



National Unit specification: general information

Unit title: Carpentry and Joinery: Install Domestic Fitments
(SCQF level 6)

Unit code: H0RE 12

Superclass: TG

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Summary

This Unit is suitable for candidates working towards a Modern Apprenticeship in Carpentry and Joinery and will develop the candidate's knowledge and craft skills in the installation of domestic fitments. Included within the Unit are creating apertures to accept appliances and installation of accessories. It is designed to enable candidates to develop their knowledge and understanding in Carpentry and Joinery terminology, techniques, practices and understanding information detailed within working drawings.

Outcomes

- 1 Demonstrate knowledge and understanding of the procedures involved in the layout and installation of base and wall units.
- 2 Install domestic floor standing and wall mounted units.
- 3 Fit and secure finished tops to base units.
- 4 Fit accessories to floor standing and wall mounted units.

Recommended entry

While entry is at the discretion of the centre, candidates undertaking the Professional Development Award in Carpentry and Joinery at SCQF level 6 must meet the requirements of the Modern Apprentices which include being employed in the relevant craft industry.

General information (cont)

Unit title: Carpentry and Joinery: Install Domestic Fitments
(SCQF level 6)

Credit points and level

1 National Unit credit at SCQF level 6: (6 SCQF credit points at SCQF level 6*)

**SCQF credit points are used to allocate credit to qualifications in the Scottish Credit and Qualifications Framework (SCQF). Each qualification in the Framework is allocated a number of SCQF credit points at an SCQF level. There are 12 SCQF levels, ranging from Access 1 to Doctorates.*

Core Skills

Achievement of this Unit gives automatic certification of the following:

Complete Core Skill None

Core Skill component Critical Thinking @ SCQF level 4

There are also opportunities to develop aspects of Core Skills which are highlighted in the Support Notes of this Unit Specification.

National Unit specification: statement of standards

Unit title: Carpentry and Joinery: Install Domestic Fitments
(SCQF level 6)

Acceptable performance in this Unit will be the satisfactory achievement of the standards set out in this part of the Unit specification. All sections of the statement of standards are mandatory and cannot be altered without reference to SQA.

Outcome 1

Demonstrate knowledge and understanding of the procedures involved in the layout and installation of base and wall Units.

Performance Criteria

- (a) Explain clearly the order of installation, positioning, and alignment of a series of base units to a given specification.
- (b) Explain methods of installing and levelling base units to uneven surfaces.
- (c) Explain methods of securing units both to the adjoining Unit and to the adjacent wall/partition.
- (d) Select fixings appropriate to the type of unit and the wall the unit is being secured to.
- (e) Comply with current Health and Safety and sustainability requirements during all work methods and activities.

Outcome 2

Install domestic floor standing and wall mounted units.

Performance Criteria

- (a) Position, level and secure floor standing and wall mounted units to a given working instruction.
- (b) Fit and secure finished tops to floor mounted fitted base units
- (c) Comply with current health and safety and sustainability during all work method and activities.

Outcome 3

Fit and secure finished tops to base units.

Performance Criteria

- (a) Accurately mark out and cut an aperture for an inset appliance.
- (b) Fit and secure finished tops accurately.
- (c) Comply with current health and safety and sustainability during all work method and activities.

National Unit specification: statement of standards (cont)

Unit title: Carpentry and Joinery: Install Domestic Fitments
(SCQF level 6)

Outcome 4

Fit accessories to floor standing and wall mounted units.

Performance Criteria

- (a) Scribe and secure kick boards.
- (b) Scribe and secure decorative end panels.
- (c) Cut and fit lighting pelmet/cornice.
- (d) Comply with current health and safety and sustainability during all work method and activities

Evidence Requirements for this Unit

These Evidence Requirements will be met by the completion of the Carpentry and Joinery Training and Assessment Programme (TAP).

Evidence is required to demonstrate that the candidate has achieved this Unit to the standard specified in all the Outcomes and Performance Criteria. All working practices must be in line with relevant and current Health and Safety legislation and regulations. A Risk Assessment and Method Statement must be completed prior to any practical activities taking place.

Written and/or oral evidence is required for Outcome 1 to show that the candidate can detail the layout, installation and securing of a number of domestic fitments within the room area on a given specification. Evidence for this Outcome will take the form of question papers and will be conducted under controlled, closed-book supervised conditions.

