



Higher National Unit specification

General information for centres

Unit title: Jewellery: Enamelling Techniques

Unit code: F3XV 34

Unit purpose: This Unit will develop knowledge and skills in enamelling. The candidate will evaluate enamelling techniques, produce samples of enamel work with technical notes describing the techniques and produce enamelled jewellery.

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

- 1 Evaluate enamelling techniques.
- 2 Apply enamelling techniques.
- 3 Produce finished enamelled jewellery 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: While access to this Unit is at the discretion of the centre, candidates would benefit from having studied jewellery making at SCQF level 6. This could be evidenced by successful completion of the Units F3Y7 34 *Jewellery: Manufacturing Techniques* and E8J7 11 *Jewellery Design: Enamelling*.

Core Skills: There are opportunities to develop the Core Skills of *Working with Others*, *Communication*, *Problem Solving* and *Information Technology* 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 candidate could work to an agreed brief, which requires them to evaluate enamelling techniques, use enamelling techniques to make samples and using at least one previously identified technique, produce finished items of jewellery.

Higher National Unit specification: statement of standards

Unit title: Jewellery: Enamelling 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 enamelling techniques

Knowledge and/or Skills

- ◆ Materials
- ◆ Enamelling techniques
- ◆ Tools and Equipment

Evidence Requirements

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

- ◆ describe at least three techniques and explain the context in which each was developed. The description must include the context in which the technique was first used. The techniques must be chosen from cloisonné, champlevé, plique à jour, baisse-taille or any other acceptable industry technique.
- ◆ describe the materials, tools and equipment used to carry out the three techniques described previously.
- ◆ evaluate the suitability of each the chosen techniques to different jewellery items and materials.

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

Assessment Guidelines

Candidates could be presented with a brief that requires an evaluation of enamelling techniques, and the production of samples through to the production of a finished enamelled item.

To support their work candidates could be asked to produce a work/sketchbook or technical notes which provide 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.

Higher National Unit specification: statement of standards (cont)

Unit title: Jewellery: Enamelling Techniques

Outcome 2

Apply enamelling techniques

Knowledge and/or Skills

- ◆ Selection of materials
- ◆ Tools
- ◆ Techniques
- ◆ Problems
- ◆ Technical notes
- ◆ Safe working practices

Evidence Requirements

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

- ◆ select tools and materials for the application of at least three enamelling techniques evaluated during Outcome 1.
- ◆ experiment with enamelling techniques through the production of samples. The experimentation must include at least three enamelling techniques and four samples across the three techniques chosen.
- ◆ produce technical support notes. The technical notes must support the experimentation of enamelling techniques providing details of the process of experimentation through the use of notes for each sample, providing illustrations or diagrams of the chosen techniques and details of any problems encountered and how they were managed.
- ◆ produce samples using safe working practices.

This Outcome is integrated with Outcome 3 in that candidates must use at least one technique covered in Outcome 2 to produce finished jewellery items in Outcome 3.

Assessment Guidelines

Candidates could be presented with a brief that requires an evaluation of enamelling techniques, and the production of samples through to the production of a finished enamelled item.

To support their work candidates could be asked to produce a work/sketchbook or technical notes which provide 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.

Enamel samples could be mounted on presentation boards or in a work/sketchbook.

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

Higher National Unit specification: statement of standards (cont)

Unit title: Jewellery: Enamelling Techniques

Outcome 3

Produce finished enamelled jewellery items

Knowledge and/or Skills

- ◆ Enamel Jewellery Items
- ◆ Interpretation techniques
- ◆ Commercial Standard
- ◆ 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 a minimum of two finished jewellery items using at least one enamelling technique identified in Outcome 2.
- ◆ produce two finished jewellery items finished and polished to a commercial standard with no obvious faults.
- ◆ produce technical notes that support the processes followed in the production of the two finished jewellery items. The technical notes must identify any problems arising and subsequent solutions implemented.
- ◆ reflect on their own practice. The reflection must identify what was covered, what was produced and what could have been done better.
- ◆ produce finished items of jewellery using safe working practices.

