



Arrangements for:
HNC Art Glass Production
Group Award Code: G8RF 15

HND Art Glass Production
Group Award Code: G8RG 16

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Acknowledgement

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

History of changes

It is anticipated that changes will take place during the life of the qualification and this section will record these changes. This document is the latest version and incorporates the changes summarised below. Centres are advised to check SQA's APS Navigator to confirm they are using the up to date qualification structure.

NOTE: Where a Unit is revised by another Unit:

- ◆ No new centres may be approved to offer the Unit which has been revised.
- ◆ Centres should only enter candidates for the Unit which has been revised where they are expected to complete the Unit before its finish date.

Version number	Description	Date
04	Revision of Unit: DE1K 33 Workplace Communication in English has been revised by H8T2 33 and finishes on 31/07/2016.	27/03/15
03	Revision of Units: DK2M 34 <i>Personal Enterprise Skills</i> revised by F3HT 34 and has finished. DV5W 34 <i>Art and Design: Design Project</i> revised by H380 35 and will finish 31/07/2015. DX2Y 35 <i>Creative Project for Artists and Designers</i> revised by H381 35 and will finish 31/07/2015. DE3N 34 <i>Communication: Analysing and Presenting Complex Communication</i> revised by H7TK 34 <i>Communication: Business Communication</i> and will finish 31/07/2016. D77G 34 <i>Communication: Practical Skills</i> revised by H7MB 34 and will finish 31/07/2016. DK2K 34 <i>Getting Started in Business</i> revised by H7V4 34 <i>Preparing to Start a Business</i> and will finish 31/07/2016. <i>Jewellery: Enamelling Techniques</i> (F3XV 34) and <i>Art and Design: Sustainability</i> (FOMT 35) added as optional Units to HND framework.	30/09/14
02	Addendum added to page 7 to communicate changes to Unit codes.	28/03/11

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1 Introduction

This is the Arrangements Document for the revised Group Awards in Art Glass Production, which were validated in July 2007. This document includes: background information on the development of each Group Award, its aims, guidance on access, details of each Group Award structure, and guidance on delivery.

This revision replaces several existing Group Awards. These Group Awards include the HNC and HND in Architectural and Decorative Glasswork and the HNC and HND in Stained Glass Production Techniques.

2 Rationale for the revision of the Group Awards

The HNC and HND in Art Glass Production are designed to offer a broad based vocational education in art glass production through establishing a balance between practical skills, Core Skills and a programme of relevant supporting Units which will help candidates prepare for employment, self-employment and university. The Group Awards meet the needs of those who are in employment or those seeking to work within the art glass industry.

The review of the predecessor awards was set against a background of an increased demand for bespoke glasswork with many small workshops looking for employees who are multi-skilled and able to meet design glasswork for specific commissions.

The revision took account of:

- ◆ the need for qualifications with specialist glass production Units set within a flexible Group Award structure
- ◆ the revised HN design principles and SCQF requirements
- ◆ the links with and articulation to other awards
- ◆ Units which could be used in small specialist qualifications by experienced personnel in the art glass area to extend their skills and provide continuing professional development or by those who wish to learn about a specific area of glasswork, eg fusing
- ◆ a potential client group of: school leavers; those who have completed NC courses in glasswork or art and design; those in employment in related areas; adult returners and candidates from overseas
- ◆ the results of market research undertaken

2.1 Market research

Market research was conducted with:

- ◆ universities
- ◆ employers
- ◆ current and former HNC and HND students
- ◆ professional bodies such as societies and associations.

Support and feedback on the Group Awards was gathered through questionnaires and interviews.

This consultation initiated some changes to the initial proposal ie:

- ◆ design was included in many of the Units in particular those at SCQF level 8
- ◆ the maintenance and use of technical notes throughout practical processes was included in many Units
- ◆ Core Skills were developed and signposted in all specialist glass Units
- ◆ Business skills are incorporated by the inclusion of the Unit DK2K 34 *Getting Started in Business* in the optional section
- ◆ a project-based approach has been taken in many Units to encourage candidates to manage their time and resources in a cost-effective way
- ◆ all glass Units have been rewritten to reflect updated industry practice and encourage flexibility of approaches to assessment.

In addition extensive use was made of the current research data compiled by:

- ◆ Futureskills Scotland — The Demand for and Use of Skills in the Modern Economy
- ◆ Design Council for the UK
- ◆ Sector Skills Council for the Creative and Cultural Skills — report identified arts and crafts as a significant employer within the UK in small and very small businesses.
- ◆ Scottish Glass Society
- ◆ Wasps Artists Studios
- ◆ Northlands Creative Glass

3 Aims of the Group Awards

The principal aims of both Group Awards are to provide candidates with a vocational qualification in art glass production skills and enable them to progress to further academic qualifications by providing them with the skills and competencies required for university entry level. The aims indicated below are referenced to individual Units in Appendix 1 (Relationship of Mandatory Units to Aims).

3.1 General aims of the HNC

- 1 To develop candidates' knowledge and skills such as planning, analysing and synthesising.
- 2 To develop transferable skills including Core Skills to the levels demanded by employers and for progression to HND.
- 3 To prepare candidates for progression to further studies.
- 4 To prepare candidates to conduct project work involving the planning, integration and application of a variety of skills within a determined time scale.
- 5 To develop specialist vocational skills for the glass industry.
- 6 Help candidates to maximise their potential.

3.2 Specific aims of the HNC

- 7 Develop a range of traditional and contemporary vocational skills within the context of the art glass industry.
- 8 To help candidates meet the changing needs of the art glass industry.
- 9 To provide a Group Award that is recognised by local employers in the art glass industry.
- 10 To provide the art glass industry with well-trained competent operatives with the ability to respond to current and future needs.

3.3 General aims of the HND

- 11 To develop candidates' knowledge and skills in planning, analysing, presenting and evaluating their work.
- 12 To develop study, design and specialist skills appropriate to SCQF level 8 which will enable candidates to progress to employment in glass and related areas and to degree courses.
- 13 To develop transferable skills including Core Skills in Communication, IT, Problem Solving, Numeracy and Working with Others to the levels required by employers and for progression to degree courses.
- 14 To prepare candidates in specialist skills.

3.4 Specific aims of the HND

- 15 To enable candidates to develop complex advanced skills in dealing with process skills to allow employment within the field of glass and related industries.
- 16 To develop a range of advanced vocational skills within the context of glass.
- 17 To carry out complex project work involving research, analysis, planning, production and evaluation.
- 18 To demonstrate the ability to manage projects effectively and evaluate their effectiveness in terms of time, materials and feasibility.

3.5 Target groups

These Group Awards are suitable for a wide range of potential candidates, including those:

- ◆ who have completed a locally-devised National Certificate course in Art Glasswork or Decorative Glasswork, or a similar subject at SCQF level 5/6
- ◆ who are school leavers with appropriate entry qualifications
- ◆ who have an NVQ/SVQ at level 3 in a related area
- ◆ adult returners seeking a change of career
- ◆ who have work experience or are currently employed in the glasswork industry or a related field.

3.6 Employment opportunities

Candidates completing the HNC in Art Glass Production could expect to gain employment as panel builders or assemblers, glass technicians or stained glass artists, in a glass studio.