Performance evidence is required for Outcome 2, 3 and 4 which demonstrates the candidate's skills to install and secure wall and base cabinets in the appropriate space incorporated within a corner style kitchen. (minimum two wall and two base units). All individual units to be level and secure to the adjacent wall and joined securely to the adjoining unit. Worktop joints must be to within given tolerances incorporating a 'Mason's mitre' at corner detail correctly, joined with appropriate connectors, scribed to adjoining walls and secured to base unit. Apertures must be cut to size within given tolerances. Lighting pelmet/cornice must be mitred, glued and secured to cabinets. Kick panels and decorative end panels scribed within given tolerances. Candidates should work in pairs for Outcomes 2, 3 and 4.

National Unit specification: statement of standards (cont)

Unit title: Carpentry and Joinery: Install Domestic Fitments
(SCQF level 6)

Detail	Standard
Establish datum height for top of base Units.	Preferred height 900 mm, or to centres discretion +/- 2 mm.
Corner Unit fitted correct distance from adjacent wall. Level left to right and front to back.	+/- 2 mm.
All other Unit level in both directions.	+/- 2 mm.
Unit secured back to wall and scribed with no gaps exceeding tolerance.	2 mm.
Worktops mitred, clamped/ secured scribed to walls.	Worktop joint 0.5 mm, scribe to wall within 2-3 mm
Wall Units levelled 640 mm above base Unit datum.	+/- 2 mm.
Wall Units secured to wall levelled left to right and front to back no gap out with tolerances.	+/- 2 mm.
Cornice/ light pelmet secured to wall Unit and no gap to mitre exceeding tolerance.	Mitre tolerance 0.5 mm.
Kick boards and end panels secured and scribed within tolerances.	+/- 2 mm.
Risk assessment	
Safety boots	Worn at all times.
Hard hat	Worn at all times.
High visibility vest	Worn at all times.
Safety glasses	Worn at all times.
Ear defenders/Plugs	Worn at all times.

Method statement	
Working area	Keep clear at all times
Materials	Stacked safely at all times.
Tools	Used appropriately for task and stored properly after use.
Sustainability	
Waste	Kept to a minimum, re cut worktops as appropriate.
Recycling	Recycle materials as much as is practical.
Waste disposal	Dispose of all waste appropriately.

National Unit specification: support notes

Unit title: Carpentry and Joinery: Install Domestic Fitments
(SCQF level 6)

This part of the Unit specification is offered as guidance. The support notes are not mandatory.

While the exact time allocated to this Unit is at the discretion of the centre, the notional design length is 40 hours.

Guidance on the content and context for this Unit

This Unit has been developed as a mandatory Unit in the Professional Development Award (PDA) in Carpentry and Joinery at SCQF level 6, which is a mandatory component of the Modern Apprenticeship in Carpentry and Joinery.

The Unit deals with the theory and practice associated with domestic fitment installation. It is further enhanced by other PDA Units dealing with Carpentry and Joinery. It is recommended that this Unit be delivered at the outset of a structured programme of training and orientated to the context of the candidate's work and area of responsibility.

The successful completion of this Unit will provide candidates with the required underpinning knowledge and skills relating to terminology, components, component functions and design and installation of a domestic style kitchen. Candidates should be made aware of health and safety requirements and be able to understand their own roles and responsibilities.

Outcome 1

The candidate should be introduced to a range of kitchen unit styles and their suitability for specific use. Design considerations such as hinged doors, sliding doors, fixed shelving; adjustable shelving and storage generally should be explored along with the associated range of proprietary fixings and fittings. Detail clearly the procedure for installing domestic fitments, methods of levelling and securing units as appropriate in the designated space detailed on the floor plan.

Outcome 2

The candidate should be supplied with kitchen drawings detailing layout of all base and wall Units along with location of services and white goods. A detail list of unit dimensions and component parts should be available. Alternative methods of securing wall/ base Units and literature should be available to candidates.

Outcome 3

The candidate should be supplied with kitchen drawings and a specification for the installation of an inset sink and an inset cooker hob. All gas and electrical regulations must be complied with. Details of fitting lighting pelmet/ cornice should be supplied to the candidate. All materials should be supplied for the candidate to use both hand and power tools. There may be opportunity to integrate this Unit with the *Carpentry and Joinery: woodworking Power Tool Skills* Units at SCQF level 6.

National Unit specification: support notes (cont)

Unit title: Carpentry and Joinery: Install Domestic Fitments
(SCQF level 6)

Outcome 4

The candidate should be familiar with methods of scribing kick plates, cutting recesses for light fitments and kick panel heaters. Guidance on the scribing and securing of decorative end panels will be essential prior to commencing activities.

