



National Unit specification

General information

Unit title: Solid and Bench Plasterwork Skills: An Introduction
(SCQF level 4)

Unit code: DD1R 10

Superclass: TG

Publication date: April 2016

Source: Scottish Qualifications Authority

Version: 02

Unit purpose

This Unit will be suitable for learners who have limited or no knowledge of craft practices in plasterwork. The Outcomes require the learner to use and care for a basic range of tools, materials and equipment whilst undertaking skilled tasks associated with solid and bench plasterwork. The attainment of these skills is an essential requirement for progressing to higher level skills within this area. Learners who achieve this Unit should feel confident in progressing to Units based solely on plasterwork when the range and level of work will be wider and more advanced.

Outcomes

On successful completion of the Unit the learner will be able to:

- 1 Manage the use of hand tools, materials and equipment.
- 2 Carry out tasks involving solid plasterwork skills.
- 3 Carry out tasks involving plasterwork bench skills.

Credit points and level

0.5 National Unit credit at SCQF level 4: (3 SCQF credit points at SCQF level 4)

Recommended entry to the Unit

Access to this Unit is at the discretion of the centre. It would be beneficial if the learner had an aptitude for craft skills and had gained some prior practical experience.

National Unit specification: General information (cont)

Unit title: Solid and Bench Plasterwork Skills: An Introduction
(SCQF level 4)

Core Skills

Opportunities to develop aspects of Core Skills are highlighted in the Support Notes for this Unit specification.

There is no automatic certification of Core Skills or Core Skill components in this Unit.

Context for delivery

If this Unit is delivered as part of a Group Award, it is recommended that it should be taught and assessed within the subject area of the Group Award to which it contributes.

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.

Further advice can be found on our website www.sqa.org.uk/assessmentarrangements.

National Unit specification: Statement of standards

Unit title: Solid and Bench Plasterwork Skills: An Introduction
(SCQF level 4)

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

Manage the use of hand tools, materials and equipment.

Performance Criteria

- (a) Select appropriate tools for the work being undertaken.
- (b) Handle and transport tools, materials and equipment correctly.
- (c) The use and maintenance of tools and equipment is correct.
- (d) Store tools, materials and equipment correctly after use.

Outcome 2

Carry out tasks involving solid plasterwork skills.

Performance Criteria

- (a) Prepare and treat a given background area.
- (b) Materials are correctly mixed according to the specification.
- (c) The application of the straightening coat is in accordance with the specification.
- (d) Finishing coat applied to straightened area as in specification.

Outcome 3

Carry out tasks involving plasterwork bench skills.

Performance Criteria

- (a) Prepare bench for running in accordance with the specification.
- (b) Materials are correctly mixed according to specification.
- (c) The run moulding is produced to given shape and size as in the specification.
- (d) Moulding is removed from bench without damage.
- (e) Mitres and cuts are in accordance with the specification.

National Unit specification: Statement of standards (cont)

Unit title: Solid and Bench Plasterwork Skills: An Introduction
(SCQF level 4)

Evidence Requirements for this Unit

Evidence is required to demonstrate that learners have achieved all Outcomes and Performance Criteria.

Learners must adhere to relevant Health and Safety regulations and legislation relating both to working practices within the construction environment, as well as those specific to any practical task they are requested to carry out (such as emphasising the importance of selecting and using the correct PPE at all times).

Outcome 1

Evidence of actual performance is needed to show the learner can, follow instructions, select tools and handle, transport, maintain, use and store tools, materials and equipment in the work area in compliance with current safety regulations.

Evidence of the use and care of tools, materials and equipment and a basic awareness of their structure is needed to test underpinning knowledge and understanding and will be gained in a holistic assessment covering the Unit.

Outcome 2

Evidence of actual performance is needed to show the learner can, following instructions, prepare a flat walled background area, mix lightweight plastering materials, set out and apply both straightening and finishing coats of lightweight plaster to a minimum area of 1sq m, involving plumbing, straightening, face flatness and surface finish.

Evidence of basic practicable methodology on mixing materials, background preparations together the application of straightening and finishing in lightweight plasters is needed to test underpinning knowledge and understanding and will be gained in a holistic assessment covering the Unit.