This Outcome is integrated with Outcome 2 in that candidates must produce finished jewellery items in Outcome 3 using at least one technique covered in Outcome 2.

Assessment Guidelines

Finished items could be presented in presentational boxes.

Technical notes, to support the finished pieces, could be presented in a work/sketchbook containing technical notes. The work/sketchbook could be in the form of text and illustrations or alternative formats could be used such as web, video or audio. Reflections of candidates' own work could be included in the support notes.

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

Administrative Information

Unit code: F3XV 34
Unit title: Jewellery: Enamelling Techniques
Superclass category: JH
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Version	Description of change	Date

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Higher National Unit specification: support notes

Unit title: Jewellery: Enamelling 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 designed to enable the candidate to produce work that will increase their knowledge, skills and understanding in the specialist area of enamelling. Evaluation should be carried out by the candidate that shows thorough exploration of various enamelling techniques. Samples of enamel work should be produced to enable the candidate to build on their knowledge and understanding of enamelling techniques.

Correct health and safety procedures should be followed at all times. This should include wearing a dust/fume mask, heat resistant gloves, protective gloves and suitable protective clothing where necessary and using fume extraction.

The finished items of enamelled work should clearly show the investigation and development produced in Outcomes 1 and 2.

Outcome 1

Candidates could be given a brief asking them to research specific enamelling techniques or they could come up with their own brief which could be agreed with the tutor. Research could include a brief history of enamel work and techniques such as Cloisonne, Champleve, painted enamel, Plique a jour, Sgraffito, Flux, Stencilling, and Baisse-taille or exploration with Matting Salts, liquid enamels, sugar-fired enamel or enamelling on concave/convex surfaces.

Outcome 2

Candidates should produce a minimum of enamel samples using techniques evaluated in Outcome 1. Samples should demonstrate candidates understanding of various enamelling techniques. Within the timeframe, candidates may wish to produce further samples of one of the techniques in order to fully understand and experiment with it, in order to achieve unusual results. Enamel samples should be finished accurately.

Samples could be mounted neatly on boards or they could be presented in a work/sketchbook. Detailed technical notes could be produced, detailing necessary enamel modifications for problems arising and solutions found, firing temperatures and timings, types of enamel, colours and methods. Illustrations could be included with technical notes. The work/sketchbook could be in the form of text and illustrations or alternative formats could be used such as web or video. Technical notes could be commentary, either oral or recorded.

Higher National Unit specification: support notes (cont)

Unit title: Jewellery: Enamelling Techniques

Outcome 3

Candidates should produce a minimum of two finished pieces of enamelled jewellery or enamelware. This could be a ring, brooch, pendant, spoon, box, small dish or similar item.

The final pieces should show continuity with samples produced in Outcome 2. Candidates could present technical notes in a work/sketchbook detailing necessary enamel modifications for problems arising and solutions found, firing temperatures and timings, types of enamel, colours and methods. Illustrations could be included with technical notes. The work/sketchbook could be in the form of text and illustrations or alternative formats could be used such as web or video. Technical notes could be commentary, either oral or recorded.

It is recommended that at the end of the Unit, the candidate evaluates and reflects on work produced. This could be an informal group discussion or with the tutor.

A health and safety checklist could be supplied or a risk assessment that candidates could complete as they work through the Unit.

Guidance on the delivery and assessment of this Unit

This Unit has been developed as part of the Jewellery HNC/HND but is suitable as a standalone Unit for those studying jewellery or working in the industry. Should the Unit be taught as part of the HNC/D Jewellery then opportunities may be taken to link or integrate with other aspects of the course and a thematic approach adopted for both delivery and assessment.

The Outcomes are progressive stages and one assessment would allow the tutor to get a feel for the continuity of work produced throughout the Unit. Formative assessment should take place throughout the Unit to ensure the candidate is progressing satisfactorily through each Outcome.

