

**Year 8 DT**

**Year 8 DT Curriculum Information**

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| **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. | AO1: 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, 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. |
| **Textile Design**  **Term 1:** Research  **Term 2:** Design  **Term 3:** Exam | **Term 1:** 1hr Classroom  **Term 2:** 1hr Classroom  **Term 3:** 1hr Written paper | A01: Research task- Mood-board, Product analysis, Design Specification  A02: Design task- using techniques (Applique, toy construction, embroidery stitches)  A03: Exam paper on key health and safety, techniques and manufacturing questions. |

**Year 8 DT Assessment Information**

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|  | **Key Question:** | **Specification:** | **Skill Focus:** |
| **Food** | Can you identify the difference between fats and sugars? Can you explain the effects of deficiency and excess? | * Sugars * Fats * Carbohydrates * Practical skills – including shaping dough * Yeast and raising agents * Function of ingredients | 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 and using equipment safely. |
| **Product Design** | How do designers and engineers use vacuum forming and program coding in the design and manufacturing of a product? | * 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. |
| **Textile Design** | What is a paper pattern?  How are patterns used in the textiles industry? | * Product research * Product Design * Manufacturing-Making a soft toy * Textile techniques * Production of Manufacture * Product evaluation | A01: Analysing existing products  A02: Designing using key techniques and processes  A03:-Manufacturing of product using key equipment and processes |