

Meden School Curriculum Planning							
Subject	GCSE D&T	Year Group	10	Sequence No.	Skills Board 1	Topic	Wood Joints x4

Retrieval	Core Knowledge	Student Thinking
What do teachers need retrieve from students before they start teaching new content ?	What specific ambitious knowledge do teachers need teach students in this sequence of learning?	What real life examples can be applied to this sequence of learning to development of our students thinking, encouraging them to see the inequalities around them and 'do something about them!'
<input type="checkbox"/> Which wood saws are used in which applications, (specifically that a tenon saw is used to cut straight lines and a coping saw to cut curves/corners). <input type="checkbox"/> The use of a tri-square for marking lines at 90° across a piece of material. <input type="checkbox"/> The correct and safe use of the vertical sander. <input type="checkbox"/> That cylindrical rods of wood are called dowel.	<input type="checkbox"/> That wood joints are used to create a stronger connection between two or more pieces of wood, and that typically, the more surface area of connection, and the more planes, the stronger the joint. <input type="checkbox"/> What a marking gauge is, and that it is used to mark lines parallel to the edge of a piece of timber. <input type="checkbox"/> What a tri-square is, and that it is used to mark lines at 90° to the edge of a piece of timber. <input type="checkbox"/> That when sawing timber, (and other materials there is the need to cut on the waste side of the line. <input type="checkbox"/> That cutting, sanding, drilling and using a chisel to remove part of the timber are all methods of 'wastage/wasting', (removing waste material). <input type="checkbox"/> The correct marking out of a housing joint, (see PowerPoint for the diagram details). <input type="checkbox"/> The correct cutting, (using a tenon saw, chisel and mallet) and assembly of a housing joint. <input type="checkbox"/> That the adhesive used for joining wood to wood is called PVA. <input type="checkbox"/> The correct and safe use of the vertical sander (retrieval) to finish the part, and prepare it for mounting on the skills board. <input type="checkbox"/> The correct marking out of a finger joint, (see PowerPoint for the diagram details). <input type="checkbox"/> The correct cutting, (using a tenon saw, chisel and mallet) and assembly of a finger joint. <input type="checkbox"/> The correct marking out of a mortice and tenon joint, (see PowerPoint for the diagram details).	<input type="checkbox"/> That the timber we use in school is FSC approved. That FSC approval means that the timber has been harvested in a responsible manner. That the 'FSC Approved' symbol can be found on lots of wooden and paper-based products and that it enables consumers to make environmentally sound purchasing decisions.

	<ul style="list-style-type: none"><input type="checkbox"/> The correct cutting, (using a tenon saw, chisel and mallet) and assembly of a mortice and tenon joint.<input type="checkbox"/> That the mortice is the 'socket' and the tenon the part that fits into that socket.<input type="checkbox"/> The correct and safe use of the morticing machine for making the mortice.<input type="checkbox"/> The correct marking out of a dowel joint, (see PowerPoint for the diagram details).<input type="checkbox"/> The correct cutting, (using a tenon saw and drill) and assembly of a dowel joint.<input type="checkbox"/> That dowel is a cylindrical wooden rod that is cut into shorter pegs and used for jointing pieces of wood/manufactured boards.<input type="checkbox"/> The correct and safe use of the hand-held electric drill to create the aligned holes to receive the pieces of dowel.	
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