

SQA Advanced Unit specification

General information for centres

Unit title: Glass Project

Unit code: HT5D 48

Unit purpose: This Unit is designed to enable candidates to produce glass pieces and enhance candidates' development of a personal style. Candidates will select a style of glass and, use their visual investigation to inform the development of design ideas for their own piece of glass.

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

- 1 Research and investigate styles and designs for a piece of glass
- 2 Develop designs for a piece of glass
- 3 Produce and present a piece of glass

Credit points and level: 1 SQA credit at SCQF level 8 (8 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 National 1 to Doctorates.*

Recommended prior knowledge and skills: Access to this Unit is at the discretion of the centre. Candidates should have an understanding of design process having completed SQA Advanced Units in Art and Design or have similar qualifications or experience. These may include 2D/3D processes, glass design, drawing skills, sketchbook preparation, new media and illustration techniques.

Core Skills: There are opportunities to develop the Core Skills of Problem Solving, Communication and Information technology 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.

Assessment: The Unit could be assessed by a single instrument, which would require candidates to produce research, develop designs, produce a finished piece of glass and keep a technical logbook of processes.

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SQA Advanced 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.

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

Research and investigate styles and designs for a piece of glass

Knowledge and/or skills

- ◆ Research skills
- ◆ Techniques and materials
- ◆ Reflective practices
- ◆ Use of tools and production methods
- ◆ Logging of production methods
- ◆ Problem solving skills
- ◆ Health and safety

Evidence Requirements

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

- ◆ Investigate designs, styles and techniques for a piece of glass
- ◆ Produce sample pieces that show exploration of techniques and materials
- ◆ Use tools and materials in accordance with current health and safety requirements
- ◆ Produce a logbook of production processes

Evidence should be presented in the form of a sketchbook/folio of sources and ideas, accompanied by a collection of sample pieces that show exploration of ideas and techniques.

Assessment guidelines

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

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Tutors could supply a brief for candidates to work to. This may include guidance on suitable source material, examples of techniques to explore and timelines for the key stages of the design process. However, it is recommended that the candidates produce their own design brief in consultation with the tutor. The design brief should include consideration of the intended site, purpose, and audience for presentation purposes.

Outcome 2

Develop designs for a piece of glass

Knowledge and/or skills

- ◆ Design process
- ◆ Reflective practice and evaluation
- ◆ Materials and techniques
- ◆ Use of tools and production methods
- ◆ Safe working practices

Evidence Requirements

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

- ◆ Use visual investigation to inform the development of design ideas and samples
- ◆ Develop designs for a piece of glass that shows a personal interpretation of research material
- ◆ Evaluate design concepts in terms of their suitability for development into a final piece
- ◆ Use safe and considerate studio working practices

Evidence should be presented in the form of a sketchbook/folio/collection of developmental work with accompanying annotations or commentary.

Assessment guidelines

It is recommended that the assessment of this Outcome be combined with Outcome 1 and 3 as part of a holistic assessment.

Evidence of evaluation of the design process could also be presented in the form of recorded class/individual critiques where candidates can give clear justification for their selection of a design for final production.

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Outcome 3

Produce and present a piece of glass

Knowledge and/or skills

- ◆ Problem solving skills
- ◆ Illustration and rendering
- ◆ Materials and techniques
- ◆ Production methods
- ◆ Use of tools and equipment
- ◆ Two and three dimensional presentation
- ◆ Safe working practices

Evidence Requirements

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

- ◆ Produce a piece of glass
- ◆ Apply finishing processes
- ◆ Present a finished piece of glass
- ◆ Produce a technical description of the processes used in the production of the finished piece
- ◆ Use selected techniques and materials
- ◆ Use safe and considerate working practices

Evidence should be presented in the form of a final piece of glass, a technical logbook and an illustration of the final piece.

Assessment guidelines

It is recommended that this Unit is assessed with one holistic assessment and that the entire body of work produced for the Unit is presented on completion of all Outcomes.

It is recommended that the finished piece be recorded in digital or illustrative format for portfolio submission. The presentation of the finished piece of glass should take into consideration the requirements specified in the design brief.

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Administrative Information

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Unit title: Glass Project
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SQA Advanced Unit specification: support notes

Unit title: Unit title: Glass Project

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

If appropriate, tutors should supply notes on glass firing programmes, explaining key stages in the heating phases of glass.

Candidates should produce a body of research material and exploratory work that shows a thorough investigation of chosen style, designs and processes. This research will be used to influence final designs. Work produced should clearly show development from original source material.

