

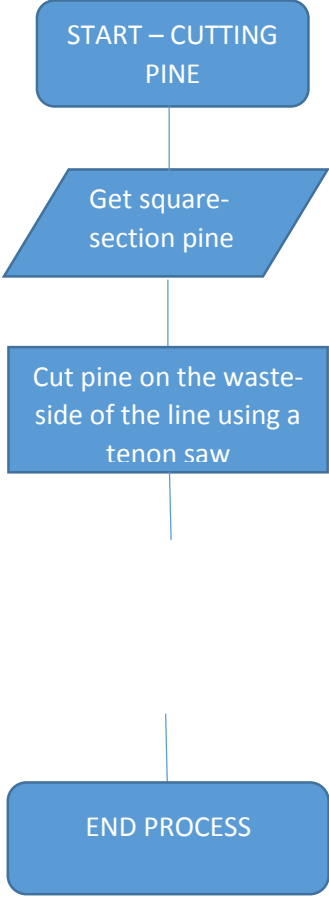
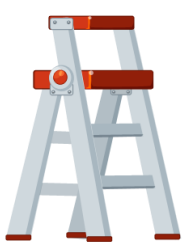


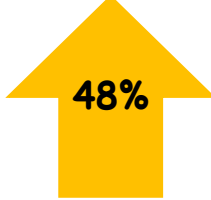
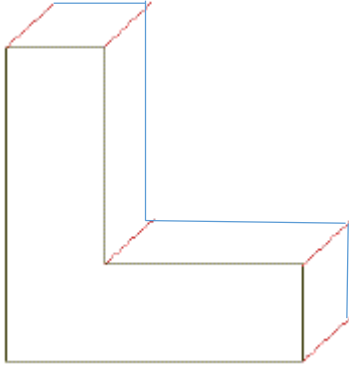
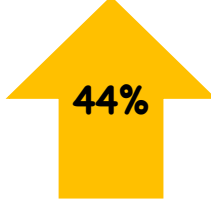



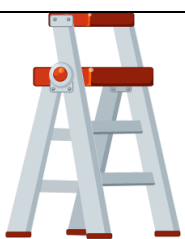
Percentage	I can ...	Prove it!
	<p>I can select appropriate tools, materials and processes to manufacture a working prototype.</p>	<p>Use the practical sessions to create a toy vehicle that matches your design drawing. You must:</p> <ul style="list-style-type: none"> • Have a working prototype • Work with precision and accuracy • Solve problems independently • Select appropriate tools, materials and processes.
	<p>I can create quality control flow diagrams.</p>	<p>The flow diagram below outlines how to cut a square section piece of pine at 90°. Insert a quality control check into the diagram.</p> <pre> graph TD A[START – CUTTING PINE] --> B[/Get square-section pine/] B --> C[Cut pine on the waste-side of the line using a tenon saw] C --> D[END PROCESS] </pre> 



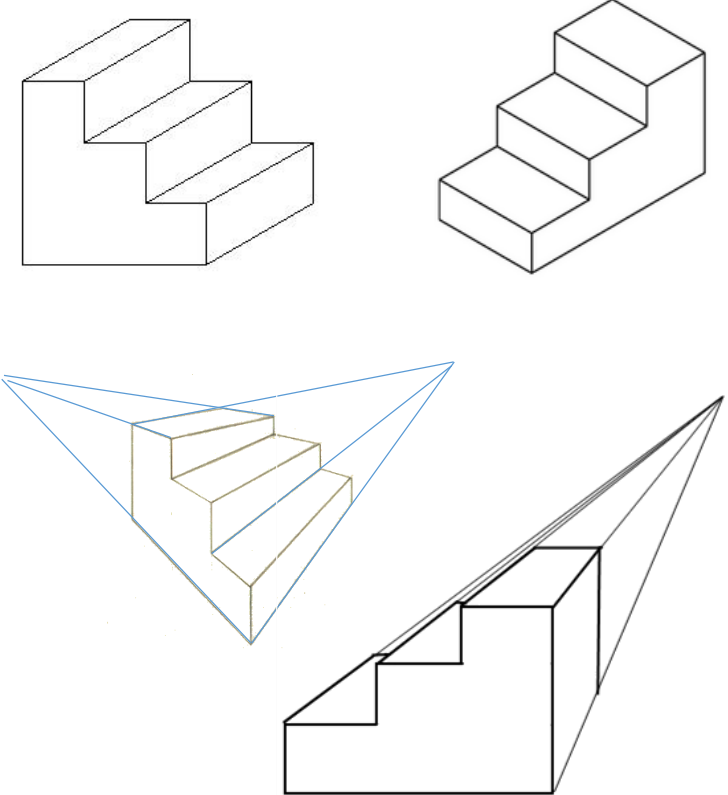
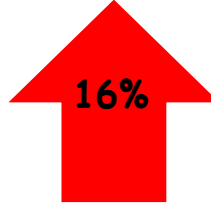