All activity should comply with current health and safety and building regulations. Health and Safety and Sustainability are integral and key to the Construction Industry therefore throughout the Unit emphasis will be placed where appropriate on the application of Health and Safety and Sustainability.

Guidance on learning and teaching approaches for this Unit

The candidate should be given the opportunity to further develop their skills through classroom teaching with visual aids, electronic presentations, CAD (computer aided drawing) DVDs, books, classroom exercises and discussion with candidates about the various materials and designs of domestic kitchens. The function of each component should be thoroughly demonstrated and discussed, as should the fitting methods and installation process of domestic fitments.

Outcome 1

Extensive use of manufacturer's literature should be encouraged, with further use of visual aids, electronic presentations and manufacturer's websites. Kitchen plans and manufacturers catalogues.

Outcome 2

Candidates would benefit from visual aids, floor plans, Unit installation specification supplies by manufacture. Access to current Building control web site would be beneficial to enhance knowledge and understanding of kitchen design and installation. Knowledge from power tools Unit and use of routers and jigs will enhance understanding of Unit.

Outcome 3 and 4

These are further practical workshop Outcomes, referring to supplier literature will detail installation procedures and fixing methods for each individual product used. Cornice/ light pelmet can be prepared as part of the woodworking machines designed with a securing method as part of mould. Kick panels and decor end panels can be cut and machined by students as part of woodworking machines Unit.

National Unit specification: support notes (cont)

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(SCQF level 6)

Where appropriate, opportunities should be taken throughout delivery of this Unit to meet the requirements of the generic Units of the Training and Assessment Programme including:

- ◆ *Conform to Productive Working Practices*
- ◆ *Conform to General Workplace Health, Safety and Welfare*
- ◆ *Move, Handle and Store Resources*
- ◆ *Confirm Work Activities and Resources for the Work*
- ◆ *Develop and Maintain Good Working Relationships*
- ◆ *Confirm the Occupational Method of Work*

Guidance on approaches to assessment for this Unit

The Carpentry and Joinery Training and Assessment Programme (TAP) provide detailed assessment material for this Unit. It is advised to use the TAP which has been developed centrally by SQA. Any other instruments of assessment used must be comparable to the TAP and have been through prior verification. It is expected that candidates will be given as much practise as possible, prior to being set assessment tasks.

A suitable method of assessing the underpinning knowledge and understanding in Outcome 1 would be through a series of written response answers.

A series of practical exercises will give the appropriate opportunity to assess Outcome 2, 3 and 4. Candidates should be observed and assessors should use an observation checklist that has the standards and tolerances for the construction of the fitment.

Opportunities for the use of e-assessment

E-assessment may be appropriate for some assessments in this Unit. By e-assessment we mean assessment which is supported by Information and Communication Technology (ICT), such as e-testing or the use of e-portfolios or social software. Centres which wish to use e-assessment must ensure that the national standard is applied to all candidate evidence and that conditions of assessment as specified in the Evidence Requirements are met, regardless of the mode of gathering evidence. Further advice is available in *SQA Guidelines on Online Assessment for Further Education (AA1641, March 2003)*, *SQA Guidelines on e-assessment for Schools (BD2625, June 2005)*.

National Unit specification: support notes (cont)

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(SCQF level 6)

Opportunities for developing Core Skills

There are opportunities to develop the Core Skill of *Problem Solving* as candidates undertake this Unit. Candidates will need to take account of a range of factors in order to work efficiently and safely, such as the choice of tools, appropriate materials, safety issues, safety equipment and sustainability. Individual discussions with assessors and the use of role play will enhance the evaluation of efficient working practices.

There are opportunities for candidates to develop the Core Skill of *Working with Others* at SCQF level 4. Candidates can agree responsibilities and provide support and information to each other.

Numeracy skills at SCQF level 4 could be developed through the interpretation of information from three dimensional working drawings and the practical use of calculation and measurement for the cutting list in Outcome 2.

This Unit has the Critical Thinking component of Problem Solving embedded in it. This means that when candidates achieve the Unit, their Core Skills profile will also be updated to show they have achieved Critical Thinking at SCQF level 4.

Disabled candidates and/or those with additional support needs

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering whether any reasonable adjustments may be required. Further advice can be found on our website www.sqa.org.uk/assessmentarrangements

History of changes to Unit

Version	Description of change	Date

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