



Higher National Unit specification

General information for centres

Unit title: Jewellery: Forming Techniques

Unit code: F3XX 34

Unit purpose: This Unit will develop the skills and knowledge of forming techniques suitable for jewellery manufacture.

On completion of the Unit the candidate should be able to:

- 1 Evaluate forming techniques.
- 2 Apply forming techniques to produce metal samples.
- 3 Apply forming techniques to produce finished items.

Credit points and level: 2 HN credits at SCQF level 7: (16 SCQF credit points at SCQF level 7*)

**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.*

Recommended prior knowledge and skills: Access to this Unit is at the discretion of the centre. Candidates would benefit from having studied jewellery making at SCQF level 6 or 7. This could be evidenced by successful completion of the following NQ Unit: D0KY 12 *Jewellery Design: Doming and Forming* at SCQF level 6 Jewellery and the following HN Units: F3Y7 34 *Jewellery: Manufacturing Techniques* and F3Y3 34 *Jewellery: Design and Manufacture*, both at SCQF level 7.

Core Skills: There are opportunities to develop the Core Skills of *Problem Solving*, and *Working with Others*, and the component *Written Communication* at SCQF level 5 in this Unit, although there is no automatic certification of Core Skills or Core Skills components.

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.

Assessment: A brief could be given to candidates asking them to evaluate forming techniques, produce samples through to the production of finished items.

Higher National Unit specification: statement of standards

Unit title: Jewellery: Forming Techniques

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The sections of the Unit stating the Outcomes, Knowledge and/or Skills, and Evidence Requirements are mandatory.

Where evidence for Outcomes is assessed on a sample basis, the whole of the content listed in the Knowledge and/or Skills section must be taught and available for assessment. Candidates should not know in advance the items on which they will be assessed and different items should be sampled on each assessment occasion.

Outcome 1

Evaluate forming techniques

Knowledge and/or Skills

- ◆ Forming techniques
- ◆ Metals
- ◆ Tools and equipment
- ◆ Contexts

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can evaluate at least four forming techniques. As part of the evaluation candidates must:

- ◆ describe each forming technique and the description must include the metals, tools and equipment required to perform each forming technique
- ◆ describe the context in which each forming technique was developed
- ◆ evaluate the suitability of each forming technique for different uses

This Outcome is integrated with Outcome 2 in that candidates must use forming techniques covered in Outcome 1 to produce metal samples in Outcome 2.

Assessment Guidelines

Candidates could be asked to produce a work/sketchbook, which provides details of the information gathered as part of their evaluation. The work/sketchbook could be in the form of text and illustrations or alternative formats could be used such as web or video.

The assessment of this Outcome could be combined with Outcomes 2 and 3 as part of a single assessment for this Unit in the form of a brief that asks candidates to evaluate forming techniques, and produce samples through to the production of finished items of jewellery.

Higher National Unit specification: statement of standards (cont)

Unit title: Jewellery: Forming Techniques

Outcome 2

Apply forming techniques to produce metal samples

Knowledge and/or Skills

- ◆ Metals
- ◆ Tools and equipment
- ◆ Forming techniques
- ◆ Problems and solutions
- ◆ Safe working practice

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can:

- ◆ apply a minimum of three forming techniques, evaluated in Outcome 1, to produce a minimum of six metal samples across the chosen techniques with at least one sample for each technique. Candidates must use the appropriate metals, tools and equipment when applying the forming techniques and samples should be produced to a professional standard.
- ◆ produce technical notes. The technical notes must support the production of the six samples and provide details of the forming techniques used to produce the six samples. How problems arising were dealt with and solutions must also be included.
- ◆ apply safe working practices.

This Outcome is integrated with Outcome 1 in that candidates must produce metal samples in Outcome 2 through the application of forming techniques evaluated in Outcome 1.

This Outcome is integrated with Outcome 3 in that candidates must use at least one forming technique covered in Outcome 2 to produce a minimum of two finished items in Outcome 3 through the application of forming techniques evaluated in Outcome 1.

Assessment Guidelines

Samples could be mounted on boards or in suitable boxes.

Technical notes, to support the samples, could be presented in a work/sketchbook. The work/sketchbook could be in the form of text and illustrations or alternative formats could be used such as web, video or audio.

An observation checklist could be used to assess candidates' safe working practices, or they could be given a risk assessment checklist to work through.