Outcome 2 —Specification

Checks made for:

- ◆ Plumb
- ◆ Flatness
- ◆ Key
- ◆ Suction
- ◆ Appropriate action taken to ensure sufficient key and control of suction
- ◆ Plaster gauged/mixed free from lumps and dry materials
- ◆ Screeds/timber rods positioned correctly — within 20 mm
- ◆ Screeds/timber rods bedded correctly to a thickness of 8 mm — within 6 mm
- ◆ Straightening applied between screeds/rods, flat and straight — within 6 mm
- ◆ Straightening coat evenly keyed
- ◆ Finishing coat applied to an even thickness — within 3 mm
- ◆ Surface trowelled smooth and generally free from trowel marks and blemishes

National Unit specification: Statement of standards (cont)

Unit title: Solid and Bench Plasterwork Skills: An Introduction
(SCQF level 4)

Outcome 3

Evidence of actual performance is needed to show the learner can, following instructions and with a supplied running mould, prepare a bench area for running, mix fine casting plaster, run a short length of panel moulding (1 metre), remove moulding from bench and cut to form a mitred intersection with squared ends.

Evidence of basic practicable methodology on plasterwork bench skills is needed to test underpinning knowledge and understanding and will be gained in a holistic assessment covering the Unit.

Outcome 3 — Specification

- ◆ Surface of bench evenly coated with release agent
- ◆ Nail/pin fixed to bench in path of mould run
- ◆ Scrim cut to size — within 20 mm
- ◆ Plaster gauged/mixed free from lumps and dry materials
- ◆ Scrim placed in most suitable supportive position
- ◆ Moulding fully formed to profile shape free from air pockets and with minimal blemishes
- ◆ Moulding removed without damage
- ◆ Mitre intersection cut — within 3 mm
- ◆ Squared ends cut — within 3 mm



National Unit Support Notes

Unit title: Solid and Bench Plasterwork Skills: An Introduction
(SCQF level 4)

Unit Support Notes are offered as guidance and are not mandatory.

While the exact time allocated to this Unit is at the discretion of the centre, the notional design length is 20 hours.

Guidance on the content and context for this Unit

This Unit is designed to introduce the learner to skills required by craft persons working in the construction industry as plasterers. The Unit will focus on basic skills and associated tasks involved in the application of two coat lightweight plaster to a plumb, straight, flat and uniform smooth finish together with the basic skills involved with the production of a short length of panel moulding and the cutting of one mitre intersection. It is envisaged that many learners will have little or no experience of working with the range of tools, materials and equipment. Underpinning the practical skills is the need to ensure the learner appreciates the reasons for carrying out the tasks in the manner directed and the reasons for using specific tools, materials, equipment and personal protective equipment. Whilst it is imperative that all activities are carried out in compliance with relevant health and safety regulations it is intended that only a basic understanding is summatively assessed.

Corresponding to Outcomes 1 to 3:

Outcome 1

This Outcome requires the learner to select tools, and to handle, transport, use, maintain and store tools, materials and equipment. It should inform the learner on the importance of working in an organised and systematic manner while giving due consideration to others. The maintenance of a clean and tidy work area including the positioning of tools, materials and equipment before, during and after use is paramount in complying with relevant health and safety regulations. Tools are likely to include hawk, trowel, gauger, spirit level, scrub/splash brush, small tool, saw, square.. Materials are likely to be lightweight straightening and finishing plasters, fine casting plaster reinforcement materials (scrim/fiba tape). Equipment to include mixing drums/buckets/bath, mixing paddle, board and stance, straightedge, mitre box.

National Unit Support Notes (cont)

Unit title: Solid and Bench Plasterwork Skills: An Introduction
(SCQF level 4)

Outcome 2

This Outcome entails tasks in solid plasterwork skills and is mainly related to the application of two coat light weight plasters to a flat walled brick/block background. Prior preparations of both the background area and mixing of materials are of vital importance to the success of the operation and the use of dots and screeds or fully bedded timber rods together with a spirit level will increase the learner's awareness of techniques common in this area of work.