Those continuing their studies to HND level would develop their studio work and could become self-employed glass artists or use their designing and production skills within a larger studio working as a glass artist designing and manufacturing stained glass panels and windows, household items or glass jewellery or working with stained glass restoration projects.

4 Access to awards

As with all SQA qualifications, access to the awards is at the discretion of the centre. The following recommendations are for guidance only. They are not exhaustive or mutually exclusive and may be considered in a variety of combinations.

4.1 Prior qualifications for entry to HNC/1st Year HND

- ◆ A National Qualification at SCQF level 5 or 6 in glasswork or a related area
- ◆ NVQ/SVQ level 3 in a related area
- ◆ One National Qualification at Higher at level C or above and four Standard Grades at level 2 or above
- ◆ A suitable portfolio of art work
- ◆ Direct entry to the programme could be offered to those applying with equivalent qualifications from other countries, providing the competencies can be identified and are appropriate.

4.2 Entry to 2nd Year HND

While articulation into the second year of the HND course will be at the discretion of the centre it is envisaged that candidates would have achieved 120 SCQF credit points (15 SQA credits) before entering the second year of the course. This would normally include all of the mandatory Units for the HNC.

Where a candidate has achieved the HNC Art Glass Production but does not have 120 SCQF credit points (15 SQA credits) required for progression to year two, it is recommended that an individual learning plan is drawn up for each candidate so that it is clear to the candidate on entry, where they would gain the Units required to make up a full HND. These arrangements will cater for the needs of those who have achieved the HNC at day release or evening class.

The recommended Core Skills entry profile for the award is:

Core Skill	SCQF level
Communication	level 4
Using number	level 4
IT	level 4
Problem Solving	level 4
Working with Others	level 4

Work Experience

Mature candidates with suitable work experience will be accepted for entry provided the enrolling centre believes the candidate is likely to benefit from undertaking the award.

English as an Additional Language

For candidates where English is not their first language it is recommended that they possess English for Speakers of Other Languages (ESOL) SCQF level 5 or a score of 5.5 in IELTS.

Where candidates do not have these recommended Core Skills levels on entry, it is recommended that centres consider carrying out a Core Skills profiling exercise to determine the level of Core Skills the candidate has. After scrutinising the result of the profiling exercise, and after further discussion with the candidate, it is anticipated that centres would agree a programme of additional support activities for any candidate who did not meet the recommended entry requirements.

Additionally candidates who wish to articulate to university should be made aware of any requirements for certificated Core Skills at an early stage.

5 Award structure

The Group Awards and the individual Units reflect the flexibility and employability skills required for employment in the glass industry.

Both groups adhere to the design principles given below.

Design Principles for HNCs and HNDs

SCQF level and credit points

- ◆ HNCs shall be designed to be at SCQF level 7 and shall comprise 96 SCQF credit points
- ◆ HNDs shall be designed to be at SCQF level 8 and shall comprise 240 SCQF credit points
- ◆ HNCs should incorporate at least 48 SCQF credit points at SCQF level 7
- ◆ HNDs should incorporate at least 64 SCQF credit points at SCQF level 8

Core Skills

- ◆ HNC and HND programmes shall incorporate opportunities for candidates to develop Core Skills
- ◆ HNCs and HNDs should clearly include opportunities for candidates to develop Core Skills to levels required by the occupations or progression pathways the HNs support. This would mean that all five Core Skills should be developed in every HN programme.

Mandatory section

- ◆ HNCs should include a mandatory section of at least 48 SCQF credit points including a Graded Unit
- ◆ HNDs should include a mandatory section of at least 96 SCQF credit points including Graded Units

Graded Units

- ◆ HNCs should include one Graded Unit of 8 SCQF credit points at SCQF level 7
- ◆ HNDs should include one Graded Unit of 8 SCQF credit points at SCQF level 8, plus 16 SCQF credit points of Graded Unit(s) at SCQF level 8

5.1 Frameworks

HNC Art Glass Production

Mandatory Units

Unit title	Code	SCQF credit points	SCQF level	SQA credit value
Glass Fusing Techniques	F1X8 34	8	7	1
Glass Slumping: An Introduction	F1WV 34	8	7	1
Leaded Glass Work	F1W1 34	8	7	1
Painting and Firing Stained Glass Panels	F1RP 34	16	7	2
Art Glass Production: Graded Unit 1	F2G6 34	8	7	1
Total		48		6

Optional Units

Unit title	Code	SCQF credit points	SCQF level	SQA credit value
Art Glass: Acid Etching	F1WX 34	8	7	1
Art Glass Production: UV Bonding	F1WS 35	8	8	1
Glass: Copper Foil Work	F1RT 34	8	7	1
Jewellery: Enamelling	D69C 35	8	8	1
Glass: Gilding	F1RV 34	8	7	1
Glass Appliqué	F1X0 34	8	7	1
Glass in Concrete	F1RS 34	8	7	1
Glass Flameworking: Advanced	F1W3 35	16	8	2
Glass: Flameworking Techniques	F1RR 34	8	7	1
Glass Fusing: Advanced Techniques	F1W4 35	16	8	2
Glass Fusing: An Introduction	F1X7 33	8	6	1
Glass Moulding and Forming: An Introduction	F1WP 34	8	7	1
Glass Painting: Advanced	F1WR 35	16	8	2
Glass Slumping: Advanced Techniques	F1WW 35	16	8	2
Art Glass: Glue Chipping of Glass	F1WY 34	8	7	1
Kiln Preparation	F1X6 33	8	6	1
Glass: Sandblasting	F1RW 34	8	7	1
Art Glass: Warm Glass Casting	F1W2 35	16	8	2
General Units				
Communication: Business Communication	H7TK 34*	8	7	1
Communication: Practical Skills	H7MB 34*	8	7	1
Job Costing and Business Calculations	F03K 33	8	6	1
Preparing to Start a Business	H7V4 34*	8	7	1
Personal Development Planning	DE3R 34	8	7	1
Personal Enterprise Skills	F3HT 34*	8	7	1
Using Software Application Packages	D85F 34	8	7	1
Workplace Communication in English	H8T2 33*	8	6	1

Unit title	Code	SCQF credit points	SCQF level	SQA credit value
Units from Art and Design Group Awards				
Art and Design Context*	DV5R 35	8	8	1
Art and Design Project	H380 35*	8	8	1
Art and Design: Working with a Client	F0MM 35	8	8	1
Ceramic Moulds for Glass Forming	F1XX 35	16	8	2
Ceramics: Hand Built	F1TR 34	8	7	1
Digital Imaging*	FD69 34	8	7	1
Portfolio Production	DV9C 34	8	7	1
Glass Project	F1TT 35	8	8	1
Experimental Glass: Design and Production	F1W7 34	8	7	1
Developmental Drawing	DV96 34	8	7	1
Art and Design: Creative Process	DV5T 34	8	7	1
3D Design: Digital Modelling	F0MC 34	8	7	1
Creative Project for Artists and Designers	H381 35*	8	7	1
3D Design Portfolio and Presentation	F0X7 35	8	8	1
Art and Design Context: Personal Investigation	F0MF 35	8	8	1

*Refer to History of Changes for revision changes.

For a candidate to achieve the HNC Art Glass Production, they would require to attain all of the Mandatory Units (48 SCQF credit points/6 SQA credits) and Optional Units worth 48 SCQF credit points/6 SQA credits.

