

**Year 7 Design & Technology**

**Year 7 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 health and safety as well as quality of the final product.  A02: Complete a practical task in one hour. Pupils will be assessed on health and safety as well as quality of the final product.  A03: Exam paper on key health and safety and nutrition questions. |
| **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 key health and safety and manufacturing questions. |
| **Textiles**  **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, Tie-dye Hand embroidery stitches)  A03: Exam paper on key health and safety, techniques and manufacturing questions. |

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|  | **Key Question:** | **Specification:** | **Skill Focus:** |
| **Food** | Can you follow health and safety guidelines to work effectively in the food classroom? | * Safety * Hygiene * Macronutrients * Vitamins and minerals * Healthy diet * Basic practical skills | A01: Identify basic equipment used in the practical environment. Work safely, efficiently and independently to create a quality food product.  A02: Complete a practical task independently in one hour.  A03: Health and nutrition knowledge, health and safety and identifying equipment and ingredients. |
| **Product Design** | How do designers and engineers use resistant materials and electronic devices in the design of a product? | * Health and Safety in the workshop * Product/Market Research * Product Design * Resistant materials 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: Resistant materials (wood work). PCB population (soldering and circuit work).  A03: The research and evaluation of commercial products. |
| **Textiles** | What are the parts of the sewing machine?  How do you think this design appeals to your target user?  Justify your design ideas. | * Health and safety in the textiles room * Moodboard/Product analysis * Design ideas * Techniques and processes * Manufacturing plan   **Year 7 DT Assessment Information**   * Product evaluation | A01: Identify tools and machines in the workshop and the relevant health and safety regulations for their correct use.  A02: Designing a product using textile techniques and processes  A03: Evaluation and presentation of final product |