



## National Unit Specification: general information

**Unit title:** Art and Design: Introduction to Stained Glass Techniques (SCQF level 6)

**Unit code:** F9WP 12

**Superclass:** JR

**Publication date:** September 2010

**Source:** Scottish Qualifications Authority

**Version:** 01

### Summary

This Unit has been designed to introduce candidates to the basic principles and application of stained glass techniques. Candidates will gain knowledge and understanding in the use and care of materials, tools and equipment in the production of stained glass panelling. Candidates will also gain a working knowledge of relevant safety procedures and legislation.

This Unit is suitable for candidates who wish to learn basic stained glass techniques.

### Outcomes

- 1 Describe materials, equipment and techniques used in the production of stained glass panels.
- 2 Cut glass shapes to given specification(s).
- 3 Produce a glass leaded panel to a given specification.

### Recommended entry

While entry is at the discretion of the centre, candidates would benefit from having previous experience of an Art and Design course or Units.

### Credit points and level

1 credit at SCQF level 6 (6 SCQF credit points at SCQF level 6\*).

*\*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.*

## **National Unit Specification: general information (cont)**

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### **Core Skills**

There is no automatic certification of Core Skills in this Unit.

Opportunities to develop aspects of Core Skills are highlighted in the Support Notes of this Unit specification.

## **National Unit Specification: statement of standards**

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Acceptable performance in this Unit will be the satisfactory achievement of the standards set out in this part of the Unit Specification. All sections of the statement of standards are mandatory and cannot be altered without reference to SQA.

### **Outcome 1**

Describe materials, equipment and techniques used in the production of stained glass panels.

#### **Performance Criteria**

- (a) Identify the common types of materials used.
- (b) Identify common equipment and techniques used.
- (c) Demonstrate an understanding of the relevant safety factors relating to the use and storage of materials and equipment.

### **Outcome 2**

Cut glass shapes to given specification(s).

#### **Performance Criteria**

- (a) Use cutting tools correctly producing cuts and scores to acceptable tolerances.
- (b) Separate scored glass shapes from glass sheets.
- (c) Demonstrate correct use of materials, tools and equipment for glass cutting and finishing.

### **Outcome 3**

Produce a glass leaded panel to a given specification.

#### **Performance Criteria**

- (a) Cut and prepare lead to the given specification.
- (b) Solder joints correctly.
- (c) Correctly seal the glass and lead.
- (d) Join the glasswork to complete a glass panel to the specification.
- (e) Correctly finish the glass panel.
- (f) Adhere to current health and safety procedures throughout.

## **National Unit Specification: statement of standards (cont)**

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### **Evidence requirements for this Unit**

Evidence is required to demonstrate that candidates have achieved all Outcomes and Performance Criteria.

Written and/or oral evidence and product evidence must be produced to demonstrate that candidates have achieved all of the Outcomes and Performance Criteria.

The candidate will produce a folio of work that includes:

- ◆ a description of the use of common materials, equipment, techniques for stained glass panelling
- ◆ an understanding of the safety factors associated with stained glass panel production to include personal hazards, toxicity of materials
- ◆ glass cutting to specified tolerance levels of straight and curved shapes. Applied use of glass finishing skills for straight and curved shapes (recorded by the teacher/lecturer on an assessor observation checklist)
- ◆ examples of stained glass cut shapes that meet the requirements of the specification
- ◆ a stained glass panel produced to specification that combines applied lead fitting, joining and finishing techniques

The evidence will be produced under open-book conditions.

## **National Unit Specification: support notes**

### **Unit title:** Art and Design: Introduction to Stained Glass Techniques (SCQF level 6)

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 of the National Certificate in Art and Design at SCQF level 6. It can also be taken as a freestanding Unit.

If this Unit is being delivered as part of a programme of Art and Design based Units, then it is recommended that centres consider an integrated delivery approach with other Units in the award.

The Unit is designed to offer candidates the opportunity to gain knowledge and skills relating to the construction processes and techniques used in the production of a glass leaded panel. The Unit can be offered to candidates wishing to learn the skills associated with decorative glasswork.

Candidates must at all times comply with procedures and regulations designed for safe working practices and work areas. Current health and safety legislation and regulations must be emphasised at all times due to the hazardous nature of the work involved.

Tools, equipment and materials required include:

- ◆ glasscutters, groziers, sharpening stones.
- ◆ Glass types: flashed glass, cathedral glass, opalescent.
- ◆ Lead types: flat, round.
- ◆ Use of lead came and associated stained glass panelling equipment.
- ◆ Finishing techniques: soldering, cementing, polishing.

### **Guidance on learning and teaching approaches for this Unit**

Teachers/lecturers should provide demonstrations of practical techniques and the use of related materials and visual, exemplars of completed work could be used to help define expected standards of quality and finish. Class discussion and the use of industrial visits could be used to further reinforce working practices and methods. These approaches can be used to provide a stimulating visual launch to this Unit.

Teachers/lecturers should issue clear instructions and explain each process, demonstrating the practical elements step by step until the candidate feels confident enough to attempt them on his/her own. Teachers/lecturers should supervise the practical exercises carried out by the candidates and safety factors should be emphasised throughout the delivery of the Unit due to the hazardous nature of the work involved. Terminology should be presented in context throughout the Unit.

## National Unit Specification: support notes (cont)

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### Opportunities for developing Core Skills

Candidates may have opportunities to develop aspects of the Core Skill of *Problem Solving* through the developmental and production processes and aspects of the Core Skill of *Communication* during ongoing discussions and preparation for tutorial sessions and in the descriptions of materials equipment and techniques.

Candidates may also have opportunities to develop aspects of the Core Skill of *Numeracy* during the preparation and cutting of glass to given tolerances and in the development of on-going practical work.

### Guidance on approaches to assessment for this Unit

A suitable instrument of assessment for this Unit would be a practical exercise(s).

Candidates should be aware of all assessment requirements and arrangements. Continuous assessment combined with candidate/teacher/lecturer reviews may be used to assist candidates in the progression of their work.

Although assessment may be ongoing teachers/lecturers should assist candidates to prepare for the final assessment by advising and guiding them in the selection and presentation of the work to be assessed.

Candidates should demonstrate the ability to select and use materials, equipment and processes and develop the skills required to produce work that meets the Unit requirements.

Assessment evidence could be gathered and linked with other mandatory and/or optional Units for centres delivering the National Certificate in Art and Design at SCQF level 6.

Teachers/lecturers must be satisfied that the evidence submitted is the work of individual candidates. Although group work may be used as learning and teaching approach, any work that contributes to a candidate's assessment evidence must be carried out on an individual basis to ensure authenticity.

### Opportunities for the use of e-assessment

E-assessment may be appropriate for some assessments in this Unit. By e-assessment we mean assessment which is supported by Information and Communication Technology (ICT), such as e-testing or the use of e-portfolios or e-checklists. Centres which wish to use e-assessment must ensure that the national standard is applied to all candidate evidence and that conditions of assessment as specified in the Evidence Requirements are met, regardless of the mode of gathering evidence. Further advice is available in *SQA Guidelines on Online Assessment for Further Education (AA1641, March 2003)*, *SQA Guidelines on e-assessment for Schools (BD2625, June 2005)*.

## **National Unit Specification: support notes (cont)**

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### **Disabled candidates and/or those with additional support needs**

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering whether any reasonable adjustments may be required. Further advice can be found on our website [www.sqa.org.uk/assessmentarrangements](http://www.sqa.org.uk/assessmentarrangements)

## History of changes to Unit

Version	Description of change	Date

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