



Higher National Unit specification

General information for centres

Unit title: Glass Painting: Advanced

Unit code: F1WR 35

Unit purpose: This Unit is designed to enable candidates to produce a glass-fired panel that has been painted using a variety of methods to complement traditional glass painting. It is suitable for candidates wishing to advance to a higher level of study in glass painting or employment in art glass production.

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

- 1 Select and prepare materials and equipment.
- 2 Apply paints and stains to glass using unconventional methods.
- 3 Produce a kiln fired painted panel.

Credit points and level: 2 HN credits at SCQF level 8: (16 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 access to this Unit is at the discretion of the centre, candidates should have competence in traditional glass painting techniques. The candidate ideally, should possess certification at SCQF level 7 such as F1RP 34 *Painting and Firing Staining Glass Panels*, which involves traditional glass painting skills, or an equivalent qualification.

Core Skills: There are opportunities to develop the Core Skills of Communication, Problem Solving, Numeracy and Working with Others at SCQF level 6 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.

General information for centres (cont)

Assessment: All assessments are practical based with candidate performance recorded on checklists. Performance evidence of competence should be gathered under studio working conditions and should consist of producing five samples of different techniques to meet a given open brief in:

- ◆ selecting and preparing glass samples for testing various techniques and procedures
- ◆ producing kiln fired samples relative to identified tests
- ◆ conducting appropriate tests and accurately recording in a work or log book
- ◆ evaluating all relevant data
- ◆ producing a painted and fired glass panel

Assessment could be a centre-devised checklist for each Outcome.

Health and Safety protocol should be ongoing and assessed via a centre-devised checklist for each Outcome.

Higher National Unit specification: statement of standards

Unit title: Glass Painting: Advanced

Unit code: F1WR 35

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 materials and equipment

Knowledge and/or Skills

- ◆ Types of glass
- ◆ Glass samples
- ◆ Preparation techniques
- ◆ Tools and equipment
- ◆ Data recording
- ◆ Health and Safety

Evidence Requirements

The candidates will be required to provide evidence to demonstrate their Knowledge and Skills by showing that they can select and prepare materials and equipment to meet a given brief. This brief should be sufficiently open to allow candidates to discuss and develop unconventional techniques and designs to be used. The samples to be produced should be fully negotiated between lecturer and candidate. After negotiation and clarification of the brief the candidate should:

- ◆ select at least five different types of glass — transparent, translucent, opaque, float and textured to meet the brief
- ◆ cut and prepare the five pieces of glass to be used as samples for five different processes required by the brief
- ◆ select and prepare relevant tools and equipment for each process used

All data, techniques, processes and details of experimentation should be accurately recorded in detail.

Throughout the Outcome Health and Safety at Work Regulations must be followed by candidates and this should be evidenced by the use of an observation schedule which should be completed by the tutor supervising the practical work.

Higher National Unit specification: statement of standards (cont)

Unit title: Glass Painting: Advanced

Assessment Guidelines

The candidate could be given an open brief which would stipulate the use of five different types of glass and detail five different processes which should be demonstrated. Aspects of the brief should be open and require the candidate to discuss the unconventional techniques and the development of the brief with the lecturer. The candidate would then choose the types of glass to be used from glass in stock and cut and prepare the glass for the processes using the correct equipment.

Centre devised observation schedules should be used to record candidate performance including the candidate following Health and Safety requirements.

Outcome 2

Apply paints and stains to glass using unconventional methods

Knowledge and/or Skills

- ◆ Types of binders
- ◆ Types of applicators
- ◆ Painting techniques
- ◆ Staining techniques
- ◆ Non-traditional techniques
- ◆ Firing temperatures
- ◆ Health and Safety

Evidence Requirements

The candidates will be required to provide evidence to demonstrate their Knowledge and Skills by producing a minimum of five painted and fired glass samples using binders which should include lavender oil, clove oil, vegetable oil, a combination of oils, gum arabic and vinegar.

The candidate should use a minimum of five different techniques to apply the paints and stains using non-traditional techniques such as spraying, stamping, tracing, floating and dripping. The candidate should also use a range applicators appropriate to the techniques used.

The candidate should produce firing schedules and fire the samples commensurate with the techniques and materials used.

The candidate should record and retain full details of data relevant to the techniques, processes and equipment used in the production of the finished samples and evaluate the techniques used and the samples produced.

Candidate performance should be recorded in an observation schedule which should include evidence of the candidate observing current Health and Safety at Work regulations.

Higher National Unit specification: statement of standards (cont)

Unit title: Glass Painting: Advanced

Assessment Guidelines

The candidates could present the samples produced by mounting them on stiff card which could be accompanied by their technical notes and a written or oral evaluation of the techniques used. The evaluation should include types of paints and stains, binders used, techniques applied and firing schedules. The candidates would be expected to highlight the good and bad visual aspects of each fired piece, for example quality of finish, retention of colour and ease of use compared to the finished result.

Centre devised checklists could be used to record candidate performance inclusive of Health and Safety compliance.

Outcome 3

Produce a kiln fired painted panel

Knowledge and/or Skills

- ◆ Painting Techniques
- ◆ Firing techniques
- ◆ Tools and equipment
- ◆ Firing schedules
- ◆ Data Recording

Evidence Requirements

Candidates will be required to provide evidence to demonstrate their knowledge and skills by showing that they can produce a painted piece of glass using both non-traditional techniques and traditional techniques to meet a given open brief. This brief should be negotiated with the lecturer and techniques to be used should be discussed.