Candidates could select drawings, sketches from other areas of their course such as life drawings, observational or development drawings or mixed media work, and use these as a starting point for development of ideas and concepts for glass pieces. The development of designs should show considered selection of the materials and understanding of techniques to be used. Where a kiln has been used in the production of glass samples, candidates should keep a firing log and notes of the techniques and materials used. A selection of different glass fusing, slumping, painting and casting techniques could be used in the production of samples. Candidates should have an understanding of all the processes involved, which may include kiln and shelf preparation, firing programmes and annealing temperatures of glass. Exploration of media and materials should be encouraged throughout, with tutors supporting candidates in their creative exploration.

Candidates should present development and final designs in sketchbooks or as a folio of developments. This should be accompanied by experimental sample pieces and the final finished piece. It would also be advisable for candidates to photograph three-dimensional work as part of their logbook or sketchbook.

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

Guidance on the delivery and assessment of this Unit

This Unit has been developed as part of the SQA Advanced Diploma Art and Design Group Award. It is recommended that it should be taught and assessed within the subject area of the Group Award to which it contributes. Opportunities may be taken to link or integrate with other aspects of the course and a thematic approach adopted for both delivery and assessment.

It is recommended that the Unit be assessed via holistic assessment at the end of the Unit. This will allow the assessor to examine evidence of the complete design process from selection of initial sources to final production.

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In Outcome 1 candidates will investigate styles and ideas that can inform their development of ideas for a finished piece of glass. Source material and preliminary drawings should show a progressive development of styles and ideas. Experimental samples should relate clearly to preliminary sketches and show considered use of materials. Candidates should keep a log of how any glass samples were produced.

Having investigated source material, candidates should select ideas and develop concepts for a final piece of glass for Outcome 2. At this stage, candidates should show the ability to critically reflect on the success or otherwise of their concepts and show that they can make reasoned selections of ideas to take forward to make a final piece. To reinforce any evidence gathered during a critique, annotations to sketchbook work should be encouraged.

Final pieces of glass should demonstrate clear stylistic links with all development stages. An illustration should be produced as an accompaniment to the final piece for presentation in Outcome 3. This should be of presentation standard. Candidates should keep a log of the processes used in the production of their final piece.

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

Opportunities for developing Core Skills

All elements of the Core Skill of Problem Solving should be naturally developed and enhanced as candidates undertake the complete design process from selection of initial sources to final production of a piece of glass. Before producing preliminary drawings and experimental samples they conduct personal research into styles and ideas, evaluating a range of complex paper and web based information. Consideration of technical and construction issues, materials, equipment and creative techniques may be formalised in a written plan and include a risk assessment. Progressive development of styles and ideas while working within constraints of time and budget and observing health and safety factors will further develop skills in problem solving. Annotation in notebooks should involve reflective evaluation of techniques and processes used. Presentation of the finished piece of glass will further reinforce analytical skills.

There are opportunities to develop oral and written communication skills in a work context. Technical descriptions of brief and process should be presented clearly and coherently, and spelling, punctuation and professional terminology should follow accepted conventions. Two- and three-dimensional digital presentation could enhance communication and technology skills to professional standards. Candidates could practise oral skills in a working environment, discussing ideas with others. As work is presented they should be encouraged to use effective verbal and non-verbal techniques to demonstrate understanding and to respond confidently to comments and questions.

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Open learning

The practical nature of this Unit would make it difficult to deliver via open learning. Although the planning and evaluative stages could be delivered in this way, it would require a considerable degree of planning by the centre to ensure the sufficiency and authenticity of candidates' evidence.

For further information and advice please refer to the SQA document *Assessment and Quality Assurance for Open and Distance Learning* which is available on SQA's website: **www.sqa.org.uk**.

Equality and inclusion

This unit specification has been designed to ensure that there are no unnecessary barriers to learning or assessment. The individual needs of learners should be taken into account when planning learning experiences, selecting assessment methods or considering alternative evidence.

Further advice can be found on our website www.sqa.org.uk/assessmentarrangements.

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General information for candidates

Unit title: Glass Project

This Unit will allow you to extend your skills and knowledge through the exploration of ideas, development of concepts and production of designs and presentation of glasswork.

There are three Outcomes in this Unit.

For Outcome 1 you will investigate various styles of glass design. From these investigations you will produce sketches and sample pieces that show exploration of a range of techniques and keep a record of how these were produced. To assist you with this process, you will work with a design brief. The design brief may be produced by your tutor or be self-initiated.

For Outcome 2 you will go on to develop your ideas and concepts for a final piece of glass. You will evaluate the success of your developments and give reasons for the selection of the design that you have chosen to make into a finished piece of glass.

In Outcome 3 you will construct a finished piece of glass. This piece will be based on the final concept that you produced in Outcome 2. You will record the way the piece was produced and present your finished piece.

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

The Unit will also provide you with opportunities to develop a number of Core Skills, which includes Problem Solving (Planning and Organising, Critical Thinking), Oral/Written Communication and IT Skills.