***Addendum 28 March 2011.**

The following Units have been revised and recoded for delivery from August 2011.

FD69 34 *Digital Imaging*
 FD63 35 *Art and Design Context*

HND in Art Glass Production

Mandatory Units

Unit title	Code	SCQF credit points	SCQF level	SQA credit value
Glass Fusing Techniques	F1X8 34	8	7	1
Glass Slumping: An Introduction	F1WV 34	8	7	1
Leaded Glass Work	F1W1 34	8	7	1
Painting and Firing Stained Glass Panels	F1RP 34	16	7	2
Glass Fusing: Advanced Techniques	F1W4 35	16	8	2
Glass Painting Advanced	F1WR 35	16	8	2
Glass Slumping: Advanced Techniques	F1WW 35	16	8	2
Art Glass Production: Graded Unit 1	F2G6 34	8	7	1
Art Glass Production: Graded Unit 2	F2GL 35	16	8	2
Total		112		14

Optional Units

Unit title	Code	SCQF credit points	SCQF level	SQA credit value
Art Glass: Acid Etching	F1WX 34	8	7	1
Art Glass Production: UV Bonding	F1WS 35	8	8	1
Glass: Copper Foil Work	F1RT 34	8	7	1
Jewellery: Enamelling	D69C 35	8	8	1
Jewellery: Enamelling Techniques	F3XV 34*	16	7	1
Glass: Gilding	F1RV 34	8	7	1
Glass Applique	F1X0 34	8	7	1
Glass Flameworking: Advanced	F1W3 35	16	8	2
Glass: Flameworking Techniques	F1RR 34	8	7	1
Glass Fusing: An Introduction	F1X7 33	8	6	1
Glass in Concrete	F1RS 34	8	7	1
Glass Moulding and Forming: An Introduction	F1WP 34	8	7	1
Art Glass: Glue Chipping of Glass	F1WY 34	8	7	1
Kiln Preparation	F1X6 33	8	6	1
Glass: Sandblasting	F1RW 34	8	7	1
Art Glass: Warm Glass Casting	F1W2 35	16	8	2
General Units				
Communication: Business Communication	H7TK 34*	8	7	1
Communication: Practical Skills	H7MB 34*	8	7	1
Preparing to Start a Business	H7V4 34*	8	7	1
Job Costing and Business Documents	F03K 33	8	6	1
Personal Development Planning	DE3R 34	8	7	1
Personal Enterprise Skills	F3HT 34*	8	7	1
Using Software Application Packages	D85F 34	8	7	1
Workplace Communication in English	H8T2 33*	8	6	1
Units from Art and Design Group Awards				
Art And Design Context*	DV5R 35	8	8	1
Art and Design: Design Project	H380 35*	8	8	1
Art and Design: Working with a Client	F0MM 35	8	8	1
Art and Design: Sustainability	F0MT 35*	8	8	1

Unit title	Code	SCQF credit points	SCQF level	SQA credit value
Ceramic Moulds for Glass Forming	F1XX 35	16	8	2
Ceramics: Hand Built	F1TR 34	8	7	1
Digital Imaging*	FD69 34	8	7	1
Portfolio Production	DV9C 34	8	7	1
Glass Project	F1TT 35	8	8	1
Experimental Glass: Design and Production	F1W7 34	8	7	1
Developmental Drawing	DV96 34	8	7	1
Art and Design: Creative Process	DV5T 34	8	7	1
3D Design: Digital Modelling	F0MC 34	8	7	1
Creative Project for Artists and Designers	H381 35*	8	7	1
3D Design Portfolio and Presentation	F0X7 35	8	8	1
Art and Design Context: Personal Investigation	F0MF 35	8	8	1

*Refer to History of Changes for revision changes.

For a candidate to achieve the HND Art Glass Production, they would require to attain all of the Mandatory Units (112 SCQF credit points/14 SQA credits) and Optional Units worth 128 SCQF credit points/16 SQA credits.

***Please see Addendum on page 7 in relation to Unit codes.**

5.1.1 Graded Units

All HNCs and HNDs include Group Award Graded Units. The purposes of the Graded Units are to:

- ◆ assess the candidate's ability to retain, integrate and reapply knowledge and/or skills gained in the identified underpinning mandatory Units
- ◆ grade candidate achievement in the Graded Unit — A, B or C
- ◆ assess whether candidates have met the principal aims of the Group Award

Candidates will complete one single credit Graded Unit at SCQF level 7 in an HNC (8 SCQF credit points) and an additional 2 credits of Graded Unit (s) at SCQF level 8 in an HND (16 SCQF credit points).

Both Graded Units are Project based Graded Units as they allow candidates to demonstrate their achievement of the principal aims of the Group Award(s) in a manner which is appropriate for the discipline. The choice of practical assignments involves candidates in the development of a range of valuable transferable skills, with candidates involved in planning, carrying out and evaluating the activity.

Core Skills Development

Candidates completing these awards will have the opportunity to develop Core Skills to the under noted levels:

HNC

Core Skill	SCQF level
Communication	5
Numeracy	5
Information Technology	5
Problem Solving	5
Working with Others	5

HND

Core Skill	SCQF level
Communication	6
Numeracy	6
Information Technology	6
Problem Solving	6
Working with Others	6

Both Graded Units embed the Core Skill of Problem Solving at SCQF level 5.

Further information on Units with embedded Core Skills and Core Skills signposting is given in Appendix 2 (Core Skills Mapping).

5.2 Mapping information

All the mandatory Units of the HNC and HND Art Glass Production have been mapped to the aims of the Group Awards. This information is contained in Appendix 1 (Relationship of Mandatory Units to Aims).

The Core Skills which are embedded and signposted in the mandatory and optional Units of both the HNC and the HND have been summarised, in Appendix 2 (Core Skills Mapping)

Links have been identified to relevant National and Scottish Vocation Qualifications (NVQ/SVQs). Although there is no direct match with the NVQ/SVQs, the content and competencies of the qualification have been taken into account when developing the HN Group Awards. Further information is given in Appendix 3 (Relationship to National Occupational Standards).

5.3 Articulation, professional recognition and credit transfer

5.3.1 Articulation

There are no formal articulation agreements in place for these Group Awards but there was a history of articulation into the second year of a variety of degree courses for the previous Group Awards. These arrangements were dealt with individually by centres and candidates. Entry qualifications and articulation requirements for degree courses vary significantly and centres should advise candidates to investigate articulation possibilities prior to choosing optional Units and to pay particular attention to any certificated Core Skills requirements of the degree course. Centres with existing articulation arrangements for the previous Group Awards with local universities are advised to revisit these arrangements.

5.3.2 Credit Transfer

It is recommended that current candidates whether part-time or full-time, who are in the process of completing the Group Awards developed using the 1988 design rules, complete the Group Award for which they were registered rather than switch to the Group Awards of HNC/HND Art Glass Production developed using the 2003 design principles. However, there may be occasions when it is not possible for candidates to complete the Group Award for which they were originally registered. In these cases Credit Transfer arrangements should be considered.

Candidates may be given credit transfer between HNC/HND Units (developed using 1988 design principles) and the new HNC/HND Units (developed using 2003 design principles). Credit transfer can be given where there is broad equivalence between the subject related content of the Unit (or combination of Units).

