

Year 7 Curriculum Sequencing Grid

Subject:	Design Technology
Unit <i>(Tablet in 39-week plan)</i>	Introduction to the workshop Wooden Toy Up to 10 double lessons each area And Name Plate
Key Substantive Knowledge <i>(required for Y11)</i> <i>What... How... Why...</i>	<ul style="list-style-type: none"> • Understanding The importance of workshop safety and the correct storage of work/ equipment • Understanding the functions of tools and equipment • Understanding the difference between different wood types • Self-evaluation and how to improve the standard of work • Independent learning and development of safe practice • The ability to solve and order problems to complete tasks E.g. cutting and shaping wheels while waiting for pain to dry on other piece • The ability to apply mathematical skills through measuring and drawing with a compass • Teamwork/sharing of equipment
Key Disciplinary Knowledge <i>(required for Y11)</i> <i>What... How.... Why....</i>	<ul style="list-style-type: none"> • Basic hand tool skills: <ul style="list-style-type: none"> ○ Using a coping saw to cut in a straight line to a degree of accuracy of at least 5mm (EXS grade requirement as per SOL) ○ Using a coping saw to cut rounded shapes allowing for more complex designs to be created ○ Using a hand file/ sandpaper to remove all sharp or uneven edges to meet the requirements of the design brief ○ Using a tri-square to accurately mark materials with a straight line.

	<ul style="list-style-type: none"> ○ Using the pillar drill • Show the skills required to work around other in a shared space while working independently to achieve a goal • 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>	Hard Wood (advantages and disadvantages) Soft Wood (advantages and disadvantages) Manufactured Board (advantages and disadvantages) Tree Felling Manufacturing process Coping Saw Hand Files Sandpaper Belt Sander Vice Pillar Drill Finishing- Removing of sharp edges and even application of paint/stain
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 woodwork skills, correct choice of tool 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	Short answer questions on content (AO1) Practical assessment based on: <ul style="list-style-type: none">• Cutting• Filing/ Sanding• Finishing/ Functionality
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