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

In Outcome 1 candidates will evaluate enamelling techniques.

Having carried out an initial introduction with examples and discussion, candidates should carry out their research and work individually.

It would be beneficial if candidates had access to the internet and relevant reference material such as books/videos/DVDs/publications to support their evaluation. Visits to galleries/workshops would also help.

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.

For Outcome 2 it is strongly recommended that candidates have access to a well equipped workshop. A wide variety of materials could be made available for experimentation, although candidates should be encouraged to source their own materials.

Higher National Unit specification: support notes (cont)

Unit title: Jewellery: Enamelling Techniques

Safe and considerate working practices and studio management should be emphasised at all times, particularly when sharing facilities or equipment.

Candidates should be encouraged to reflect on their work throughout the Unit and discuss considerations that influence their objectives with their tutor.

In Outcome 3 the final design should show consideration of the enamelling materials and techniques to be used in production of the finished piece and of the complexity of the making process involved.

Finished pieces of jewellery should be produced to a high standard and use appropriate construction methods and materials. Where mistakes or faults occur, solutions should be found to repair them and the final piece should be free of any imperfections. Candidates should show a clear understanding of the qualities of chosen materials and use these appropriately within their finished piece.

Candidates could be encouraged to make an informal presentation and evaluation of their work either to the whole group or to the tutor.

Candidates should show an awareness of health and safety issues and follow safe working practices at all times. A short risk assessment could be used to evidence this, or the tutor could use an observation checklist to record candidates' work practices.

Opportunities for developing Core Skills

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

The Core Skill of *Communication* may be developed through the production of technical notes which may bring together both visual and written material. The evaluation in Outcome 1 and the reflection in Outcome 3 if produced as written work may provide opportunities to develop the Written Communication component. If candidates present their work orally, there may be opportunities to develop the Oral component.

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 their achievement.

The practical nature of workshops, 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*.

Where candidates use the internet to research enamelling techniques and/or use information technology to maintain working notes and illustration and use information technology to generate designs the opportunity to develop the Core Skill of *Information Technology*.

Higher National Unit specification: support notes (cont)

Unit title: Jewellery: Enamelling Techniques

Open learning

With the exception of Outcome 1, the practical nature of this Unit would make it difficult to deliver via open learning.

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: Enamelling Techniques

This Unit will allow you to develop your skills and knowledge of enamelling techniques. You will evaluate and explore enamelling techniques and produce finished enamelled jewellery or small enamelled items.

For Outcome 1 you will evaluate a variety of enamelling techniques. You will produce technical notes. Illustrations and diagrams could be included. Your work could be collated in a work/sketchbook or alternative suitable format such as web or video. Technical notes could be annotated or commentary, either recorded or oral.

For Outcome 2 you will apply at least three enamelling techniques evaluated in Outcome 1 to produce at least four enamel samples. These samples should be presented neatly with detailed technical notes explaining necessary enamel modifications for any problems arising, solutions found, firing temperatures and timings, types of enamel, colours and methods. Illustrations could be included with technical notes. The work/sketchbook could be in the form of text and illustrations or alternative formats could be used such as web or video. Technical notes could be commentary, either oral or recorded.

For Outcome 3 you will make a minimum of three pieces of finished enamelled jewellery items or enamelware using at least one technique from Outcome 2. Your final pieces should be finished and polished to a professional standard. Technical notes should also accompany work produced for this Outcome.

Your work for this Unit 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. Technical notes could be commentary, either oral or recorded.

Throughout the Unit you will have to use tools and equipment correctly and safely and show consideration for health and safety of others in your working practices.

The Unit may also provide you with the opportunity to develop the written component of the Core Skill of *Communication* at SCQF level 6 depending on how you present your technical notes. You may also have the opportunity to develop the Core Skills of *Problem Solving*, *Information Technology* and *Working with Others* all at SCQF level 5.