

Year 8 DT



Year 8 DT Curriculum Information

	Key Question:	Specification:	Skill Focus:
Food	Can you identify the difference between fats and sugars? Can you explain the effects of deficiency and excess?	<ul style="list-style-type: none"> • Sugars • Fats • Carbohydrates • Practical skills – including shaping dough • Yeast and raising agents • Function of ingredients • Food safety 	A01: Independently create a successful product within one hour. A02: Independently create a successful product within one hour. A03: Health and nutrition knowledge, function of ingredients, food safety and raising agents.
Product Design	How do designers and engineers use vacuum forming and program coding in the design and manufacturing of a product?	<ul style="list-style-type: none"> • Health and Safety in the workshop • Product/Market Research • Product Design • Manufacturing – Vacuum forming and thermoplastics • Soldering and circuit board population. • Flowchart coding with Microbit circuits. • Product assembly • Product evaluation 	A01: Identify tools and machines in the workshop and the relevant health and safety regulations for their correct use. A02: Properties of thermoplastics when vacuum forming. A03: Coding used in circuit design and operation.

Year 8 DT Assessment Information

Assessment	Time/Venue	What will be assessed?
Food Term 1: Practical Term 2: Practical Term 3: Exam	Term 1: 1hr classroom. Term 2: 1hr classroom. Term 3: 1hr written paper.	A01: Complete a practical task in one hour. Pupils will be assessed on key skills including kneading, rolling and shaping a dough. A02: Complete a practical task in one hour. Pupils will be assessed on how effectively they use equipment and the quality of their product. A03: Exam paper on nutrition, including fats and sugars, food safety and function of ingredients.
Product Design Term 1: Research Term 2: Design Term 3: Summer exam	Term 1: 1hr classroom. Term 2: 1hr classroom. Term 3: 1hr written paper.	A01: Research task using ACCESS FM as a product research tool. A02: Design task using technical drawing processes to design a product. A03: Exam paper on thermo and thermosetting plastics, vacuum forming and coding.

