

Subject	Year 11 Core Knowledge – Autumn/Spring/Summer term	How to support students' learning
Tech - Food	<p>Autumn Term</p> <p>NEA –</p> <ol style="list-style-type: none"> 1. Communicate ideas based on research using a range of techniques. 2. Present design concepts in a coherent manner which meet the needs of the task. 3. Confidently use a range of drawing techniques including isometric and two-point perspective. 4. Explore design feasibility through a range of testing. 5. Effectively demonstrate the use of iterative design to explore a range of design possibilities. 6. Develop an understanding of the works of designers throughout history and how they can apply their influence to their designs. <p>Spring Term</p> <p>NEA -</p> <ol style="list-style-type: none"> 7. Use CAD to communicate design ideas and perform rapid prototyping. 8. Make effective use of CAM to produce a final outcome. 9. Use tools and equipment independently and accurately to produce a final outcome. 10. Use client feedback and data to evaluate a design. 11. Make links with industry to identify how a product can be produced on a mass scale. <p>Summer Term</p> <ol style="list-style-type: none"> 12. Identify and understand command words to respond to questions in the correct manner. 	<p>https://youtu.be/JCyW4NI9znE Industrial Design Ideation Tutorial: Techniques, Tools & Inspiration to Avoid Creative Block – YouTube DRAWING TECHNIQUES USED BY DESIGNERS (technologystudent.com) 7 Product Design Testing Methods and Strategies (hotjar.com) Iterative design - Designing - AQA - GCSE Design and Technology Revision - AQA - BBC Bitesize https://youtu.be/WhdYYKWhaMU</p> <p>https://www.autodesk.co.uk/products/fusion-360/overview?panel=buy&mktvar002=afc_gb_nmpi_ppc&AID=10994792&PID=2016554&gclsrc=3p.ds&ds_rl=1232401&ds_rl=1232404&ds_rl=1232437&gclid=309eed7c1be91da3b05d886898ecab56&gclsrc=3p.ds&ds_rl=1232401&ds_rl=1232404&ds_rl=1232437&&cjevent=309eed7c1be91da3b05d886898ecab56&gclid=309eed7c1be91da3b05d886898ecab56&gclsrc=3p.ds The use of computer aided design and computer aided manufacture - Technological influence on business activity - Eduqas - GCSE Business Revision - Eduqas - BBC Bitesize MATERIALS INCLUDING: LEVEL 1/2 TECHNICAL AWARD MATERIALS TECHNOLOGY (technologystudent.com) Responding to feedback - Evaluating - AQA - GCSE Design and Technology Revision - AQA - BBC Bitesize CGP GCSE AQA Design and Technology 38-39</p> <p>Seneca - Learn 2x Faster (senecalearning.com) AQA GCSE Design and Technology Appendix 1: Links to maths and science</p>

	<p>13. Apply basic maths skills relevant to design.</p> <p>14. Explain a variety of manufacturing processes using notes and sketches.</p> <p>15. Understand how mechanical systems are used in design.</p>	<p>Explain This... Design and technology (D&T) - BBC Teach</p> <p>Principles of mechanical systems - Mechanical devices - Eduqas - GCSE Design and Technology</p> <p>Revision - Eduqas - BBC Bitesize</p>
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