

Title:	Skills for Carpentry and Joinery
Aim:	The purpose of this unit is to allow learners to develop and demonstrate basic carpentry skills.
Unit Level:	1
Credit Value:	6
GLH	60
Unique Reference Number	R/618/0887
Assessment	Assessment of this unit will be through the completion of two NOCN devised practical tasks and associated knowledge questions (written or verbal). This unit is internally assessed and internally and externally quality assured using the NOCN assessment booklets to evidence all learning outcomes.
Learning outcomes <i>The learner will:</i>	
1. Be able to prepare to carry out carpentry and joinery.	
Delivery content: The purpose of this learning outcome is to allow learners to demonstrate their ability to prepare to carry out carpentry and joinery tasks. The learner must: <ul style="list-style-type: none"> • be able to identify the information required to carry out given tasks. • be able to identify the hazards and risks before starting tasks. • know how to use information to identify the work required and calculate the materials necessary. • be able to select the tools, equipment, including personal protective equipment, and materials required for given tasks. • be able to check all tools, equipment and materials to ensure they are safe and fit for purpose. • know the procedures for reporting faulty or unsafe tools and equipment. • be able to set up an area for carpentry and joinery. • be able to set out tools, equipment and materials for carpentry and joinery tasks. • be able to produce accurate drawings of joints and carpentry and joinery products. 	
2. Be able to prepare materials to carry out carpentry and joinery.	
Delivery content: The purpose of this learning outcome is to allow learners to demonstrate their ability in preparing the materials required to carry out given tasks. The learner must: <ul style="list-style-type: none"> • obtain suitable quantities of materials. • use face and edge marks when working with timber. • measure and mark out lengths of timber for cutting and joining. • select appropriate tools and equipment to complete carpentry and joinery tasks. • follow the method statements and risk assessments to ensure that materials are prepared correctly and safely. 	
3. Be able to carry out carpentry and joinery.	

Delivery content:

The purpose of this learning outcome is to allow learners to demonstrate their ability in carrying out carpentry and joinery tasks.

The learner must:

- cut timber and **timber-based products** to correct dimensions.
- produce and assemble carpentry and joinery **joints**.
- produce, assemble and install **carpentry and joinery products** using **adhesives and fixings** (where appropriate).
- ensure all work is completed to specified finish and within agreed tolerances.
- check for and correct any imperfections.

4. Be able to clear and clean the work area and tools after carpentry and joinery tasks.

Delivery content:

The purpose of this learning outcome is to evidence that learners can clear and clean the work area to instruction.

The learner must:

- clean, inspect and store all tools, equipment and excess materials in accordance with manufacturers' guidance.
- report any issues in accordance with organisational procedures.
- clean the work area and dispose of all waste in accordance with legislative requirements, manufacturers' guidance and organisational procedures.
- leave the work area in a safe and clean condition, using collective protective measures as appropriate.
- complete all final paperwork as required and file correctly.

Scope of Training

The Scope of Training identifies areas that must be covered during the delivery of this unit. This is the minimum that is expected but tutors are expected to include other areas, knowledge of which will benefit their learners, based on location, types of work available and from the tutors own professional experience.

The expectation is that the learner will be able to complete basic preparation activities with little, or no, support from the trainer. It is not expected that the work produced will be at site standard but must be carried out safely and the completed work left in a safe condition.

Tutors should use their professional experience to set basic carpentry and joinery tasks that increase in complexity.

The following expands on terms highlighted through the unit. Those in bold are the minimum expectations, those not highlighted can be addressed in order to stretch and challenge learners. It is expected that tutors use their professional experience to expand on the areas covered, making them relevant to the local area and employment opportunities and explain terms in using terminology understandable to their learners.

Scope of Assessment

The learners will complete **two** live carpentry and joinery assessments, available from NOCN.

The following are examples of what the assessments are based around.

- Skirting and architraves
- Floor joists
- Flooring
- Door lining
- Hanging a door
- Window frames
- Fixed truss
- Units and worktops

The current live assessments must be downloaded at the start of the learner's assessment.

The completed work must be within agreed tolerances. Specifications for each assessed task are available from NOCN.

Completed work should be left in a safe and clean condition.

	Requirements		
Sources of Information	Job specification Drawings (2D and 3D) Method statements	Risk assessments Permits to work Plans	
Use information	Materials Tools Measurements Quantities	Hazards and risks Tolerances Position	
Tools	Saws <ul style="list-style-type: none"> • Standard hand • Tenon • Hack • Keyhole/Coping Tape measure Try-squares Marking gauges Mallet	Clamps Carpenter's/Combination square Wood chisels Spirit level Screwdrivers Planes Claw hammer Metal rule	
Materials	Adhesives Fixings Timber	Timber based products Ironmongery	Biscuits Dowels
Equipment	Dust sheeting Brush Waste sacks	Carpenter's pencil Bench/holding devices	Abrasive paper Access equipment
Personal Protective Equipment (PPE)	Hard hat Safety boots Goggles Gloves	Knee pads Mask / respiratory protection Hearing protection	High visibility clothing
Joints	Halving joints Mitre joint Half-lap joint Dovetail joint (box) Mortise and tenon joint	Through haunch mortise and tenon Bridle joints Through mortise and tenon Housing joints Scribe	

Carpentry and Joinery Products	Skirting and architraves		Window frames	
	Floor joists and Flooring		Fixed truss rafter roofs	
	Doors, door frames & linings		Units and worktops	
Power tools	Drill	Router	Mortiser	Jigsaw
	Driver	Planer	Thicknesser	Mitre saw
	Circular saw	Sander		

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