The assessment of this Outcome could be combined with the other Outcomes as part of a single assessment for this Unit in the form of a brief that asks candidates to evaluate forming techniques, produce samples through to the production of finished items of jewellery.

Higher National Unit specification: statement of standards (cont)

Unit title: Jewellery: Forming Techniques

Outcome 3

Apply forming techniques to produce finished items

Knowledge and/or Skills

- ◆ Interpretation
- ◆ Finished items
- ◆ Problem solving skills
- ◆ Safe working practices
- ◆ Reflective practices

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can:

- ◆ interpret a brief to produce designs for a minimum of two finished items.
- ◆ select materials and equipment for the production of two finished items.
- ◆ produce a minimum of two items finished and polished appropriate to the brief and to a commercial standard, with no obvious faults, using at least one forming technique applied in Outcome 2.
- ◆ produce technical notes. The technical notes must support the production of the finished items and how any problems arising in the production of finished items were dealt with.
- ◆ apply safe working practices in the production of the finished items.
- ◆ reflect on the quality of their finished items. The reflection must include the extent to which the finished items fit the brief.

This Outcome is integrated with Outcome 2 in that candidates must produce a minimum of two finished items in Outcome 3 through the application of at least one forming technique covered in Outcome 2.

Assessment Guidelines

The finished items could be presented in presentational boxes.

Technical notes, to support the finished pieces, could be presented in a work/sketchbook. The work/sketchbook could be in the form of text and illustrations or alternative formats could be used such as web, video or audio. The reflection could be presented within the technical notes or could be in the form of a peer discussion.

An observational checklist could be used to assess candidates' safe working practices, or they could be given a risk assessment checklist to work through.

The assessment of this Outcome could be combined with the other Outcome 1 and 2 as part of a single assessment for this Unit in the form of a brief that asks candidates to evaluate forming techniques, produce samples through to the production of two finished items of jewellery.

Administrative Information

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Unit title: Jewellery: Forming Techniques
Superclass category: JH
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Higher National Unit specification: support notes

Unit title: Jewellery: Forming Techniques

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 80 hours.

Guidance on the content and context for this Unit

This Unit is suitable for those studying jewellery or working in the jewellery industry.

This Unit is designed to enable candidates to produce a body of work that will demonstrate their ability to examine various different forming techniques, their construction methods and materials, using them to influence the production of experimental samples.

This Unit will enable candidates to produce finished pieces of jewellery or small silversmithing items, which clearly show the investigation and development of the piece.

Candidates will investigate various forming techniques and explore production techniques, producing a minimum of two finished items.

It is recommended that evaluation doesn't concentrate solely on contemporary forming techniques.

Outcome 1

The candidate could be given a brief which requires them to produce a thorough investigation of forming techniques. These could include doming block and punches, fold forming, chasing and repoussé, fly pressing, anticlastic raising and forging and raising.

Candidates could be encouraged to investigate from a wide source of reference techniques such as: Internet, reference books, DVDs, magazines and publications and gallery/museum visits.

A minimum of four forming techniques should be researched by candidates as part of their evaluation.

Notes, sketches, photographs and print-outs of research could be presented in a work/sketchbook for assessment at the end of the Unit.

Outcome 2

Candidates are required to produce samples of a minimum of three forming techniques from those investigated in Outcome 1. This will allow candidates the greatest flexibility when developing their own ideas.

A minimum of six samples must be produced that show an understanding of the techniques and demonstrate exploration. Samples could be fairly complex in that they are well considered, reflect the areas explored in Outcome 1, and could take several hours to complete.

Higher National Unit specification: support notes (cont)

Unit title: Jewellery: Forming Techniques

Candidates should be encouraged to reflect on work in progress and make judgements on possible solutions and approaches. Samples should be finished to a high standard without obvious flaws and presented for assessment with detailed technical notes.

Outcome 3

Candidates are required to manufacture final items, which should incorporate at least one of the forming techniques explored and for which samples have been produced in Outcome 2. Work produced could be jewellery pieces or small silversmithing items manufactured and finished to a good commercial standard with no obvious flaws. The finished items should use appropriate construction methods and materials and be produced to a good commercial standard of finish with no obvious faults or flaws.

Candidates should show a clear understanding of the qualities of chosen materials and use these appropriately within their finished pieces. Technical notes and sketches to accompany the final piece could be presented in a work/sketchbook.

The work/sketchbook could be in the form of text and illustrations or alternative formats could be used such as web or video. The final pieces could be presented for one holistic assessment with work produced for Outcomes 1 and 2.