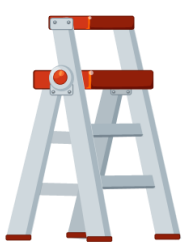
Percentage	I can ...	Prove it!
	<p>I can create a flow diagram for a simple system.</p>	<p>Create a flow diagram to describe this system.</p> <p><u>Making a cup of tea</u> Firstly get a mug and put a tea bag in it. Then turn on the kettle. If it is boiled, pour the boiling water into the mug. Wait for 2 minutes. Remove the teabag and then add a dash of milk just until the colour is a light brown. Enjoy your mug of tea!</p>
	<p>I can select appropriate tools for a project and explain my choices.</p>	<p>Indicate which tool would be most appropriate for the following purpose. Explain your answer. Possible tools: Try Square / Tenon Saw / Coping Saw / Sand Paper / Disc Sander / Fret Saw / Metal Rule / Bench Hook / Pillar Drill.</p> <ul style="list-style-type: none"> - Cutting a letter B out of a piece of plywood. - Checking the end of a piece of square section pine is 90°. - Cutting a plank of pine in half. - Creating a hole through a piece of oak. - Measuring out a length of wood 250mm long. - Shaping the end of a piece of ply-wood into a convex curve.
	<p>I can translate oblique drawings into one point perspective.</p> <p>I can translate oblique drawings into two-point perspective.</p>	<p>Translate this oblique shape into both one-point perspective and two-point perspective.</p> 
	<p>I can create a "Log of Manufacture"</p>	<p>Label the picture to explain what is happening, referencing any quality and health and safety issues.</p> 



Percentage	I can ...	Prove it!
	<p>I can recognise the key elements of a flow diagram.</p>	<p>Match the flow diagram boxes to their names:</p> <p>DECISION INPUT/OUTPUT START/END PROCESS</p>
	<p>I can recognise the difference between Quality Assurance and Quality Control.</p>	<p>Which of these definitions describes "Quality Control" and which describes "Quality Assurance"?</p> <p>A series of checks, carried out during manufacture that check the quality of the product.</p> <p>A series of steps, carried out before manufacture to ensure the quality of the product.</p>
	<p>I can replicate simple one-point perspective drawings</p>	<p>Make a copy of the one-point perspective cubes below</p>
	<p>I can replicate simple two-point perspective drawings</p>	<p>Make a copy of the two-point perspective cubes below</p>



Percentage	I can ...	Prove it!
	<p>I can explain why surface finishes are applied to timber.</p>	<p>Explain two reasons why surface finishes are applied to woods: Reason 1 _____ _____ Reason 2 _____ _____</p>
	<p>I can distinguish between one-point perspective and two-point perspective.</p>	<p>Label these drawings to indicate if they are one-point perspective, two-point perspective, oblique or isometric? How do you know?</p> 
	<p>I can recognise surface finishes for types of wood.</p>	<p>Circle the surface finishes which can be applied to natural woods:</p> <p>Sanding / Paint / Stain / Varnish / Electroplating / Galvanising / Wax / Filing / Polish</p>



Key Words:

Flow Diagram

Paint

Stain

Varnish

Wax

Surface Finish

Perspective

Translate

Decision

Input

Output

Process

Quality Assurance

Quality Control

Precision

Accuracy