Outcome 3

This Outcome should enable the learner to develop practical skills in using hand tools during the bench work production of a short length of panel moulding. Prior preparations of both the bench area and mixing of materials are of vital importance to the success of the operation. Running techniques to include the importance of the running rule/rod together with back-stripping and methods incorporating reinforcement into the run should be emphasised. Cutting of mitre and squared ends of panel mould may include measured cuts or the use of a mitre box.

Guidance on approaches to delivery of this Unit

Recognised working practices should be fully explained, demonstrated and practiced including manual handling techniques, posture when using tools and methods of working in a clean and tidy manner. Outcome 1 should be integrated with Outcome 2 and 3. Where it is possible to do so, underpinning knowledge should be integrated with practical activities in the workshop or project area.

Formative assessment should inform the learner of his/her progress when emphasis should be placed on working accurately.

Guidance on approaches to assessment of this Unit

Centres may use the method of assessment which they consider to be most appropriate but are encouraged to use the Training Assessment Programme (TAP) developed centrally by SQA. It is expected that learners will have to demonstrate current knowledge and understanding of safe working practice and risk assessment methods, etc prior to being set the assessment tasks.

Knowledge and Understanding of the processes involved in *Solid and Bench Plasterwork Skills: An Introduction (SCQF level 4)* should be assessed before any practical assignments are carried out by learners. This will include assessment of a learner's ability to prepare the work area for laying modular pavement.

Practical assignments should be carried out under supervised conditions and recorded in an assessor observation/operational checklist. Assessments should confirm that a learner has the ability to safely lay modular pavement using designated machinery or equipment correctly and safely, whilst adhering to current statutory Health and Safety regulations and legislation.

National Unit Support Notes (cont)

Unit title: Solid and Bench Plasterwork Skills: An Introduction
(SCQF level 4)

Adherence to current statutory working regulations and Health and Safety procedures will be observed during the practical exercise carried out by the learner towards all Outcomes.

Detailed assessment material for this Unit will be found in the relevant Training and Assessment Programme (TAP). Centres may use the instruments of assessment which they consider to be most appropriate but are 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 prior verified.

Opportunities for 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 learner evidence and that conditions of assessment as specified in the Evidence Requirements are met, regardless of the mode of gathering evidence. The most up-to-date guidance on the use of e-assessment to support SQA's qualifications is available at www.sqa.org.uk/e-assessment.

Opportunities for developing Core and other essential skills

The Core Skill of *Problem Solving* at SCQF level 4 could be developed as learners undertake this Unit. Learners 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.

Numeracy at SCQF level 4 could be developed through measuring and costing exercises.

There will be opportunities for learners to develop the Core Skill of *Communication* at SCQF level 4. Learners will have the opportunity to develop Written and/or Oral Communication skills for the knowledge part of the assessment. As learners complete practical tasks, they should be expected to communicate with others using the correct terminology, tone and style suited to the workplace.

History of changes to Unit

Version	Description of change	Date
02	Clarification of Standards and updated to new Unit Specification Standard.	29/04/16

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General information for learners

Unit title: Solid and Bench Plasterwork Skills: An Introduction (SCQF level 4)

This section will help you decide whether this is the Unit for you by explaining what the Unit is about, what you should know or be able to do before you start, what you will need to do during the Unit and opportunities for further learning and employment.

This Unit is designed to introduce you to skills required by craft persons working in the construction industry as plasterers. The Unit will focus on basic skills and associated tasks involved in the application of plaster. Little or no experience is required of working with the range of tools, materials and equipment.

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. Safety working practices will be looked at in accordance with current safety codes of practice and regulations.

There will be a series of training exercises followed by some practical task based assessment and multi choice knowledge assessment. Completion of the Unit will provide you with the basic skills necessary to enable you to progress to more complex aspects of Plasterwork which in turn will further develop your skills and knowledge.

The Core Skill of *Problem Solving* at SCQF level 4 could be developed as you undertake this Unit. You 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.

Numeracy at SCQF level 4 could be developed through measuring and costing exercises.

There will be opportunities for you to develop the Core Skill of *Communication* at SCQF level 4 as you will have the opportunity to develop Written and/or Oral Communication skills.