Credit Transfers will usually be between the HNC and HND Stained Glass Production Techniques validated in 1999 (under the 1988 design rules) and the HNC and HND Art Glass Production validated in 2007 (under the 2003 design principles) as well as between the HNC and HND Architectural and Decorative Glasswork validated in 1999 (under the 1988 design rules) and the HNC/HND Art Glass Production (validated under the 2003 design principles).

It is recommended that centres consult current SQA credit transfer arrangements and the guidance in Appendix 4 (Credit Transfer Arrangements) for Units in these Group Awards. This table has been compiled by an External Verifier after close scrutiny of the Units involved. Candidates who are given credit transfer between HN Units must still satisfy all other conditions of the HNC and HND Group Awards under the new principles, including achieving the mandatory Units and the correct number of credits at the correct SCQF level for each Group Award.

Credit transfer from a revised Unit developed under the 2003 design principles to a Unit developed under the 1988 design rules is also possible. This situation may arise if a candidate has achieved most of the Units for a Group Award framework developed under the 1988 design rules and wishes to complete the Group Award but is unable to undertake the Units because they are no longer delivered by the centre.

Centres require to:

- ◆ check that the framework and the Units are still current and have not lapsed.
- ◆ make arrangements for Merit. Under the 1988 design rules, candidates must be offered the opportunity to achieve merit in all Units. If there is broad equivalence between the Units (detailed in the Arrangements document — refer to Appendix 4) then the merit statement for the Unit developed under the 1988 rules should be scrutinised to ascertain whether it could be applied to the evidence generated from the Unit developed under the 2003 design principles. If the merit statement can be applied, then centres could deliver and assess the Unit devised under the 2003 design principles but register candidates for the Unit developed under the 1988 design rules.

5.4 Transition arrangements for Group Awards

It is anticipated that during the transition period that some candidates may wish to transfer from an old (1988) design rule HNC Stained Glass Production Techniques or HND Architectural and Decorative Glasswork into the new HND Art Glass Production (developed under the 2003 design principles). To facilitate this, it has been agreed that such candidates need only achieve the HND Graded Unit of 16 SCQF credit points at level 8, and that they are not required to also achieve the HNC Graded Unit of SCQF credit points at level 7.

The following arrangements show the alternative route to certification, which will **only** be available to candidates who have already completed a 'predecessor' HNC/first year HND and should **not** be offered to any new candidates. Candidates should:

- ◆ be given credit transfers between HNC/HND Units (developed using 1988 design rules) and the new HN Units (designed using 2003 designed principles)
- ◆ achieve a Graded Unit(s) of 16 SCQF credit points at level 8
- ◆ be given opportunities to develop Core Skills

Credit transfers can be given where there is broad equivalence between subject related content of the Unit (or combination of Units).

Candidates who are given credit transfer between current HNC/HND Units and the new HN Units must still satisfy all other conditions of award of the new principles HNC/HND including the mandatory Units and the correct number of credits at the correct SQCF level.

Core Skills may be achieved through completion of National Units containing Core Skills or by being assessed in the normal way against the Unit specifications in this award, which contain the Core Skill.

6 Approaches to delivery and assessment

An integrated the approach to delivery and assessment of these Group Awards should be adopted as the awards are aimed at integrating and developing the skills required by the art glass industry — design skills, high level craft skills, planning skills and project management skills. Research skills, analytical skills, communication and presentation skills will also be developed in the Group Awards and candidates will develop skills in working and co-operating with others, Numeracy and using IT applications.

The approach taken to developing Core Skills within the Group Awards is one of contextualising them within the art glass area. The Group Awards, with their wide choice of options allow both centres and candidates to choose options which reflect and develop their interests and chosen career paths.

6.1 Integration between Units

The approach taken in developing these Group Awards has been towards integration of Unit delivery and assessment. Possible project based or brief based groups of Units can be delivered at the discretion of individual centres. Where this approach is taken, centres should map assessment instruments used to Outcomes and Units and are advised to ensure that assessment evidence is retained until the last end date of the integrated Units. Some examples of integration are shown in the table below:

Unit title	Example of task or Unit which could be integrated
Glass Fusing Techniques F1X8 34	Kiln Preparation F1X6 33, Glass Slumping: An Introduction F1WV 34
Glass Moulding and Forming: An Introduction F1WP 34	Kiln Preparation F1X6 33, Fusing glass, using hand building techniques
Ceramics: Hand Built F1TR 34	Application of glazes, Kiln preparation F1X6 33, Glass Moulding and Forming: An Introduction F1WP 34
Glass: Gilding F1RV 34	Glass: Sandblasting F1RW 34
Art Glass: Acid Etching F1WX 34	Glass: Gilding F1RV 34
Glass in Concrete F1RS 34	Design Techniques
Glass Project F1TT 35	Design Techniques, Glass Fusing: An Introduction F1X7 33
Experimental Glass Design and Production F1W7 34	Glass Fusing: An Introduction F1X7 33 Glass: Flameworking Techniques F1RR 34
Glass Appliqué F1X0 34	Art Glass Production: UV Bonding Techniques F1WS 35

6.2 Suggested delivery patterns

Appendix 6 (Suggested Delivery Patterns) details possible delivery patterns. These include suggestions for both part-time and full-time provision. These suggested delivery patterns should not be seen as prescriptive but should be used as guides for delivering centres devising their own programmes.

The scheduling of the Graded Units is of particular importance as their placement in the academic year enables candidates to perfect their craft and design skills as well as develop their knowledge of different types of materials and techniques prior to undertaking these project-based Units.

6.3 Open Learning

The specialist Units in these Group Awards are not suitable for open learning. This is due to the specialist machinery and workshops required for the techniques used. In some outcomes, for example, aspects of research may be able to be undertaken away from the delivering centre. Where Units are delivered on an open learning basis, special arrangements would be required to ensure the authenticity of candidate's work.

Full details on the suitability of individual Units for Open Learning are contained in each Unit specification.

6.4 The Graded Units

The placement of the Graded Units in the overall delivery plan is an important aspect of course delivery. Candidates should be given the opportunity to develop their design skills as well as their knowledge of working with glass and developing their techniques before embarking on these project-based Graded Units. They should also gain experience in planning and organising project work.

In all cases it is recommended that the Graded Unit is introduced approximately half way through the course of study. The time spent delivering Graded Units is indicated in the delivery plans suggested in Appendix 6. Centres are advised to aim to complete the Graded Unit by the middle of May. This will leave the maximum time for candidates to build up their skills levels while also allowing sufficient time for reassessment.

The introduction of the Graded Unit puts a much greater emphasis on the role of the Course Team throughout the delivery process. Ideally the contribution of each Unit towards the Graded Unit should be communicated to candidates. Candidate progress in the contributing Units, included in the prior knowledge and skills section of the Graded Unit specification, should be closely monitored and discussed at Course Team meetings.

Marking schemes have an important contribution to play in the grading system and a good marking scheme will ensure that the whole process is transparent to all. Good practice would be to retain evidence of candidate work at different grades and use this as a point of reference for those new to marking the Graded Units. This information could be held digitally. All marking schemes should be discussed, clarified and agreed with internal verifiers.

6.5 Assessment strategy

There is a holistic approach to assessment is holistic within Units throughout these **Group Awards** although there are opportunities to integrate assessments between Units as indicated above in section 6.1. Where assessments are integrated between Units it is incumbent on the centre to map where each **Outcome** is overtaken and to ensure that all **Evidence Requirements** indicated in each Unit are met.

