

Subject	Year 10 Core Knowledge – Autumn/Spring/Summer term	How to support students' learning
Technology – Timbers	Autumn/Spring/Summer Term Timber – <ol style="list-style-type: none"> 1. Understand the sources, origins, physical and working properties of each natural and manufactured timber. 2. Apply knowledge and understanding of the advantages, disadvantages, and applications of timbers, in order to discriminate between them and select appropriately. 3. Develop awareness of the influence of forces and stresses that act on materials and the methods that can be employed to resist them. 4. Consider timbers social and ecological footprint. 5. Demonstrate specialist techniques, tools, equipment and processes that can be used on each natural and manufactured timber to shape, fabricate, construct and assemble a high-quality prototype. 	<ul style="list-style-type: none"> • 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 • 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&click_id=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 • Seneca - Learn 2x Faster (senecalearning.com) • AQA GCSE Design and Technology Appendix 1: Links to maths and science • Explain This... Design and technology (D&T) - BBC Teach • Principles of mechanical systems - Mechanical devices - Eduqas - GCSE Design and Technology Revision - Eduqas - BBC Bitesize.