GUIDANCE ON THE DELIVERY AND ASSESSMENT OF THIS UNIT

Whilst this Unit may be taken as a standalone Unit it has been developed as part of the Jewellery HNC/HND and it is recommended that it should be taught and assessed within the jewellery area.

If this Unit is taught as part of the Jewellery HNC/HND opportunities may be taken to link or integrate with other aspects of the Group Award and a thematic approach adopted for both delivery and assessment.

As an introduction to the Unit, the tutor may wish to provide examples of different styles and types of jewellery featuring forming techniques and to demonstrate a range of techniques.

Evaluation could be carried out by candidates investigating and researching different materials and techniques. Candidates could then go on to produce samples and could initially produce a minimum of one sample for each of the chosen three techniques and then decide which techniques to explore more thoroughly.

It is recommended that candidates should have access to a wide variety of tools and materials with which to experiment and that they should be encouraged to source their own materials. Safe and considerate working practices and studio management should be emphasised at all times particularly when sharing facilities or equipment.

Candidates could produce all notes, sketches and research material in a work/sketchbook. The work/sketchbook could be in the form of text and illustrations or alternative formats such as web or video could be used.

Higher National Unit specification: support notes (cont)

Unit title: Jewellery: Forming Techniques

The selection of final designs should show consideration of the materials and techniques to be used in the production of the finished pieces and of the complexity of the manufacturing process involved.

It is recommended that throughout the Unit, candidates should be encouraged to critically reflect on their work and to discuss considerations that influence their creative choices with the tutor.

The tutor could draw up an observational checklist that shows candidates are working safely and considerately, or provide candidates with a risk assessment checklist that they work through. Candidates should be encouraged to critically analyse their work and this could be done in a group setting or on a one-to-one basis with the tutor.

Opportunities for developing Core Skills

There are opportunities to develop the Core Skills of *Communication*, *Problem Solving* and *Working with Others* at SCQF level 5 in this Unit, although there is no automatic certification of Core Skills or Core Skills components.

The Core Skill of *Communication* may be developed through the production of technical notes which may bring together both visual and written notes. The evaluation in Outcome 1 and the reflection in Outcome 3 if produced as a written paper may provide opportunities to develop the Written Communication component at SCQF level 5.

The Core Skill of *Problem Solving* may be developed through the practical stages in Outcome 2 where candidates are encouraged to explore and experiment with techniques, identify problems and derive solutions. In Outcome 3 the skill may also be developed as candidates work to produce finished items, and reflect on what they have achieved.

The practical nature of workshops and studio space and equipment access may mean that candidates will have to negotiate access with other candidates and work with others in the experimentation phase and the final production phase. This may provide the opportunity to develop the Core Skill of *Working with Others* at SCQF level 5.

Open learning

Although parts of this Unit could be delivered by distance learning, it would require a considerable degree of planning by the centre to ensure the sufficiency and authenticity of candidate evidence.

Candidates with disabilities and/or additional support needs

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering alternative Outcomes for Units. Further advice can be found in the SQA document *Guidance on Assessment Arrangements for Candidates with Disabilities and/or Additional Support Needs* (www.sqa.org.uk).

General information for candidates

Unit title: Jewellery: Forming Techniques

This Unit has been designed as part of the Jewellery HNC/HND but may also be undertaken as a standalone Unit for those interested in developing jewellery skills. This Unit will allow you to evaluate and explore a variety of forming techniques; produce samples using various techniques; and make final pieces of jewellery or small silversmithing items incorporating forming techniques.

Techniques explored could include fold forming, press forming, anticlastic raising, doming block and punches, chasing and repousse and forging and raising.

The assessment for this Unit could be presented in the form of a brief from which you will be expected to:

- ◆ evaluate various forming techniques including the context in which these techniques have been developed.
- ◆ produce six metal samples that show thorough using at least three forming techniques.
- ◆ produce two finished items using at least one forming technique. Your final pieces could be either finished items of jewellery or silversmithing. The final pieces should use appropriate techniques, materials and tools and be finished to a good commercial standard ie with no obvious flaws. You will also be expected to reflect on the quality of your own work.

You will be required to follow correct health and safety procedures at all times and will be assessed on this aspect.

This Unit may provide you with the opportunities to develop the Core Skills of *Problem Solving* (Planning and Organising, Critical Thinking Evaluation), the Oral/Written Communication components of *Communication*, and *Working with Others*, all at SCQF level 5.