There is a wide variety of assessment instruments used throughout **these Group Awards**. Those used in the mandatory sections are shown in the table below.

Unit title	Code	Assessment
Glass Fusing Techniques	F1X8 34	Observed practical activity including calculations.
Glass Slumping: An Introduction	F1WV 34	Observed practical activity involved in producing glass artefacts as well as written firing schedules and sketched designs.
Leaded Glass Work	F1W1 34	Practical project involving the production of leaded glass work. Candidates will also respond to a series of related questions.

Unit title	Code	Assessment
Painting and Firing Stained Glass Panels	F1RP 34	Production of painted and stained glass panel and responses to 10 short answer questions.
Art Glass Production: Graded Unit 1	F2G6 34	Practical project
Glass Fusing: Advanced Techniques	F1W4 35	Research work, development of designs and samples and the production of fused glass artefacts.
Glass Painting: Advanced	F1WR 35	Production of samples of different techniques and accompanying tests recorded in log book. The production of a painted and fired glass panel.
Glass Slumping: Advanced Techniques	F1WW 35	Practical task including firing schedules and production of evidence of the development of appropriate designs.
Art Glass Production: Graded Unit 2	F2GL 35	Practical project

It is recommended that a week-by-week assessment schedule should be developed by each delivering centre prior to delivery to ensure that there is minimal bunching of assessments. The assessment schedule developed should include the optional Units chosen by the centre and should take into account serviced Units as well as those delivered within the art glass area.

The approach to Core Skills is one of development within the context of art glass production. Core Skills are signposted throughout the Group Awards and where they are embedded candidates will be certificated with the level indicated. Core Skills mapping is detailed in Appendix 2. In addition to the detail shown in each Unit, Core Skills can be developed and encouraged throughout delivery in the following ways:

- ◆ When a glass project which requires the candidate to work to a brief, is undertaken, candidates could be encouraged to work out costs of materials, and time taken to design and make the glass item as an integral part of the project. This would develop their numerical skills.
- ◆ Extending IT could be encouraged through the use of the internet for research, word processing the results of the research undertaken to facilitate easy searching, using digital images and digital cameras to record work in progress and use of CAD software to develop designs.
- ◆ As candidates will spend much of their time in an environment where they will have to share facilities, they should be encouraged to extend their skills in working with others. Co-operation and communication are essential aspects of sharing specialist machinery and equipment and working in an area which has health and safety considerations to take into account. In this area of work good housekeeping, eg dealing with hot glass, chemicals, waste materials and showing consideration for others would also be considered important.

- ◆ When candidates select one design solution, they could be asked to explain why they have rejected the other alternatives to develop their oral communications skills as well as their problem solving skills.

6.6 E-learning and e-assessment

Some aspects of the knowledge and understanding of the Units could be delivered using e-learning, in particular those aspects which require candidates to undertake research such as those which require candidates to research and develop designs or techniques or materials for example (F1X8 34) *Glass Fusing Techniques*, (F1W4 35) *Glass Fusing: Advanced Techniques*, (F1WV 34) *Glass Slumping: An Introduction*, (F1WW 35) *Glass Slumping: Advanced Techniques*. It would be impossible to assess most of these practically based Units using e-assessment as performance has to be observed.

Centres are encouraged to use Virtual Learning Environments (VLEs) for storing candidate notes and visuals and website addresses when building up their learning and teaching packs to accompany the Units. Both candidates and staff should be encouraged to use digital photography as a means of recording the development of finished glass items as well as the design process. Digital photography could be used by staff to set up archive materials.

6.7 Resource requirements

Staff delivering these Group Awards should be qualified in the area of glasswork or a related area and should be familiar and competent in the use of a wide range of glass working techniques as well as the design process.

Specialist rooms will be required for delivery of these Group Awards. Rooms will require adequate power supply and good ventilation as well as adequate and appropriate lighting.

Specialist studios suitable for hot and cold glass working processes should be available. Ideally there should be separate areas for different processes. There should also be a metal locking storage facility for chemicals. It is recommended that studios/workshops should be checked on an ongoing basis for compliance with COSHH requirements.

The following should also be available:

- ◆ Sufficient storage areas for materials and partly finished candidate work
- ◆ Kiln facilities
- ◆ Wet areas
- ◆ Dry areas
- ◆ Work benches
- ◆ Self contained sandblasting equipment
- ◆ Supplies of protective clothing for processes used
- ◆ Cold working glass machinery such as polishing machines, grinders, drills, saws
- ◆ Oxy/fuel gas supplies if required
- ◆ Kettles, microwaves and fridges

Candidates will also require access to IT equipment such as digital cameras, computers, scanners, printers, colour printers, CAD software, presentation software, word processing software and data projectors.

7 General information for centres

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).

Internal and external verification

All instruments of assessment used within this/these Group Award(s) should be internally verified, using the appropriate policy within the centre and the guidelines set by SQA.

External verification will be carried out by SQA to ensure that internal assessment is within the national guidelines for these qualifications.

Further information on internal and external verification can be found in *SQA's Guide to Assessment and Quality Assurance for Colleges of Further Education* (www.sqa.org.uk).

8 General information for candidates

The HNC and HND in Art Glass Production have been designed for those wishing to follow a career in creating Art Glass. Both Group Awards have been designed to be flexible enough to meet the needs of employers and to allow you, the candidate, to specialise in your area of interest and may enable you to articulate to university

If you study the HNC on a full-time basis it will take approximately one academic year and you will have to successfully complete 12 SQA credits (96 SCQF credit points). The HND will usually be studied full time over two academic years. You will need to achieve 30 SQA credits (240 SCQF credit points) for the HND qualification.

Each Group Award has a mandatory section which covers the topics essential to a career in art glass. Each Group Award also has a number of optional Units which may vary from centre to centre and you should discuss your choice of options with your Course Tutor bearing in mind what you want to do after you complete your HNC or HND.

Who should apply for this course?

This course would best suit those:

- ◆ who are creative and enjoy practical tasks and design and production activities
- ◆ who already have NVQ/SVQ or SQA or similar certification at NC level, SCQF level 5 or 6
- ◆ who wish to work in the art glass industry
- ◆ employees working in the glass industry
- ◆ mature candidates seeking a career change.

Staff in colleges will usually interview course applicants to discuss their application and consider any support needs they might have.

What kind of study is involved?

Both the HNC and the HND Group Awards comprise a series of SQA Higher National Units. The content of each Unit will be delivered through a series of practical workshops and activities, and lectures. These Units will be assessed and marked within the college and externally verified by SQA. You will be assessed using different kinds of assessment tasks, eg Practical tasks such as designing and making a glass item, keeping technical notes, researching information or answering set questions. Some Units may be assessed in an integrated way. You will be expected to hand in work to meet set deadlines and meeting these deadlines is an essential element of this kind of study.

As part of both the HNC and the HND you have to undertake a Graded Unit designed to integrate the knowledge and skills you have learnt in the individual Units undertaken. Both Graded Units are practical tasks — projects. You will be graded on your submission for these Units and will receive an A, B or C grade if you pass the Unit.