The finished panel should have trace lines drawn with oil and by pen and nib techniques. These trace lines should be fluent and definitive without being over fired. The rest of the panel should be completed using a combination of non-traditional and traditional methods. The finished panel should bear a true reflection of colour used and be devoid of streaks and impregnated marks eg fingerprints.

The glass dimensions should be a minimum of A4 size to a maximum of A3.

Candidate should maintain technical notes throughout the Outcome and should maintain notes of their discussions of the brief. Candidate's performance should be recorded on an observation schedule which should include evidence of the candidate following current Health and Safety at Work regulations throughout the Outcome.

Assessment Guidelines

The candidate could be given a brief detailing the limitations of size and materials available. Candidates could be given the option of selecting their own theme or be presented with a choice from a bank of pictorial representations. The brief should be sufficiently open for the candidate to have the opportunity to discuss the design and techniques to be used.

Administrative Information

Unit code: F1WR 35
Unit title: Glass Painting: Advanced
Superclass category: JR
Original date of publication: August 2007
Version: 01

History of changes:

Version	Description of change	Date

Source: SQA

© Scottish Qualifications Authority 2007

This publication may be reproduced in whole or in part for educational purposes provided that no profit is derived from reproduction and that, if reproduced in part, the source is acknowledged.

SQA acknowledges the valuable contribution that Scotland's colleges have made to the development of Higher National qualifications.

Additional copies of this Unit specification can be purchased from the Scottish Qualifications Authority. Please contact the Customer Contact Centre for further details, telephone 0845 279 1000.

Higher National Unit specification: support notes

Unit title: Glass Painting: Advanced

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 a Mandatory Unit in the second year of the HND Art Glass Production Group Award framework. As this is a SCQF level 8 Unit and would normally be completed in the 2nd year of an HND Course, candidates should be familiar with firing schedules and use of traditional painting techniques. The purpose of the Unit is to introduce candidates to the different techniques, tools and equipment that can be used in conjunction with traditional glass painting and to enable the candidate to develop their skills in using non-traditional methods of glass painting. Candidates should be encouraged to conduct a series of experiments with materials and equipment previously unused.

The kind of tools and equipment which will be used in this Unit would include various applicators, oils and techniques. A selection of glass from stock should be made available. Where possible the candidates should use different types of kilns and programmers.

Candidates should become familiar with using a range of binders such as lavender oil, clove oil, vegetable oil, a combination of lavender oil and clove oil, gum arabic and vinegar.

Candidates should use a variety of non-traditional techniques to apply paints and stains such as spraying, stamping, tracing, floating and dripping. The candidate should also use a range applicators appropriate to the techniques used.

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

Guidance on the delivery and assessment of this Unit

Candidate will have techniques demonstrated to them and will be introduced to a range of unconventional and experimental materials and ways of applying paints. Candidates should be given ample opportunity to develop their skills and to develop their design skills before progressing to assessment.

Throughout the Unit candidates should be encouraged to keep detailed technical notes of the processes and techniques used so that these can be referred to in the future. Candidates would be encouraged to draw on the techniques used in Outcome 2 for the panel to be produced in Outcome 3. It is therefore important that candidates are encouraged to evaluate the techniques used in producing sample work.

Candidates should be encouraged to present the samples developed in Outcome 2 in a professional way. This Unit could be used to develop candidate 'client' skills. They should be encouraged to negotiate fully the open brief given with their tutor who will act as 'client' for the purpose of refining the brief given.

Higher National Unit specification: support notes (cont)

Unit title: Glass Painting: Advanced

Opportunities for developing Core Skills

Candidates develop their problem solving skills by determining the materials, tools and techniques, which should be used to meet the specification given. This 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. This would also involve candidates working with others to negotiate use of tools, materials and kilns. Candidates will evaluate their work as they progress and make amendments as required.

Candidates will develop their communication skills through negotiating the brief with the 'client'. They will also require to evaluate their work either orally or in writing. Additionally candidates will record their technical notes throughout the Unit.

Numerical skills will be developed through working out firing schedules, measuring and cutting glass to meet the developed brief.

Working with others skills are developed in the workshop environment where candidates have to negotiate the use of equipment with others. The negotiation of the brief will also develop candidate skills in working with others.

Open learning

This Unit is not suited to delivery by distance learning because it requires the candidates to be observed and questioned by a qualified practitioner. Additionally the nature of the equipment being used requires candidates to have a workshop environment to ensure that Health and Safety requirements are followed.

For further information and advice please refer to the SQA document *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 Painting: Advanced

In this Unit, you will learn how to use different techniques in conjunction with traditional glass painting techniques to produce painted glass samples and ultimately a kiln fired painted panel. You will work on your own and at times with your colleagues and tutor to experiment with traditional and non-traditional techniques.

You will be expected to safely work around a kiln and operate a kiln controller by entering various programmes that will facilitate the requirements of the tests. You should observe all Health and Safety at Work regulations and conform to Control of Substances Hazard to Health codes of practice throughout this Unit.

You will be given a brief which will require you to discuss your glass samples and the glass panel you produce with your tutor. This will help develop your skills in dealing with 'clients'. You will be expected to keep technical notes throughout the Unit and you will be expected to evaluate the techniques and final samples you produce. The final assessment will require you to produce a fired glass panel.

Your tutor will give you guidance on your final piece with details of resources of materials and equipment as well as the sizes of glass to be used.

As you undertake this Unit you will develop Core Skills in Communications, Working with Others, Numeracy and Problem Solving.