

Higher National Unit specification

General information for centres

Unit title: Glass: Gilding

Unit code: F1RV 34

Unit purpose: This Unit is designed to introduce candidates to glass gilding techniques using appropriate materials, tools and equipment. It is suitable for candidates studying art glass work or those working in the glass industry.

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

- 1 Select appropriate tools and materials for glass gilding.
- 2 Prepare glass for gilding.
- 3 Select and apply metallic leaf to glass.

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: While access to this Unit is at the discretion of the centre, it would be beneficial if candidates had prior knowledge of glasswork such as an NQ course in Decorative Glasswork at SCQF level 5 or 6.

Core Skills: There are opportunities to develop the Core Skills of 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.

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: This Unit lends itself to holistic assessment. Candidates could be given a brief asking them to manufacture a gilded glass object. This would involve them selecting appropriate materials and tools, preparing glass for gilding, applying bonding agent and metallic leaf to the glass and ensuring that health and safety procedures were followed throughout.

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.

Outcome 1

Select appropriate tools and materials for glass gilding

Knowledge and/or Skills

- ◆ Types of tools
- ◆ Types of brushes
- ◆ Types of bonding agent
- ◆ Types of metal leaf

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and/or skills by showing that they can select appropriate materials and tools for a given task. The task should include the correct and appropriate use of:

- ◆ two different types of metal leaf
- ◆ two different types of bonding agent
- ◆ two different types of brushes
- ◆ two different tools to use with the metal leaf

Candidate performance should be recorded in an observation schedule.

Candidates should justify their choice of materials, tools and brushes through technical notes recorded in a logbook.

Assessment Guidelines

The assessment of this Outcome can be combined with Outcomes 2 and 3 as part of a single assessment for the Unit, details of which are given under Outcome 3 below.

Higher National Unit specification: statement of standards (cont)

Unit title: Glass: Gilding

Outcome 2

Prepare glass for gilding

Knowledge and/or Skills

- ◆ Cleaning techniques
- ◆ Surface protection
- ◆ Mixing techniques
- ◆ Size application techniques

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and/or skills by showing that they can, with reference to a given task:

- ◆ demonstrate appropriate cleaning techniques for the products chosen
- ◆ use appropriate mixing techniques to achieve even distribution of size
- ◆ follow manufacturers' instructions
- ◆ protect surfaces

Candidate performance should be recorded in an observation schedule.

Candidates should make technical notes on the processes used in a logbook.

Assessment Guidelines

The assessment of this Outcome can be combined with Outcomes 1 and 3 as part of a single assessment for the Unit, details of which are given under Outcome 3 below.

Outcome 3

Select and apply metallic leaf to glass

Knowledge and/or Skills

- ◆ Types of brush
- ◆ Coating techniques
- ◆ Testing readiness
- ◆ Application techniques
- ◆ Sealing techniques
- ◆ Finishing techniques
- ◆ Cleaning techniques
- ◆ Health and safety

Higher National Unit specification: statement of standards (cont)

Unit title: Glass: Gilding

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and/or skills by showing that they can select and apply metallic leaf to glass to meet a given brief. Candidates should:

- ◆ select suitable container small enough to reduce waste
- ◆ select brush fit for purpose
- ◆ apply size evenly with no misses
- ◆ allow to set
- ◆ test for readiness with finger
- ◆ describe cleaning and preparation processes for glass
- ◆ describe the related health and safety requirements
- ◆ select appropriate tools and materials
- ◆ use appropriate tools for each task
- ◆ work in a safe manner
- ◆ follow safety procedures

The glass should be successfully gilded with no misses.

Candidate performance should be recorded in an observation schedule.

Candidates should record technical notes, detailing how they carried out the brief or commission, in a logbook.