During your studies you will also develop skills in :

- ◆ organising
- ◆ communicating
- ◆ researching
- ◆ critical thinking
- ◆ decision making
- ◆ evaluating results of practical activities
- ◆ working and co-operating with others

The main topics of study include:

- ◆ practical glass skills
- ◆ design
- ◆ use of IT
- ◆ project work

What can I do after the HNC/HND?

The content of these Group Awards reflects the diverse aspects of art glass industry and the choice of specific options will give you the underpinning knowledge and skills necessary for working in the art glass industry or progressing to university. If you want to articulate to university, you should check if the universities to which you will apply have any preferred Units for articulation. Different universities have different requirements. For example you might be asked to undertake a portfolio-building Unit and to include a Communication Unit. If you intend to become self employed you should consider Units like (F03K 33) *Job Costing and Business Calculations*, (DK2M 34) *Personal Enterprise Skills* and (DK2K 34) *Getting Started in Business*. Otherwise you should choose Units which suit your intended area of employment.

9 Glossary of terms

SCQF: This stands for the Scottish Credit and Qualification Framework, which is a new way of speaking about qualifications and how they inter-relate. We use SCQF terminology throughout this guide to refer to credits and levels. For further information on the SCQF visit the SCQF website at www.scqf.org.uk

SCQF credit points: One HN credit is equivalent to 8 SCQF credit points. This applies to all HN Units, irrespective of their level.

SCQF levels: The SCQF covers 12 levels of learning. HN Units will normally be at levels 6–9. Graded Units will be at level 7 and 8.

Subject Unit: Subject Units contain vocational/subject content and are designed to test a specific set of knowledge and skills.

Graded Unit: Graded Units assess candidates' ability to integrate what they have learned while working towards the Units of the Group Award. Their purpose is to add value to the Group Award, making it more than the sum of its parts, and to encourage candidates to retain and adapt their skills and knowledge.

Dedicated Core Skill Unit: This is a Unit that is written to cover one or more particular Core Skills, eg HN Units in Information Technology or Communications.

Embedded Core Skills: This is where the development of a Core Skill is incorporated into the Unit and where the Unit assessment also covers the requirements of Core Skill assessment at a particular level.

Signposted Core Skills: This refers to the opportunities to develop a particular Core Skill at a specified level that lie outwith automatic certification.

Qualification Design Team: The QDT works in conjunction with a Qualification Manager/Development Manager to steer the development of the HNC/D from its inception/revision through to validation. The group is made up of key stakeholders representing the interests of centres, employers, universities and other relevant organisations.

Consortium-devised HNCs and HNDs are those developments or revisions undertaken by a group of centres in partnership with SQA.

Specialist single centre and specialist collaborative devised HNCs and HNDs are those developments or revisions led by a single centre or small group of centres who provide knowledge and skills in a specialist area. Like consortium-devised HNCs and HNDs, these developments or revisions will also be supported by SQA.

10 Appendices

Appendix 1: Relationship of Mandatory Units to Aims

Appendix 2: Core Skills Mapping

Appendix 3: Relationship to National Occupational Standards

Appendix 4: Credit Transfer Arrangements

Appendix 5: Transition Frameworks

Appendix 6: Suggested Delivery Patterns

Appendix 1: Relationship of Mandatory Units to Aims

Unit title	Code	Aims
Glass Fusing Techniques	F1X8 34	(2.1) 1, 3, 4, 5. (2.2) 7, 10.
Glass Slumping: An Introduction	F1WV 34	(2.1) 1, 3, 4, 5 (2.2) 7, 10.
Leaded Glass Work	F1W1 34	(2.1) 6 (2.2) 10.
Painting and Firing Stained Glass Panels	F1RP 34	(2.1) 1, 2, 4, 5. (2.2) 7, 8, 10.
Art Glass Production: Graded Unit 1	F2G6 34	(2.1) 2, 3, 4. (2.2) 9, 10.
Glass Fusing: Advanced Techniques	F1W4 35	(2.3) 12, 13, 14. (2.4) 15, 16, 17, 18.
Glass Painting: Advanced	F1WR 35	(2.3) 12, 13, 14. (2.4) 15, 16, 17, 18.
Glass Slumping: Advanced Techniques	F1WW 35	(2.3) 12, 13, 14. (2.4) 15, 16, 17, 18.
Art Glass Production: Graded Unit 2	F2GL 35	(2.3) 11, 13. (2.4) 15, 16, 17, 18.

Appendix 2: Core Skills Mapping

HNC/HND Art Glass Production

Unit No	Unit title	Written Comms - Reading	Written Comms - Writing	Oral Comms	Using Graphical Info	Using Number	Using IT	Problem Solving – C T	Problem Solving – P & O	Problem Solving – R & E	WVO
F1WX 34	Art Glass: Acid Etching							level 5 S	level 5 S	level 5 S	level 5 S
F1RT 34	Glass: Copper Foil Work							level 5 S	level 5 S	level 5 S	level 5 S
D69C 35	Jewellery: Enamelling	No Core Skills indicated in this levelled Unit will be replaced by new Unit when available from Jewellery development									
F1RV 34	Glass: Gilding							level 5 S	level 5 S	level 5 S	level 5 S
F1X0 34	Glass Applique				level 5 S	level 5 S		level 5 S	level 5 S	level 5 S	
F1W3 35	Glass Flameworking: Advanced Techniques						level 5 S	level 6 S	level 6 S	level 6 S	level 6 S
F1RR 34	Glass: Flameworking Techniques							level 5 S	level 5 S		level 5 S
F1X8 34	Glass Fusing Techniques					level 5 S		level 5 S	level 5 S	level 5 S	level 5 S
F1W4 35	Glass Fusing: Advanced Techniques					level 6 S	level 5 S	level 6 S	level 6 S	level 6 S	level 6 S
F1X7 33	Glass Fusing: An Introduction							level 6 S	level 6 S	level 6 S	level 5 S
F1RS 34	Glass in Concrete							level 5 S	level 5 S	level 5 S	level 5 S
F1WP 34	Glass Moulding and Forming: An Introduction							level 5 S	level 5 S	level 5 S	
F1WR 35	Glass Painting: Advanced	level 6 S	level 6 S	level 6 S	level 6 S	level 6 S		level 6 S	level 6 S	level 6 S	level 6 S

