



## Higher National Unit specification

### General information for centres

**Unit title:** Jewellery: Design and Manufacture

**Unit code:** F3Y3 34

**Unit purpose:** This Unit allows candidates to develop a design idea and then make a piece of jewellery from this design. Candidates will look at different inspirational sources and select one of these to develop their design.

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

- 1 Evaluate design ideas.
- 2 Produce a design for a piece of jewellery.
- 3 Manufacture a piece of jewellery.

**Credit points and level:** 1 HN credit at SCQF level 7: (8 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 the Unit is at the discretion of the centre. However, it would be beneficial if candidates had completed or was in the process of completing the HN Unit, *Jewellery: Manufacturing Techniques*.

**Core Skills:** There are opportunities to develop the Core Skill of *Problem Solving* at SCQF level 6 and the component Oral 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:** Assessment may take the form of an annotated workbook or sketchbook for Outcomes 1 and 2. Candidates must produce a piece of finished jewellery for Outcome 3.

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

**Unit title:** Jewellery: Design and Manufacture

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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 design ideas

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

- ◆ Design process
- ◆ Inspirational source
- ◆ Manufacturing technique

#### **Evidence Requirements**

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

- ◆ evaluate at least two design ideas, which are based on an inspirational source. The evaluation must show the potential to develop the idea into an actual design and then a subsequent piece of jewellery.
- ◆ select one of the two evaluated designs, explain the reasons for their choice and why they wish to develop the idea further. The design must show that they have considered the manufacturing technique needed to produce the finished piece of jewellery.

This Outcome will be integrated with Outcomes 2 and 3 in that candidates will take the chosen idea from this Outcome and develop this into a design and piece of jewellery in Outcomes 2 and 3.

#### **Assessment Guidelines**

Candidates could present their evidence in the form of a workbook or sketchbook that evaluates two designs and provides evidence to show how one idea may be developed.

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

**Unit title:** Jewellery: Design and Manufacture

### **Outcome 2**

Produce a design for a piece of jewellery

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

- ◆ Technical skills
- ◆ Proportion and form
- ◆ Materials

#### **Evidence Requirements**

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that can produce a design for a piece of jewellery, based on one of the ideas evaluated in Outcome 1.

Candidates must provide:

- ◆ evidence of design development, which shows awareness of proportion and form
- ◆ a scaled drawing of the proposed piece of jewellery with supporting technical notes, which must include a description of the technical skills required to produce the piece of jewellery and the materials that will be used

This Outcome will be integrated with Outcomes 1 and 3 in that candidates will choose one of the ideas evaluated in Outcome 1 and develop this into a design for this Outcome, and then produce a piece of jewellery from this design for Outcome 3.

#### **Assessment Guidelines**

Candidates could present their evidence in the form of a workbook or sketchbook.

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

**Unit title:** Jewellery: Design and Manufacture

### **Outcome 3**

Manufacture a piece of jewellery

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

- ◆ Manufacturing techniques
- ◆ Equipment
- ◆ Health and Safety

#### **Evidence Requirements**

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can make a piece of jewellery to the design developed in Outcome 2.

Candidates must:

- ◆ manufacture the piece of jewellery to a high commercial standard with no scratches or fire stain.
- ◆ use manufacturing techniques and equipment appropriate to the chosen design. Equipment must be used in line with health and safety requirements.

This Outcome will be integrated with Outcomes 1 and 2 in that candidates will manufacture a piece of jewellery from one of the ideas from Outcome 1 and developed into a design in Outcome 2.

#### **Assessment Guidelines**

The Unit is designed to be assessed holistically with candidates being required to evaluate two designs from which they will choose one to develop and manufacture a finished item of jewellery. The evidence for the evaluations and development of the design may be met through the production of technical notes or sketchbooks. Checklists for safe operation and management of techniques may be used.

## Administrative Information

**Unit code:** F3Y3 34

**Unit title:** Jewellery: Design and Manufacture

**Superclass category:** JH

**Original date of publication:** August 2008

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### History of changes:

Version	Description of change	Date

**Source:** SQA

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

### **Unit title: Jewellery: Design and Manufacture**

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 will be valuable in teaching design development and manufacturing skills.

#### **Outcome 1**

Inspirational sources could come from source material such as architectural structures, natural form, armour, ethnic/tribal art forms or from a specific technique such as forging.

Candidates will need to have knowledge of the manufacturing techniques that underpin their chosen design, eg forming 3D shapes in metal; forging; soldering and other joining techniques like riveting; texturing and surface finishes.

#### **Outcome 2**

Group discussion and access to contemporary and historical jewellery design in the form of books photographs, websites may help in the development of an awareness of proportion and form.

#### **Outcome 3**

Candidates should be shown the manufacturing/construction skills required of their specific design if not already known or research it themselves prior to commencing final piece.

The manufacturing of this piece of jewellery should be kept simple and the emphasis should be on successful completion and good finishing techniques. For this reason, it is recommended that stone setting should not be used in this Unit.

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

The Unit should be delivered in a well equipped workshop area with tools and equipment available to candidates. Initially, it could be delivered to a group with relevant demonstrations by the tutor to assist each Outcome. As the Unit progresses, candidates could work individually or, if experiencing problems, in consultation with a tutor on a one to one basis. Further group sessions may be necessary, as problems unfold within the workshop.

Group discussions are recommended at various stages to demonstrate good practice and share ideas.

A final one to one tutorial may be necessary at the end of the Unit to discuss assessment.

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

### **Unit title:** Jewellery: Design and Manufacture

Assessment for this Unit will be based on the successful completion of a well designed, well finished piece of jewellery and accompanying sketch and workbooks. Observation checklists, which record candidate achievement for each Outcome, may also be used.

#### ***Opportunities to develop Core Skills***

The delivery and assessment of this Unit offers opportunities for candidates to develop *Problem Solving* at SCQF level 6. Candidates are required to identify and evaluate the variables a design problem presents and then produce a design from their evaluation. During the design development they will have to develop a strategy of how to execute their final design, ie the techniques to use, in what order, what tools and equipment are necessary, and where to gather or buy materials. They have to apply and modify a known process to their individual design and deal with unknown circumstances as they arise. Candidates will be required to evaluate their ideas and designs before manufacturing a piece of jewellery. This will involve comparing alternative designs and suggesting modifications.

If group discussion is used in the delivery of this Unit, candidates may have the opportunity to develop the Oral Communication component of the Core Skill of *Communication* at SCQF level 5.

### **Open learning**

Due to the practical nature of this Unit, it is envisaged that undertaking this Unit on an open learning basis may be difficult.

### **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: Design and Manufacture

This Unit is designed to allow you to develop a design idea and then make a piece of jewellery from this design. You will look at different inspirational sources and select one of these to develop your design.

You will use tools, equipment and techniques that are appropriate to your design to produce a piece of jewellery to a high commercial standard.

It is likely you will be asked to produce a sketchbook or workbook to show the development of your design supported by technical notes about its construction.

You will also be expected to bring forward and discuss your own ideas with the tutor and other members of the class. If you identify potential technical problems during the design and manufacture process, your tutor can offer you advice, assistance and demonstrations to ensure that you can successfully complete your piece of jewellery.

There are opportunities to develop the Core Skill of *Problem Solving* at SCQF level 6 and the component Oral Communication at SCQF level 5 in this Unit, although there is no automatic certification of Core Skills or Core Skills components.