



Higher National Unit specification

General information for centres

Unit title: Jewellery: Claw Setting Techniques

Unit code: F3Y2 35

Unit purpose: This Unit is designed to enable candidates to develop the underpinning knowledge and practical skills required to set gemstones using the claw setting technique. The Unit will allow candidates to develop skills in tool and mount preparation, as well as a practical experience relevant to the stone setter.

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

- 1 Select and prepare tools and materials to undertake the claw setting technique.
- 2 Perform claw setting 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: Entry to this Unit is at the discretion of the centre. Candidates would benefit from having studied jewellery at SCQF level 5 or 6.

Core Skills: There are opportunities to develop the Core Skills of *Problem Solving* at SCQF level 6, *Working with Others* at SCQF level 5 and the *Numeracy* component Using Number 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: The assessment for this Unit will be product evidence in the form of completed jewellery items for Outcome 2. Outcome 1 could be assessed by the use of checklists to document the selection of tools and materials.

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

Select and prepare tools and materials to undertake the claw setting technique

Knowledge and/or Skills

- ◆ Tools
- ◆ Materials
- ◆ Sharpening

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can select and prepare tools and materials to undertake a single stone claw setting and a multiple stone claw setting. The mounts for the setting process can be given by the tutor or candidates may use their own. For each chosen setting candidates must:

- ◆ select tools which must be appropriate to the setting and the technique
- ◆ prepare tools so that they are ready to be used
- ◆ select materials which must be appropriate to the setting and the technique
- ◆ prepare materials so that they are ready to be used

The assessment for this Outcome will be combined with that from Outcome 2, as candidates will use the selected and prepared tools and materials to set the stones in Outcome 2.

Assessment Guidelines

An observation checklist could be used by centres to ensure candidates have covered the Evidence Requirements for this Unit. It is envisaged that this assessment could be undertaken over the life of the Unit rather than as a single assessment event.

Higher National Unit specification: statement of standards (cont)

Unit title: Jewellery: Claw Setting Techniques

Outcome 2

Perform claw setting techniques

Knowledge and/or Skills

- ◆ Round faceted stones
- ◆ Square faceted stones
- ◆ Single stone setting
- ◆ Multiple stone setting
- ◆ Finishing

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can set faceted stones into the following claw settings:

- ◆ single round faceted stone rex setting
- ◆ single square faceted stone basket setting
- ◆ multiple stone arrangements (a minimum of two to be produced, type of which should be at the discretion of the centre)

Each gemstone must be set securely and symmetrically and finishing must be performed without causing abrasive damage to the gemstones being set.

The practical assessment for this Outcome will be combined with that from Outcome 1 in that candidates will use the tools and materials selected and prepared in Outcome 1.

Assessment Guidelines

An observation checklist could be used by centres to support product evidence and ensure that candidates have covered the Evidence Requirements for this Unit.

Administrative Information

Unit code: F3Y2 35

Unit title: Jewellery: Claw Setting Techniques

Superclass category: JH

Original date of publication: August 2008

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History of changes:

Version	Description of change	Date
02	Clarification of stone settings in Outcome 2.	23/01/14

Source: SQA

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Higher National Unit specification: support notes

Unit title: Jewellery: Claw Setting 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 was developed for the Jewellery HNC/HND.

This Unit has been written in order to allow candidates to develop skills in the manufacture of jewellery and the setting of faceted gemstones using the ‘Claw’ method of stone setting.

It is anticipated that candidates will gain direct experience in the claw-setting of various gemstone shapes, cuts and sizes and the following projects will be used and assessed to explore this area of work:

- ◆ single round faceted gemstone set into a standard rex setting
- ◆ single square faceted gemstone set into a basket setting
- ◆ multiple stone linear arrangements
- ◆ multiple stone cluster arrangements

In addition, candidates could be given the opportunity to undertake claw setting techniques for other gemstone cuts although this would not be formally assessed. These cuts could include:

- ◆ Pear Brilliant Cut
- ◆ Marquise Brilliant Cut
- ◆ Step Cut

Guidance on the delivery and assessment of this Unit

It is envisaged that the assessment for this Unit will take the form of discreet projects based on the Evidence Requirements although there are possibilities for cross assessment with other areas of the Group Award.

There may be opportunities to integrate this Unit with aspects of the Unit: *Jewellery: Rub-over Setting Techniques*.

It is anticipated that lecturers will provide a range of short exercises allowing candidates to gain experience in setting a range of synthetic gemstones using the claw setting technique. This will allow candidates to build up a range of competences in the stone setting practice culminating in a more challenging assessment project over the final nine hours of the Unit.

Some cross assessment with regards to the final project may be desirable specifically with regards to the design element of the Jewellery HND. Specifically this may allow for cross assessment with the design Units — DV5W 35 *Art and Design Project* and *Design and Manufacture Jewellery*. The exercises undertaken in the delivery of this Unit should allow candidates to improve their setting skills, which will then in turn allow them to better undertake further project based Units within the Group Award.

Higher National Unit specification: support notes (cont)

Unit title: Jewellery: Claw Setting Techniques

Opportunities for developing Core Skills

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

To develop Problem Solving, candidates could be encouraged to consider the risks associated with the stone setting process, particularly in relation to issues of the shape and cut of a gemstone, hardness and durability of gemstones, and how one can minimise the risks involved. Candidates will also be required to analyse and seek solutions to a range of practical issues involved in the manufacture of jewellery items. During formative work they should be encouraged to identify and consider variable solutions and tool selections.

The Using Number component of *Numeracy* may be developed if candidates calculate various dimensions of gemstones in the early stages of the planning process. This would involve accurate measurements and calculations based on diameter and circumference.

Working with Others may be developed, 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).

General Information for Candidates

Unit Title: Jewellery: Claw Setting Techniques

This Unit is designed to enable you to develop the underpinning knowledge and practical skills required to set gemstones using the claw setting technique. You will develop skills in tool and mount preparation, as well as gaining practical experience relevant to the stone setter.

This Unit will provide you with the underpinning knowledge and skills to:

- 1 Select and prepare a range of specialist jewellers setting tools that are required to accurately perform claw setting of faceted gemstones.
- 2 Set round and square faceted gemstones into claw settings.

In Outcome 1 you will learn about the variety of gravers and burrs that can be employed to prepare a setting for claw setting. In addition, you will learn how to measure, sharpen and maintain the tools used for this purpose.

In Outcome 2 you will learn about the actual setting process and then how to correctly apply claws to a gemstone in order to secure it to a setting.

The focus of this Unit is largely practical and assessment will require you to prepare tools and materials, and set stones.

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