in stage 2 of the project later in the year.	Independent project to explore scientific properties of foods, planning and conducting a food science experiment. Experience coursework tasks in line with the new Food GCSE Qualification.	After students' first Food rotation they will return to their box project. In this stage they will design the lid of the box in their sketchbooks and create a design on a computer program to have their box lids laser engraved. Once the box is completed they can then begin learning how to create a professional finish by fabric lining their pencil case with fabric of their choice.	Designing and planning a practical task, using batch production. Product development using impartial feedback to develop design concepts. Developing product presentation techniques.
<b>Assessment Type</b>	Formative assessment tickets will be used for the research page of the sketchbook. Written feedback will also be given to major stages in the creation of the pencil case. Whole school Assessment & Feedback sheets will also be used in accordance with the assessment calendar. Assessment will be carried out by the teacher, a peer and the student.	Formal Assessment – Assessment & Feedback Sheets <ul style="list-style-type: none"> <li>• <b>Food Science: planning</b></li> <li>• <b>Food Science: processing</b></li> <li>• <b>Food Science: analysis</b></li> </ul>	Formative assessment tickets will be used for each of the remaining ideas, final design and evaluation pages of the sketchbook. Written feedback will also be given to final major stages in the creation of the pencil case. Whole school Assessment & Feedback sheets will also be used in accordance with the assessment calendar. Assessment will be carried out by the teacher, a peer and the student.	Formal Assessment – Assessment & Feedback Sheets <ul style="list-style-type: none"> <li>• <b>Practical Planning</b></li> <li>• <b>Product Presentation</b></li> <li>• <b>Product Analysis</b></li> </ul>