

Technology



KS3 Curriculum Breakdown

	<i>Year 7 (students complete an 18 week rotation of Food and Cookery and Technology)</i>	<i>Year 8 (students complete an 18 week rotation of Food and Cookery, Technology or Health and Social Care)</i>	<i>Year 9 (students complete an 18 week rotation of Food and Cookery and Technology)</i>
HT1	<p>Food and Cookery:</p> <p>Key Topics:</p> <p>Health and hygiene Food preparation skills Balanced Diets and the Eatwell guide. Food provenance Sensory analysis</p> <p>The students will complete a range of theory and practical based activities to help the to develop a deeper understanding of the above key topics.</p>	<p>Food and Cookery:</p> <p>Key topics:</p> <p>Balanced diets. Macro and Micro-nutrients. Fibre.</p> <p>The students will complete a range of theory and practical based activities to help the to develop a deeper understanding of the above key topics.</p>	<p>Food and Cookery:</p> <p>Key Topics:</p> <p>Macro and micro-nutrients (including effects of excess and deficiency): Fat Protein Carbohydrates Vitamins Minerals</p> <p>Students to continue to develop making skills through a range of</p>

		<p>Health and Social Care:</p> <p>Balanced Diets Diet Plans Vegetarian Diets Specialist Diets</p>	<p>practical activities in which they will make a meal that is rich in each nutrients.</p>
HT2	<p>Key Topics:</p> <p>Factors Effecting food choice: Cost Vegetarian</p> <p>Life stages: Teenagers/ older people.</p> <p>The purpose of a recipe.</p> <p>Hazard awareness and risk assessment.</p> <p>The students will complete a range of theory and practical based activities to help the to develop a deeper understanding of the above key topics.</p>	<p>Key topics:</p> <p>Factors effecting food choice: High Physical Activity Level (PAL) Life stages: toddlers. Environmental issues: Food miles, carbon footprint, impact of extreme weather on food production.</p> <p>Food hygiene.</p> <p>The students will complete a range of theory and practical based activities to help the to develop a deeper understanding of the above key topics.</p> <p>Health and Social Care</p> <p>Region and Diet Diets from around the world Life stages Food Hygiene</p>	<p>Key Topics:</p> <p>Factors effecting food choice: Cultural, Locality/accessibility. Seasonality.</p> <p>Synoptic project:</p> <p>Analysis of the brief Customer profile Researching dishes Creating a menu Creating a time plan</p>
HT3	<p>Key Topics:</p> <p>Development of cooking skills/ understanding of cooking methods.</p>	<p>Key topics:</p> <p>Factors effecting food choice: Health issues: Coronary heart disease, nut allergies, lactose intolerance, Coeliac disease.</p>	<p>Key Topics:</p> <p>Student to independently make both products that have been designed in HT2, focusing on: Correct preparation of self.</p>

	<p>The students will complete a range of theory and practical based activities to help the to develop a deeper understanding of the above key topics.</p> <p>Students will complete an end of unit test.</p>	<p>Labelling: the traffic light labelling system and how this can inform food choice.</p> <p>Students will complete a range of practical making activities to continue to develop their higher level making skills.</p> <p>Students will complete an end of unit test.</p> <p>Health and Social Care</p> <p>Healthy Lifestyles Health Promotions</p>	<p>Correct preparation of working environment.</p> <p>Identifying hazards and minimising risks.</p> <p>Correct selection, preparation, use, cleaning and storage of equipment and utensils.</p> <p>Accurately following written making method.</p> <p>Final presentation of product.</p> <p>Evaluation of dishes against the time plan, customer profile and brief.</p>
HT4	<p>Students will learn how to use various technical drawing techniques to draw basic shapes.</p> <p>1-point perspective.</p> <p>2-point perspective.</p> <p>Isometric.</p>	<p>Students will further develop how to use various technical drawing techniques, to support drawing of real life objects and engineering drawings.</p> <p>1-point perspective</p> <p>2-point perspective</p> <p>Isometric</p>	<p>Students will further develop their isometric skills to be able to effectively use the design to create realistic engineering drawings.</p> <p>Students will learn how to convert 3D drawings into Orthographic drawings. They will also learn about standard conventions used in industry for engineering drawings.</p>
HT5	<p>Students will complete a design and make project.</p> <p>Students will learn how to apply technical drawing skills into their design.</p>	<p>Students will complete a design and make project.</p> <p>Students will further develop how to apply technical drawing skills into their design.</p>	<p>Students will complete a design and make project.</p> <p>Students will learn how to apply technical drawing skills into designing and manufacturing as would be done in industrial engineering practices.</p>

	<p>They will learn how to solder a circuit and theory behind electronic circuits.</p> <p>They will learn how to start using machinery safely in a workshop.</p>	<p>They will learn how to effectively design and make a product with a purpose.</p> <p>They will further develop their technical skills in the workshop.</p>	<p>They will further develop how to effectively design and make a product with a purpose and a high quality shop finish.</p> <p>They will further develop their technical skills in the workshop, using more in depth processes.</p>
HT6	<p>Students will complete their practical product and write a final evaluation of the product.</p> <p>Students will complete a unit test which will cover a range of topics from the medium term plan.</p>	<p>Students will complete their practical product and write a final evaluation of the product and be able to use existing products to support their evaluation process.</p> <p>Students will complete a unit test which will cover a range of topics from the medium term plan.</p>	<p>Students will complete their practical product and write a final evaluation of the product linking the evaluation to real life industrial practice.</p> <p>Review of KS3. Students will complete a test covering topics from the y7, 8 and 9 medium term plans.</p>