Assessment Guidelines

The assessment of this Outcome can be combined with Outcomes 1 and 2 as part of a single assessment for the Unit. Candidates could be asked to produce a gilded glass object to meet a given specification which could be a commission given to the candidate by a client or could be a centre-devised project. The production of the gilded panel could be recorded in an observation schedule which would record:

- ◆ use of the appropriate and correct tools in a safe manner
- ◆ preparation and cleaning of glass
- ◆ choice and use of bonding agents
- ◆ testing readiness
- ◆ choice of metal leaf
- ◆ application techniques
- ◆ sealing techniques

Overall the gilded glass object should be completed to a commercially acceptable standard.

Additionally candidates will be expected to show continuing care and maintenance of tools, adherence to health and safety requirements in the workshop; appropriate use of equipment which matches manufacturers' instructions.

Administrative Information

Unit code: F1RV 34

Unit title: Glass: Gilding

Superclass category: JR

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Version	Description of change	Date

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Higher National Unit specification: support notes

Unit title: Glass: Gilding

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 is an optional Unit in the HNC/HND Art Glass Production Group Awards frameworks. Its purpose is to introduce candidates to glass gilding techniques using appropriate materials, tools and equipment.

The kind of equipment which will be used in this Unit would include different types of brushes as well as cushions, tips and knives. Candidates should also use different types of leaf gold and silver. These are available in a variety of colours. The importance of cleanliness and tidiness in the work area should be stressed throughout the Unit.

Different kinds of glass and gilding should include lettering, traditional and modern designs on mirrors, glass and bottles.

Candidates should be encouraged not only to follow Health and Safety requirements in the workplace but to research any specific manufacturers' instructions supplied with equipment. Manufacturers' catalogues and websites could be used as a source of reference for materials and equipment.

Guidance on the delivery and assessment of this Unit

The bulk of the work in this Unit is in Outcomes 2 and 3 and candidates will need to practise their techniques prior to assessment until they have achieved a level of competence where they can produce a gilded glass object using a variety of materials.

The Unit lends itself to holistic assessment. Candidates should be given a practical assessment in manufacturing a gilded glass panel. This could be a centre devised task or an agreed task to meet a client brief. Candidates should record technical notes in a logbook, which details the job from start to completion. Observation schedules should be used to record candidates' practical performance.

Opportunities for developing Core Skills

Candidates develop their Problem Solving skills by determining the materials, tools and equipment which should be used to meet the specification given. These skills would be developed throughout the Unit by presenting candidates with mini-briefs to work to so that they make decisions, plan their work and organise the resources needed to carry out tasks. Using observation schedules the candidates will be evaluated on what they have done and, in particular, when things don't work out and there are flaws, how they can amend these flaws and minimise wastage.

Candidates will be involved in working with others to negotiate use of equipment at certain times in the workshop environment. Candidates will also have to work with others to ensure the health and safety requirements in the workshop are adhered to.

Higher National Unit specification: support notes (cont)

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Open learning

This Unit is not suitable for Open learning due to the equipment used and the workshop environment required to use this equipment.

For further information and advice, please refer to the SQA guide *Assessment and Quality Assurance for Open and Distance Learning* www.sqa.org.uk.

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: Glass: Gilding

In this Unit you will learn how to gild onto glass using traditional methods. You will apply metal leaf to the glass to highlight specific areas. You will learn how to mix and apply size — this is what bonds the metal leaf to the glass. You will learn how to apply leaf, which can be silver or gold (real silver and 24 carat gold), to your glass. You will learn about health and safety in the workplace and how to use the tools and equipment required for the gilding process.

You will practise on different types of glass. This may include lettering, traditional or modern designs on mirrors or clear glass, glass or crystal bottles or glasses.

You will be assessed by your tutor who will observe and record the things that you are asked to do in a practical assignment. You will produce technical notes to support the practical activity.

You will have the opportunity to develop the Core Skills of Working with Others and Problem Solving in this Unit. You will develop your Problem Solving skills by planning, developing and evaluating what you do — not all processes will work out exactly the way you planned them and you may need to experiment or correct errors as you work. Your Working with Others skills will be developed through consultation/negotiation with colleagues regarding the use of equipment, tools, etc.