



National Unit specification: general information

Unit title: Jewellery: Marking Out (SCQF level 5)

Unit code: H09S 11

Superclass: JH

Publication date: January 2012

Source: Scottish Qualifications Authority

Version: 02

Summary

This is an optional Unit in the National Certificate in Jewellery at SCQF level 6. It is also available as a free standing Unit.

This Unit is designed to enable candidates to develop the skills and techniques which will allow them to identify and use the different types of equipment appropriate to transfer patterns to materials within the context of the manufacture of jewellery and/or silverwares.

This Unit is suitable for candidates who have are undertaking this subject for the first time. It is also suitable for those working in industry who have no formal qualifications. The content of this Unit can be integrated with other jewellery Units.

Outcomes

- 1 Prepare for marking out according to a brief.
- 2 Use marking out equipment accurately on metal surfaces.
- 3 Transfer patterns from paper to metal using a variety of techniques.

Recommended entry

Entry is at the discretion of the centre. Candidates doing this Unit do not need any prior knowledge or experience of metalwork or the manufacture of jewellery or silverwares. However, good hand-skills will be an advantage.

General information (cont)

Unit title: Jewellery: Marking Out (SCQF level 5)

Credit points and level

1 credit at SCQF level 5 (6 SCQF credit points at SCQF level 5*)

**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 Core Skills component:

- ◆ Critical Thinking at 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: Jewellery: Marking Out (SCQF level 5)

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

Prepare for marking out according to a brief.

Performance Criteria

- (a) Plans are interpreted and preparations are made for marking out according to a brief.
- (b) Marking out technique chosen is appropriate to the brief.
- (c) Tools and equipment selected are appropriate to the brief.

Outcome 2

Use marking out equipment accurately on metal surfaces.

Performance Criteria

- (a) Measuring equipment is used accurately.
- (b) Scribers are used accurately.
- (c) Geometric marking out tools are used accurately.

Outcome 3

Transfer patterns from paper to metal using a variety of techniques.

Performance Criteria

- (a) Geometric patterns are transferred from paper plans to metal using marking out tools.
- (b) Freehand patterns are transferred from paper to metal using physical transfer techniques.
- (c) Patterns are transferred from paper to metal using chemical transfer techniques.

National Unit specification: statement of standards (cont)

Unit title: Jewellery: Marking Out (SCQF level 5)

Evidence Requirements for this Unit

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

The candidate must produce three different samples of marking out, each evidencing accurate transfer of patterns which are:

- ◆ predominately straight-line
- ◆ predominately curved-line
- ◆ with internal shapes.

The patterns should be given in paper form and be suitable for transferring to metal by:

- ◆ direct scribing using marking-out tools
- ◆ talc or similar transfer process
- ◆ photocopy/acetone transfer

These samples must conform accurately to the given instruction brief which should include acceptable tolerances and timescales.

The evidence can be produced over a period of time and may be generated as appropriate to the progress of the candidate.

Centres must be satisfied that the evidence submitted is the work of individual candidates.

National Unit specification: support notes

Unit title: Jewellery: Marking Out (SCQF level 5)

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 is an optional Unit in the National Certificate in Jewellery at SCQF level 6. It is also available as a free-standing Unit. It is envisaged that this Unit be taught as part of a broader jewellery course. Candidates require no previous workshop or metalworking abilities in order to access the Unit. Health and safety issues should be covered as part of the overview of the Unit.

This level 5 Unit is a basic introduction to the fundamentals of jewellery manufacture and it could usefully be taught in conjunction with Jewellery: Piercing (SCQF level 5). The candidate could use the samples generated for this Unit as part of their work for the piercing Unit and accurate cutting of the patterns within the piercing Unit can be used as a guide to the accuracy of the pattern transfer for this Unit.

The Unit is recommended as an entry level Unit for progression to Jewellery: Advanced Piercing.

This Unit aligns to the following National Occupational Standards for Jewellery from Creative and Cultural Skills:

- J2.2 Read jewellery manufacture or silversmithing drawings
- J2.3 Mark out and measure materials for jewellery or silverware components
- J2.5 Cut and pierce jewellery or silverware components

National Unit specification: support notes (cont)

Unit title: Jewellery: Marking Out (SCQF level 5)

Guidance on learning and teaching approaches for this Unit

It is envisaged that the teaching of this Unit should be primarily practical with an emphasis on the candidates learning by practising the techniques required.

Demonstrations by tutors and one-to-one instruction and guidance would be an important part of the delivery and candidates could be encouraged to explore the techniques as part of their own personal development as designer-makers. Candidates should be shown a range of marking-out techniques — scribing, using photocopies and acetone, China white, engineers blue, etc — and the advantages and disadvantages of each discussed. It is essential that candidates understand the importance of accurate pattern transfer.

Candidates should be given the opportunity to mark out metal using both measurements and by using paper patterns.

It is envisaged that the Unit would be taught in a jewellery studio or workshop and that each candidate would have a bench equipped with a bench peg, adequate lighting and access to marking out equipment such as is appropriate to the techniques being used.

It is essential that candidates understand the importance of accurate marking out in the economic use of material and the impact this has on environmental matters.

Guidance on approaches to assessment for this Unit

The Unit should usefully be taught within the context of commercial jewellery manufacturing, with absolute tolerances and applied timescales to each of the projects. Assessed projects should reflect commercial constraints

The Unit could usefully be taught within the context of commercial jewellery manufacturing, with absolute tolerances and applied timescales to each of the projects. Assessed projects should reflect commercial constraints.

Candidates could be given specific projects to ensure uniformity or could be given self-directed project, the end products of which reflect the requirements of the Outcomes.

Suggested tolerances would be of around 0.1mm deviation from any pattern and timescales should be set realistically according to the projects given.

The Unit should be assessed after a period of tuition and the candidate should be allowed to practice the techniques before assessment.

National Unit specification: support notes (cont)

Unit title: Jewellery: Marking Out (SCQF level 5)

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)*.

Opportunities for developing Core Skills

This Unit will teach the learner how to cut metal accurately to a given pattern using a variety of workshop techniques and tools.

Candidates will:

- ◆ follow instructions for marking out components
- ◆ mark out shapes for jewellery or silverware components
- ◆ prepare components for cutting or piercing
- ◆ work in groups to practice activities
- ◆ make amendments to equipment and tools to achieve the desired results
- ◆ explain their selection of tools and equipment

As candidates are doing this Unit they will be developing aspects of the Core Skills in *Problem Solving; Working with Others; Numeracy and Communication*.

This Unit has the Problem Solving component of Critical Thinking embedded in it, so when the candidate achieves this Unit their Core Skills profile will 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
02	Core Skills Component Critical Thinking at SCQF level 4 embedded.	19/01/2012

© Scottish Qualifications Authority 2012

This publication may be reproduced in whole or in part for educational purposes provided that no profit is derived from reproduction and that, if reproduced in part, the source is acknowledged.

Additional copies of this Unit specification can be purchased from the Scottish Qualifications Authority. Please contact the Business Development and Customer Support team, telephone 0303 333 0330.