

# Year 7 Design & Technology



## Year 7 DT Curriculum Information

	Key Question:	Specification:	Skill Focus:
<b>Food</b>	Can you follow health and safety guidelines to work effectively in the food classroom? Why does our body need nutrients?	<ul style="list-style-type: none"> <li>Safety</li> <li>Hygiene</li> <li>Macronutrients</li> <li>Vitamins and minerals</li> <li>Healthy diet</li> <li>Basic practical skills</li> </ul>	<p>A01: Identify basic equipment used in the practical environment. Work safely, efficiently and independently to create a quality food product.</p> <p>A02: Complete a practical task independently in one hour.</p> <p>A03: Health and nutrition knowledge, health and safety and identifying equipment and ingredients.</p>
<b>Product Design</b>	How do designers and engineers use resistant materials and electronic devices in the design of a product?	<ul style="list-style-type: none"> <li>Health and Safety in the workshop</li> <li>Product/Market Research</li> <li>Product Design</li> <li>Resistant materials manufacturing</li> <li>Soldering and circuit board population.</li> <li>Product assembly</li> <li>Product evaluation</li> </ul>	<p>A01: Identify tools and machines in the workshop and the relevant health and safety regulations for their correct use.</p> <p>A02: Resistant materials (wood work). PCB population (soldering and circuit work).</p> <p>A03: The research and evaluation of commercial products.</p>

## Year 7 DT Assessment Information

Assessment	Time/Venue	What will be assessed?
<b>Food</b> <b>Term 1:</b> Practical <b>Term 2:</b> Practical <b>Term 3:</b> Exam	<b>Term 1:</b> 1hr classroom. <b>Term 2:</b> 1hr classroom. <b>Term 3:</b> 1hr written paper.	<p>A01: Complete a practical task in one hour. Pupils will be assessed on health and safety as well as quality of the final product.</p> <p>A02: Complete a practical task in one hour. Pupils will be assessed on health and safety as well as quality of the final product.</p> <p>A03: Exam paper on key health and safety and nutrition questions.</p>
<b>Product Design</b> <b>Term 1:</b> Research <b>Term 2:</b> Design <b>Term 3:</b> Summer exam	<b>Term 1:</b> 1hr classroom. <b>Term 2:</b> 1hr classroom. <b>Term 3:</b> 1hr written paper.	<p>A01: Research task using ACCESS FM as a product research tool.</p> <p>A02: Design task using technical drawing processes to design a product.</p> <p>A03: Exam paper on key health and safety and manufacturing questions.</p>

