

Draft National Unit Specification



Unit title: Practical Woodworking: Carcase Construction (National 4)

SCQF: level 4 (6 SCQF credit points)

Unit code: to be advised

Unit outline

The general aim of this Unit is to develop practical skills in the use of woodworking tools and the production of a range of joints suitable for use in carcase construction.

In addition, learners will develop their knowledge of safe working practices in the workshop. They will also develop their knowledge of woodworking materials and the sustainability issues that surround these. The Unit is designed to develop transferable skills in workshop practice which can be applied to a range of different situations and contexts.

Learners who complete this Unit will be able to:

- 1 Prepare for carcase construction woodworking tasks
- 2 Manufacture a range of basic woodworking joints used in carcase construction
- 3 Manufacture a carcase construction woodwork assembly with four joints

This Unit is a mandatory Unit of the Practical Woodworking (National 4) Course and is also available as a free-standing Unit. The Unit Specification should be read in conjunction with the *Unit Support Notes*, which provides advice and guidance on delivery, assessment approaches and development of skills for learning, skills for life and skills for work. Exemplification of the standards in this Unit is given in the *National Assessment Resource*.

The Added Value Unit Specification for the Practical Woodworking (National 4) Course gives further mandatory information on Course coverage for learners taking this Unit as part of the Practical Woodworking (National 4) Course.

Recommended entry

Entry to this Unit is at the discretion of the centre. However, learners would normally be expected to have attained the skills, knowledge and understanding required by one or more of the following or equivalent qualifications and/or experience:

- ◆ Access 3 Practical Craft Skills Course or relevant component Units
- ◆ Access 3 Design and Technology Course or relevant component Units

In terms of prior learning and experience, relevant experiences and outcomes may also provide an appropriate basis for doing this Unit. Further information on relevant experiences and outcomes will be given in the *Unit Support Notes*.

Equality and inclusion

This Unit Specification has been designed to ensure that there are no unnecessary barriers to learning or assessment. The individual needs of learners should be taken into account when planning learning experiences, selecting assessment methods or considering alternative evidence. For further information please refer to the *Unit Support Notes*.

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Standards

Outcomes and assessment standards

Outcome 1

The learner will:

1 Prepare for carcass construction woodworking tasks by:

- 1.1 Selecting, with guidance, woodworking tools and equipment appropriate for tasks
- 1.2 Selecting, with guidance, materials appropriate for tasks
- 1.3 Confirming that woodworking tools and equipment are in good condition and safe working order before, during and after use
- 1.4 Using correct names and terminology when referring to common woodworking tools, equipment, materials and processes
- 1.5 Working in accordance with recognised procedures and safe working practices
- 1.6 Describing basic good practice in terms of sustainability for practical woodworking tasks

Outcome 2

The learner will:

2 Manufacture a range of woodwork joints used in basic carcass construction by:

- 2.1 Checking, with guidance, materials supplied against a cutting list
- 2.2 Marking out joints, with guidance, to a tolerance of +/- 2 mm
- 2.3 Manufacturing joints, with guidance, such that joint gaps do not exceed 2 mm
- 2.4 Using, with guidance, tools and equipment safely and in accordance with good practice
- 2.5 Working in accordance with recognised procedures and safe working practices
- 2.6 Carrying out good practice in terms of sustainability and recycling

Outcome 3

The learner will:

3 Manufacture a carcass construction woodwork assembly with four joints by:

- 3.1 Checking, with guidance, materials supplied against a cutting list and working drawings
- 3.3 Marking out the assembly, with guidance, in accordance with working drawings and to a tolerance of +/- 2 mm
- 3.4 Manufacturing the assembly, with guidance, such that joint gaps do not exceed 2 mm and overall sizes are within a tolerance of +/- 5 mm
- 3.5 Using, with guidance, tools and equipment safely and in accordance with good practice
- 3.6 Working in accordance with recognised procedures and safe working practices
- 3.7 Carrying out good practice in terms of sustainability and recycling

Evidence Requirements for the Unit

Assessors should use their professional judgement, subject knowledge and experience, and understanding of their learners, to determine the most appropriate ways to generate evidence and the conditions and contexts in which they are used.

In this Unit, Evidence Requirements are as follows:

Evidence may be presented for individual Outcomes or it may be gathered for the Unit as a whole through combining assessment in one single activity. If the latter approach is used, it must be clear how the evidence covers each Outcome.

For this Unit, learners will be required to provide evidence of:

- ◆ knowledge and understanding of practical woodworking tools, equipment, materials and processes
- ◆ knowledge and understanding of sustainability issues in practical woodworking
- ◆ practical skills in carcass construction
- ◆ the ability to work in accordance with recognised procedures and safe working practices

For Outcome 1, woodworking tools and equipment includes those for the following functions:

- ◆ marking out
- ◆ bench work
- ◆ cramping

For Outcome 1, woodworking materials include:

- ◆ a variety of common softwoods and hardwoods, as available
- ◆ a variety of manufactured boards, as available and applicable
- ◆ adhesives and sundry fixings

For Outcome 2, learners must produce a range of three basic joint types from the following list:

- ◆ butt joints
- ◆ corner rebates
- ◆ housing joints
- ◆ dowel joints

Learners must also use nails, screws, fixings and adhesives as required and as appropriate.

For Outcome 3, learners must produce a carcass construction assembly with four joints, using one or more of the basic joint types from the above list, but excluding butt joints.

The tolerances given in the assessment standards for carcass construction joints and assemblies are indicative of the typical standard expected for Practical Woodworking (National 4) Units. Tolerances for assemblies in this context are dependent on the size and scale of the assemblies selected. It is assumed that assemblies in this Unit are readily portable and that the tolerances given are suitable for such work and at this level.

Learners at National 4 level are expected to require a reasonable level of guidance and support throughout practical activities.

Exemplification of assessment will be provided in the *National Assessment Resource*. Advice and guidance on possible approaches to assessment is provided in the *Unit Support Notes*.

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Development of skills for learning, skills for life and skills for work

It is expected that learners will develop broad, generic skills through this Unit. The skills that learners will be expected to improve on and develop through the Unit are based on SQA's *Skills Framework: Skills for Learning, Skills for Life and Skills for Work* and drawn from the main skills areas listed below. These must be built into the Unit where there are appropriate opportunities.

1 Literacy

1.3 Listening and talking

2 Numeracy

2.2 Money, time and measurement

4 Employability, enterprise and citizenship

4.3 Working with others

5 Thinking skills

5.1 Remembering

5.2 Understanding

5.5 Creating

Amplification of these is given in SQA's *Skills Framework: Skills for Learning, Skills for Life and Skills for Work*. The level of these skills should be at the same SCQF level of the Unit and be consistent with the SCQF level descriptor. Further information on building in skills for learning, skills for life and skills for work is given in the *Unit Support Notes*.

Administrative information



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Superclass: to be advised

History of changes

Version	Description of change	Authorised by	Date

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