Unit No	Unit title	Written Comms - Reading	Written Comms - Writing	Oral Comms	Using Graphical Info	Using Number	Using IT	Problem Solving – C T	Problem Solving – P & O	Problem Solving – R & E	WWO
F1WW 35	Glass Slumping: Advanced Techniques					level 6 S		level 6 S	level 6 S	level 6 S	
F1WV 34	Glass Slumping: An Introduction					level 5 S		level 5 S	level 5 S	level 5 S	
F1WY 34	Art Glass: Glue Chipping of Glass					level 5 S					
F2G6 34	Graded Unit 1	level 5 S	level 5 S	level 5 S		level 5 S	level 5	level 5 E	level 5 E	level 5 E	
F2GL 35	Graded Unit 2	level 6 S	level 6 S	level 6 S	level 6 S	level 6 S	level 6 S	level 5 E	level 5 E	level 5 E	
F1X6 33	Kiln Preparation	level 5 S	level 5 S	level 5 S				level 5 S	level 5 S	level 5 S	
F1W1 34	Leaded Glass Work				level 5 S	level 5 S		level 5 S	level 5 S	level 5 S	level 5 S
F1RP 34	Painting and Firing Stained Glass Panels				level 5 S	level 5 S		level 5 S	level 5 S	level 5 S	level 6 S
F1RW 34	Glass: Sandblasting							level 5 S	level 5 S	level 5 S	level 5 S
F1WS 35	Art Glass Production: UV Bonding					level 5 S		level 5 S	level 5 S	level 5 S	
F1W2 35	Art Glass: Warm Glass Casting					level 6 S	level 5 S	level 6 S	level 6 S	level 6 S	level 6 S
DE1K 33	Workplace communication in English	level 5E	level 5E	level 5E							
DV5R 34	Art and Design Context	level 6 S	level 6 S	level 6 S			level 6 S				
DV5T 34	Art and Design Creative Process	level 6 S	level 6 S	level 6 S			level 6 S	level 6 S	level 6 S	level 6 S	
DV5W 34	Art and Design Project	level 6 S	level 6 S	level 6 S	level 6 S	level 6 S	level 6 S	level 6 S	level 6 S	level 6 S	level 6 S
F0MM 35	Art and Design Working with a Client	level 6 S	level 6 S	level 6 S				level 6 S	level 6 S	level 6 S	level 6 S

Unit No	Unit title	Written Comms - Reading	Written Comms - Writing	Oral Comms	Using Graphical Info	Using Number	Using IT	Problem Solving – C T	Problem Solving – P & O	Problem Solving – R & E	WWO
F1XX 35	Ceramic Moulds for Glass Forming							level 6 S	level 6 S		
F1TR 34	Ceramics: Hand Built							level 6 S	level 6 S	level 6 S	
DE3N 34	Communication: Analysing and Presenting Complex Communication	level 6 E	level 6 E	level 6 E							
DV60 34	Digital Imaging						level 6 S	level 6 S	level 6 S	level 6 S	
F1W7 34	Experimental Glass Design and Production						level 5 S	level 6 S	level 6 S	level 6 S	
DK2K 34	Getting Started in Business	Core Skills not noted									
F1TT 35	Glass Project		level 6 S	level 6 S			level 6 S	level 6 S	level 6 S		
F03K 33	Job Costing and Business Documents	level 5 S	level 5 S	level 5 S	level 5 E	level 5 E					
DE3R 34	Personal Development Planning	Core Skills not noted									
DK2M 34	Personal Enterprise Skills	Core Skills not noted									
DV9C 34	Portfolio Production	level 6 S	level 6 S	level 6 S			level 6 S	level 6 S	level 6 S	level 6 S	
D85F 34	Using Software Application Packages						Level 5 E				
<p>S for signposted and E for Embedded 5 or 6 indicates the level of Core Skills being developed or embedded</p>											

Appendix 3: Relationship to National Occupational Standards

Glass Processing SVQs are available at levels 2 and 3 (G7EY 22 and G7EW 23). The content of the Units in these awards have been incorporated within the practical Units in the awards.

The Glass Qualifications Authority in conjunction with City and Guilds offer the Glass Processing SVQ/NVQs in England and Wales but there are no colleges at present offering these awards in Scotland.

List of Units within G7EY 22

Mandatory Units (all three Units to be taken)

- Unit 1 Maintain health and safety within the working environment
- Unit 2 Contribute to the work of others
- Unit 3 Handle materials

Optional Units (any four Units to be taken)

- Unit 4 Prepare and operate equipment
- Unit 5 Check the quality of products
- Unit 6 Process products and materials by applying heat
- Unit 7 Process products and materials by cutting
- Unit 8 Process products and materials by shaping
- Unit 9 Process products and materials by assembly
- Unit 10 Process products and materials by applying coatings or treatments
- Unit 11 Decorate glass products by removing material
- Unit 12 Decorate glass products by applying additional material
- Unit 13 Prepare products for storage and delivery
- Unit 14 Transport products and materials
- Unit 15 Store products and materials

List of Units within G7EW 23

Mandatory Units (all five Units to be taken)

- Unit 1 Promote and maintain health and safety within the working environment
- Unit 2 Improve the work of the organisation
- Unit 3 Assess the quality of glass-related materials
- Unit 4 Diagnose and rectify technical problems
- Unit 5 Plan the use of resources to meet work requirements

Optional Units (any two Units from Group 1, plus any two Units from Group 2)

Group 1

- Unit 6 Develop new work procedures
- Unit 7 Set up equipment for operations
- Unit 8 Process complex products and materials
- Unit 9 Decorate complex glass products
- Unit 10 Control glass processing operations
- Unit 11 Maintain and improve hygiene in glass production

Group 2

- Unit 12 Process products and materials by applying heat
- Unit 13 Process products and materials by cutting
- Unit 14 Process products and materials by shaping
- Unit 15 Process products and materials by assembly
- Unit 16 Process products and materials by applying coatings or treatments
- Unit 17 Decorate glass products by removing material
- Unit 18 Decorate glass products by applying additional material
- Unit 19 Prepare products for storage and delivery
- Unit 20 Transport products and materials
- Unit 21 Store products and materials
- Unit 22 Anneal glass products and materials

Appendix 4: Credit Transfer Arrangements

Old Unit title	Unit code	New Unit title	Unit code	Comments
Architectural and Decorative Glasswork: Design and Manufacture of Copper Foil Stained Glass Panel	D28W 04	Glass: Copper Foil Work	F1RT 34	Full Credit Transfer
Embossing: Acid Etching and Gilding	A6V6 04	Art Glass: Acid Etching	F1WX 34	Full Credit Transfer
Faceted Stained Glass: Dalles de Verre	A6V9 04	Glass in Concrete	F1RS 34	Full Credit Transfer
Painting Staining and Firing Glass	A6V7 04	Painting and Firing Stained Glass Panels	F1RP 34	Full Credit Transfer
Stained Glass in Concrete	A6V8 04	Glass in Concrete	F1RS 34	Full Credit Transfer
Architectural and Decorative Glasswork: Glue Chip on Glass	D28Y 04	Art Glass: Glue Chipping of Glass	F1WY 34	Full Credit Transfer
Architectural and Decorative Glasswork: Glass Slumping	D29A 04	Glass Slumping: An Introduction	F1WV 34	Full Credit Transfer
Architectural and Decorative Glasswork: Glass Fusing	D29B 04	Glass Fusing Techniques	F1X8 34	Full Credit Transfer
Architectural and Decorative Glasswork: Warm Glass Manufacture	D29C 04	Art Glass: Warm Glass Casting	F1W2 35	Full Credit Transfer
Architectural and Decorative Glasswork: Glass Tesserae Mosaic	D29D 04	Glass Appliqué	F1X0 34	Full Credit Transfer
Architectural and Decorative Glasswork: Warm Glass Casting	D29E 04	Art Glass: Warm Glass Casting	F1W2 35	Full Credit Transfer
Architectural and Decorative Glasswork: Manufacture of Leaded Glass Panel	D28X 04	Leaded Glass Work	F1W1 34	Full Credit Transfer
Decorative Glasswork: Introduction to Glass Fusing	D5NY 04	Glass Fusing Techniques	F1X8 34	Full Credit Transfer
Painting, Staining and Firing Glass	A6V7 04	Painting and Firing Stained Glass Panels	F1RP 34	Full Credit Transfer
Embossing: Acid Etching and Gilding	A6V6 04	Art Glass: Acid Etching	F1WX 34	Full Credit Transfer
Decorative Glasswork: Introduction to Moulding and Forming	D5P0 04	Glass: Moulding and Forming: An Introduction	F1WP 34	Full Credit Transfer
Glass Painting: Advanced Techniques	D67C 04	Glass Painting: Advanced	F1WR 35	Full Credit Transfer
Stained Glass Production Techniques: Introduction to Lampworking	D68L 04	Glass: Flameworking Techniques	F1RR 34	Full Credit Transfer

Appendix 5: Transition Frameworks

Transition frameworks are detailed below.

