

Year 9 DT



Year 9 DT Curriculum Information

	Key Question:	Specification:	Skill Focus:
Food	Can you identify and explain the effects of a poor diet? Why are vitamins vital for good health?	<ul style="list-style-type: none"> • Macronutrients • Micronutrients • The importance of a nutritionally balanced diet • Health implications of a poor diet • Adapting recipes 	A01: Adapt and develop a recipe to produce a healthier alternative to a traditional sponge cake. A02: Complete a complex practical task in one hour. A03: Health and nutrition knowledge, macro and micro nutrients. The effect of diet on our health
Product Design	How do designers and engineers use computer aided design and computer aided manufacturing 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 • Computer Aided Design • Computer Aided Manufacturing • Soldering and circuit board population. • Product assembly • Product evaluation 	A01: Identify tools and machines in the workshop and the relevant health and safety regulations for their correct use. A02: CAD used in 2D and 3D design applications. A03: CAM used in commercial manufacturing and laser cutting/engraving school project.

Year 9 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 an adapted recipe in one hour. Pupils will be assessed on practical and presentation skills. A02: Complete a practical task in one hour. Pupils will be assessed on their ability to work independently and adapt a recipe. A03: Exam paper on nutritional requirements, food safety, bread making 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 CAD/CAM manufacturing questions.

