



## Higher National Unit specification

### General information for centres

**Unit title:** Jewellery: Hand Engraving Techniques

**Unit code:** F3Y4 35

**Unit purpose:** This Unit enables candidates to develop the skills and ability to hand engrave metal surfaces.

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

- 1 Transfer designs onto metal surfaces.
- 2 Perform hand engraving techniques.

**Credit points and level:** 1 HN credit at SCQF level 8: (8 SCQF credit points at SCQF level 8\*)

*\*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:** While entry to this Unit is at the discretion of the centre, candidates would benefit from having undertaken the NQ Unit D0KX 11 *Jewellery Design: Texturing and Surface Decoration*.

**Core Skills:** There are opportunities to develop the Core Skills of *Problem Solving* at SCQF level 6, and *Working with Others* 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:** Outcomes 1 and 2 will both be assessed by product evidence.

## **Higher National Unit specification: statement of standards**

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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**

Transfer designs onto metal surfaces

#### **Knowledge and/or Skills**

- ◆ Design layout
- ◆ Calligraphy
- ◆ Engraving design transfer techniques

#### **Evidence Requirements**

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

- ◆ transfer two-dimensional designs for a single line engraving onto a metal surface using engraving design transfer techniques. The scribed metal must be a good representation of the original design and must be clear enough for subsequent engraving.
- ◆ use rules of calligraphy to scribe lettering directly to a metal surface. Lettering must be suitable and clear for subsequent engraving. Lettering must be in proportion to its intended purpose.

#### **Assessment Guidelines**

Evidence could be mounted and presented as part of a portfolio.

## **Higher National Unit specification: statement of standards (cont)**

**Unit title:** Jewellery: Hand Engraving Techniques

### **Outcome 2**

Perform hand engraving techniques

#### **Knowledge and/or Skills**

- ◆ Engraving techniques
- ◆ Square graver
- ◆ Flat graver
- ◆ Onglette graver
- ◆ Measuring tools
- ◆ Sharpening techniques

#### **Evidence Requirements**

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

- ◆ select appropriate measuring tools for use in the engraving process
- ◆ produce a single outline engraving using the appropriate technique and graver
- ◆ produce an engraving which incorporates shading
- ◆ engrave lettering on a metal surface using appropriate technique and graver
- ◆ engrave lettering which incorporates shading
- ◆ maintain gravers by continual sharpening using appropriate sharpening techniques

At some point in the production of the engravings, candidates must use the following gravers: square, flat, and Onglette.

#### **Assessment Guidelines**

The assessment is likely to take the form of a series of practical exercises during the course of the Unit, rather than a single event.

Candidates can produce separate engravings for different Evidence Requirements or these could be combined into one or more pieces.

## Administrative Information

**Unit code:** F3Y4 35

**Unit title:** Jewellery: Hand Engraving Techniques

**Superclass category:** JH

**Original date of publication:** August 2008

**Version:** 01

### History of changes:

Version	Description of change	Date

**Source:** SQA

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## **Higher National Unit specification: support notes**

### **Unit title: Jewellery: Hand Engraving 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 40 hours.

### **Guidance on the content and context for this Unit**

This Unit has been written in order to allow candidates to develop skills in the hand engraving of precious metals in a manner suitable for the jewellery industry.

It is anticipated that candidates will gain experience in the use of a variety of different hand engraving tools, as follows:

- ◆ Standard Square Graver: for simple outlines and shading
- ◆ Flat Graver: for textured effects and shading
- ◆ Onglette Graver: for deep engraving and enamel preparation
- ◆ Threaded Graver: for textured effects and shading

Only the first three will be formally assessed.

It is anticipated that candidates will gain experience in texturing flat surfaces as well as undertaking designs based on calligraphy and letter styles.

### **Guidance on the delivery and assessment of this Unit**

It is anticipated that the lecturer will provide a range of short demonstrations and exercises allowing candidates to gain experience in the use of various hand engraving tools.

It is expected that candidates will learn how to sharpen and maintain their own engraving tools during the course of the Unit.

It is recommended that candidates initially undertake formative work using simple outline designs but as the Unit progresses the work would expand to experiment with shading and other texturing techniques.

The exercises undertaken in the delivery of this Unit should allow candidates to improve their engraving skills, which will then in turn allow them to better undertake further project based Units within the Group Award and specifically the Graded Unit.

## **Higher National Unit specification: support notes (cont)**

**Unit title:** Jewellery: Hand Engraving Techniques

### ***Opportunities for developing Core Skills***

There are opportunities to develop the Core Skills of *Problem Solving* at SCQF level 6 and *Working with Others* at SCQF level 5 in this Unit.

Candidates will be required to analyse and seek solutions to a range of practical issues involved in the engraving process. They will also be required to overcome problems associated with the precision aspects of engraving. If candidates are also encouraged to carry out robust reflective practice, this will provide candidates with opportunities to develop *Problem Solving* at SCQF level 6.

*Working with Others* may be developed at SCQF level 5, as candidates will have to negotiate with fellow candidates as to the use of shared resources in the workshop environment.

### **Open learning**

This Unit could be delivered by distance learning. However, it would require planning by the centre ensure the sufficiency and authenticity of candidate evidence. Completion of this Unit would also require access to specialised tools and materials.

### **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](http://www.sqa.org.uk)).

## General Information for Candidates

### **Unit title:** Jewellery: Hand Engraving Techniques

This Unit will allow you to learn the basic skills required to undertake the hand engraving process on metal objects suitable for use in the jewellery industry.

In Outcome 1 you will gain experience in basic design transfer processes as required prior to engraving. In addition you will study elements of calligraphy associated with hand engraving.

In Outcome 2 you will learn how to perform hand engraving techniques with the use of various hand engraving tools such as:

- ◆ Standard Square Graver: for simple outlines and shading
- ◆ Flat Graver: for textured effects and shading.
- ◆ Onglette Graver: for deep engraving and enamel preparation.

As the Unit proceeds you will gain experience in texturing flat surfaces as well as undertaking designs based on calligraphy and letter styles.

Tasks in the Unit may provide opportunities to develop the Core Skills of *Problem Solving* at SCQF level 6, and *Working with Others* at SCQF level 5.