A candidate who has completed an HNC Architectural and Decorative Glasswork will have completed the following mandatory Units.

Old Unit title	Unit code	No of SQA credits
Architectural and Decorative Glasswork: Design and Manufacture of Copper Foil Stained Glass Panel	D28W04	1
Embossing: Acid Etching and Gilding	A6V6 04	3
Faceted Stained Glass: Dalles de Verre	A6V9 04	1
Painting, Staining and Firing Glass	A6V7 04	2
Stained Glass in Concrete	A6V8 04	1
Design Studies	A4XT 04	1
Introduction to CAD for Construction	D60B 04	1
Communication: Practical Communication Skills for the Workplace	D5P2 33	1

and one Unit from the following optional Units

Old Unit title	Unit code	No of SQA credits
Architectural and Decorative Glasswork: Glue Chip; on Glass	D28Y 04	1
Photography 1: An Introduction for Design Students	A5YF 04	1
Drawing: Freehand	A6PR 04	1
Drawing for Design	A61E 04	1
Or one from the following two Units		
History of Design 1820 – Present	A6YW 04	1
History of Design 1	A1H0 04	1

For a candidate who has completed a 12 credit HNC Architectural and Decorative Glasswork (1999) to complete an HND Art Glass Production, the candidate would have to complete the following mandatory Units at SCQF level 8.

- F1W4 35 *Glass Fusing: Advanced Techniques*
- F1WR 35 *Glass Painting: Advanced*
- F1WW 35 *Glass Slumping: Advanced Techniques*
- F2GL 35 *Art Glass Production: Graded Unit 2*

and an appropriate number of optional Units to make up 240 SCQF points (30 SQA credits).

A candidate who has completed an HNC Stained Glass Production Techniques will have completed the following mandatory Units.

Old Unit title	Unit code	No of SQA credits
Stained Glass in Concrete	A6V8 04	1
Painting, Staining and Firing Glass	A6V7 04	2
Embossing: Acid Etching and Gilding	A6V7 04	3
Decorative Glasswork: Introduction to Glass Fusing	D5NY 04	3
Decorative Glasswork: Introduction to Moulding/Forming	D5P0 04	1

1 credit from the following optional Units

Communication: Selecting and Presenting Complex Information	A0X9 04	1
Communication: Using Communication Media for Vocational Purposes	A2HL 04	1
Communication 2: Selecting and Producing Complex Communication Media	A2A4 04	1
Communication: Presenting Complex Communication for Vocational Purposes	D5P3 34	1
Communication: Developing a Communication Strategy for Vocational Purposes	D5P4 04	1

and 1 credit from the following optional Units

Production Control	D4KX 04	1
Cost Control: Manufacture and Process	A3LF 04	1
Economics of Manufacture	D4GL 04	1
History of Design 1	A1H0 04	1

For a candidate who has completed a 12 credit HNC Stained Glass Production Techniques (1999) to complete an HND Art Glass Production, the candidate would have to complete the following mandatory Units at SCQF level 8.

F1W4 35 *Glass Fusing: Advanced Techniques*
 F1WR 35 *Glass Painting: Advanced*
 F1WW 35 *Glass Slumping: Advanced Techniques*
 F2GL 35 *Art Glass Production: Graded Unit 2*

and an appropriate number of optional Units to make up 240 SCQF points (30 SQA credits).

For both sets of transition arrangements each candidate should be advised individually and an individual learning plan set up to take account of the candidate's needs and entry profile and any credit transfers required.

Transition frameworks will be set up to take account of this information.

Appendix 6: Suggested Delivery Patterns

Name of course: HNC Art Glass Production/1st year HND Art Glass Production

Mode of study: Full-time

Unit No	Unit title	SCQL level	No of credits	Hours per block		
				Block 1	Block 2	Block 3
F1X6 33	Kiln Preparation	6	1	36		
F1X7 33	Glass Fusing: An Introduction	7	1	36		
F1X8 34	Glass Fusing Techniques	7	1	36		
F1WV 34	Glass Slumping: An Introduction	7	1	36		
F1WP 34	Glass Moulding and Forming: An Introduction	7	1	36		
F1RP 34	Painting and Firing Stained Glass Panels	7	2		72	
F1TR 34	Ceramics Hand Built	7	1		36	
	Option of choice	7	1		36	
F1WF 34	Experimental Glass Design and Production	7	1		24	12
F1RV 34	Glass: Gilding	7	1			36
F1RR 34	Glass: Flameworking Techniques	7	1			36
F1RW 34	Glass: Sandblasting	7	1			36
F1W1 34	Leaded Glass Work	7	1			36
F2G6 34	Graded Unit 1	7	1		12	24
Totals			15	180	180	180

Name of course: HNC Art Glass Production

Year of study: 1st Year

Mode of study: Part-time

Unit No	Unit title	SCQF level	No of credits	Hours per block		
				Block 1	Block 2	Block 3
F1X6 33	Kiln Preparation	6	1	36		
F1X7 33	Glass Fusing: An Introduction	7	1	36		
F1RP 34	Painting, and Firing Stained Glass Panels	7	2		72	
F1WP 34	Glass Moulding and Forming: An Introduction	7	1			36
F1W1 34	Leaded Glass Work	7	1			36
Totals			6	72	72	72

Name of course: HNC Art Glass Production

Year of study: 2nd Year

Mode of study: Part-time

Unit No	Unit title	SCQF level	No of credits	Hours per block		
				Block 1	Block 2	Block 3
F1WV 34	Glass Slumping: An Introduction	7	1	36		
F1X8 34	Glass Fusing Techniques	7	1	36		
F1RW 34	Glass: Sandblasting	7	1		36	
F1RR 34	Glass: Flameworking Techniques	7	1		36	
F1W7 34	Experimental Glass Design and Production	7	1		12	24
F2G6 34	Graded Unit 1	7	1		12	24
Totals			6	72	72	72

Name of course: HND Art Glass Production Year 2

Mode of study: Full-time

Unit No	Unit title	SCQF level	No of credits	Hours per block		
				Block 1	Block 2	Block 3
F1W4 35	Glass Fusing: Advanced Techniques	8	2	72		
F1WW 35	Glass Slumping: Advanced Techniques	8	2	72		
F1RV 34	Glass: Gilding	8	1	36		
F1W3 35	Glass Flameworking: Advanced Techniques	8	2		60	12
F1WR 35	Glass Painting Advanced	8	2		60	12
F1TT 35	Glass Project	8	1		36	
F1XX 35	Ceramic Moulds for Glass Forming	8	2			72
F1RT 34	Glass: Copper Foil Work	8	1			36
F2GL 35	Art Glass Production: Graded Unit 2	8	2		24	48
Totals			15	180	180	180