

STEAM Year 9 Craftsperson

You will

- Learn about tools and methods of woodworking
- Learn about timber selection and production
- Learn about lamination and working with multiple woods
- Understand and accept that beautiful things take time to make

STEAM SKILLS

Using failure to learn and grow
Accuracy
Understanding of tools

<p>Lesson Overview</p> <ul style="list-style-type: none"> • Timber and methods of wood production • Design to a brief using wood • Lamination of wood strips, making cheap wood into useable size pieces • Working with wood, cutting, sanding and planing. • Finishing, and methods of wood preservation 	<p>Key Words</p> <p>Turning Grain Hardwood Softwood Resin Fastener Plane Grit Varnish</p>
<p>Suggested reading or support available</p> <p>Youtube</p> <p>wood turning</p> <p>Joinery</p>	<p>Cross curricular</p> <p>Measurement, Ratio (maths) Drawing and symmetry (maths) Accuracy (care with measurement and wood work) Grafter (hardworking)</p> <p>SMSC</p> <p>Sustainability and deforestation, responsibly sourced materials.</p> <p>Literacy links</p>

SUCCESS CRITERIA

Highlight your starting point for each skill in **PINK**, at the end of the project highlight where you think you got to in **BLUE**.

Grade Range	Using failure to learn and grow	Accuracy	Understanding of tools
0	I presented no work.	I presented no work.	I presented no work.
1	<p>WWW: I can identify some basic errors and mistakes with my work.</p> <p>EBI: I need to reflect more on my mistakes and try to not repeat them.</p>	<p>WWW: I have made an attempt to complete the task with some success.</p> <p>EBI: I need to try and take more time and care with my work to avoid mistakes.</p>	<p>WWW: I know which tools or software to select and can use them for basic tasks safely (with hand tools or computer software).</p> <p>EBI: I need to be able to choose the correct tools (hand tools or software) and understand the risks.</p>
4	<p>WWW: I can identify some issues and mistakes and overcome them. I can reflect on the causes of mistakes and see why they happened.</p> <p>EBI: I need to think more carefully about past experiences\mistakes so that I do not make the same mistake again.</p>	<p>WWW: I have completed the task with reasonable accuracy and have created a successful piece of work</p> <p>EBI: I need to make sure I have planned and prepared my work beforehand and take more care to avoid errors.</p>	<p>WWW: I can select the correct tools (hand tools or software) and know the risks of that tool.</p> <p>EBI: I need to expand my knowledge and features of different tools (hand and software).</p>
6	<p>WWW: I managed to independently identify and fix issues and mistakes.</p> <p>EBI: I should refer to my past errors (looking at my past work) and attempt to resolve potential mistakes at the design stages.</p>	<p>WWW: I have consistently completed tasks with care and with few mistakes resulting in a successful piece of work.</p> <p>EBI: I need to ensure my work is planned and prepared thoroughly to ensure I can complete a task without any errors.</p>	<p>WWW: I can make good choices in my selection of tools (hand tools and software) for safe and efficient use. I have a good understanding of their purpose.</p> <p>EBI: I need to expand my knowledge and purpose of a wider range of tools and equipment so I can work more effectively.</p>
8	<p>WWW: I can shown and explain, using previous issues and mistakes, why my work or solutions will be more likely to succeed than in previous efforts.</p> <p>EBI: When testing a problem, I need to make sure that I also try to prove something doesn't work as well as what does work to gain a better understanding.</p>	<p>WWW: I always complete the tasks with a high level of precision and accuracy and have produced a quality outcome which is both functional and elegant.</p> <p>EBI I should consider ways of producing every part of my work to a consistently high quality.</p>	<p>WWW: I know the pros and cons of different tools (hand tools and software) and can make clear decisions on which to use for safety and efficiency. I have an excellent understanding of how they work and their capabilities.</p> <p>EBI: I can expand my knowledge and understanding of tools (hand\machine and software</p>

			tools) that are used in the real world.
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