

Year 9 Design Technology Curriculum Sequencing Grid	
Subject:	Design Technology
Unit <i>(Tablet in 39-week plan)</i>	Up to 10 lessons in total over the year Wooden Frame and Joint types
Substantive knowledge <i>(required for Y11)</i> <i>What... How... Why...</i>	<ul style="list-style-type: none"> • Skills required for independent learning, safe practice focusing on higher level practical skills. • Introduction to working from a brief. Understanding the needs of a client and applying to planning and production. • The ability to plan and make Products understanding modifications for individual needs and specifications • Increase mathematical skills in quality control before being able to cut • To understand a range of different wood joint methods and state strengths and weaknesses of each
Key Disciplinary Knowledge <i>(required for Y11)</i> <i>What... How.... Why....</i>	<ul style="list-style-type: none"> • The ability to use a range of different types of wood joint and how to improve its overall strength • How to use both sides of a bevel edged chisel to remove large and small amounts of material • How to make and apply wood filler to correct mistakes made while cutting to ensure the product still has a high-quality finish • Further develop skill in 'finishing' by interpreting the information given by a client and using it to decorate accordingly • Show the skills required to work around other in a shared space while working independently to achieve a goal

	<ul style="list-style-type: none"> Be able to explain, in detail all the health and safety instructions required to operate the technical equipment in the room
Key Technical Vocabulary <i>To be modelled and deliberately practiced in context.</i>	Re-cap Y8 Hand Files Sandpaper New for Y9 Try Square Tennon Saw Bevel edged chisel Mallet Half-lap Joint Dowel Joint Client needs
Opportunities for reading	Health and safety instructions around the room and in student booklets
Developing Cultural Capital <i>Essential knowledge and skills of educated citizens.</i>	Practical Joinery , correct choice of materials for the job, working with others and responsible/sustainable consumers
Authentic Connections – Cross Curricular Links	Science and Maths- Accuracy of measuring, marking, and recording
Key Assessment	Pupils tested on their retention and understanding of food commodities through exam style questions.