



National Unit specification: general information

Unit title: Creative Printmaking with Photography: Single Colour Lithography (SCQF level 6)

Unit code: FR0H 12

Superclass: KH

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Summary

The purpose of this Unit is to enable the candidate to develop an understanding of the lithographic printing process. The candidate will develop knowledge and skills in preparing and producing single colour images for the lithographic printing process. On completion of this Unit, candidates will be able to prepare images, produce prints and review the quality of finished prints.

This is an optional Unit within the National Certificate in Screen Printing (SCQF level 6) and the National Certificate in Creative Printmaking with Photography (SCQF level 6) but can also be taken as a freestanding Unit.

This Unit is suitable for candidates who:

- ◆ are undertaking a programme in the printmaking process or any other print related course
- ◆ want to develop their skills in producing and printing single colour lithographic images

Outcomes

- 1 Describe the lithographic printing process.
- 2 Select and prepare images suitable for single colour lithographic printing.
- 3 Produce single colour lithographic prints.
- 4 Review the quality of finished prints.

Recommended entry

While access is at the discretion of the centre, it is envisaged that candidates may have progressed from a foundation level course in print related disciplines.

National Unit specification: general information (cont)

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Credit points and level

1 National Unit 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.*

Core Skills

Achievement of this Unit gives automatic certification of the following Core Skills component:

- ◆ Critical Thinking at SCQF level 6

There are also opportunities to develop aspects of Core Skills which are highlighted in the Support Notes of this Unit specification.

National Unit specification: statement of standards

Unit title: Creative Printmaking with Photography: Single Colour Lithography (SCQF level 6)

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 the lithographic printing process.

Performance Criteria

- (a) Describe the stages involved in the lithographic printing process.
- (b) Describe the principles of image transfer for the lithographic printing process.
- (c) Describe health and safety requirements for safe work in a lithographic printing environment.

Outcome 2

Select and prepare images suitable for single colour lithographic printing.

Performance Criteria

- (a) Research and collate suitable image types in response to a given brief.
- (b) Select and prepare images suitable for single colour lithographic printing.
- (c) Produce final images on image carriers suitable for lithographic printing.

Outcome 3

Produce single colour lithographic prints.

Performance Criteria

- (a) Demonstrate safe and effective use of lithographic printing equipment and materials.
- (b) Produce prints of a single colour litho image.

Outcome 4

Review the quality of finished prints.

Performance Criteria

- (a) Describe print quality parameters.
- (b) Compare end product against given quality parameters.
- (c) Compile and present findings.

National Unit specification: statement of standards (cont)

Unit title: Creative Printmaking with Photography: Single Colour Lithography (SCQF level 6)

Evidence Requirements for this Unit

Evidence is required to demonstrate that the candidate has achieved all Outcomes and Performance Criteria.

Centres should observe all current health and safety legislation relating to the safe use of chemicals and materials at all times. It is essential that the candidate is made fully aware of all health and safety requirements and observes safe working practices at all times.

Written and/or oral record evidence and product evidence should be produced to demonstrate that the candidate has achieved all the Outcomes and Performance Criteria.

Outcome1 — Written and/or oral recorded evidence

Evidence is required which shows that candidates have achieved Outcome 1 to the standards specified in the Outcome and Performance Criteria.

Evidence must be provided to show that the candidate has an understanding of the stages in the process of lithographic printing and of the principles of image transfer. Evidence is also required to show candidate understanding of the health and safety requirements for work in a lithographic printing environment.

Evidence must include:

- ◆ an accurate description of the stages involved in the lithographic printing process
- ◆ an accurate description of the principles of image transfer for the lithographic printing process
- ◆ a description of health and safety requirements for working in a lithographic printing environment

The evidence for this Outcome will be obtained under open-book condition. The assessor must be satisfied that the evidence produced is the candidate's own work.

Outcome2 — Written and/or oral recorded product evidence

Evidence is required which shows that candidates have achieved Outcome 2 to the standards specified in the Outcome and Performance Criteria.

Evidence will include:

- ◆ sufficient and varied research activity by candidate to generate a minimum of four suitable images
- ◆ candidate comments on four images including reasons for the suitability of each image
- ◆ the correct preparation of images which are suitable for single colour lithographic printing
- ◆ the production of a suitable image carrier

The evidence for this Outcome will be obtained under open-book conditions. The assessor must be satisfied that the evidence produced is the candidate's own work.

National Unit specification: statement of standards (cont)

Unit title: Creative Printmaking with Photography: Single Colour Lithography (SCQF level 6)

Outcome 3 — Performance evidence

Evidence is required which demonstrates that candidates have achieved Outcome 3 to the standards specified in the Outcome and Performance Criteria

Performance evidence must be provided to show that the candidate can effectively carry out printing tasks and should include:

- ◆ the safe and effective use of lithographic printing equipment and materials, including paper, ink and chemicals
- ◆ the production of 10 single colour prints to an acceptable industry standard
- ◆ safe working practices at all times

Evidence of satisfactory performance will show that the candidate can produce the specified prints by following the appropriate techniques and methods safely and effectively.

All the evidence for this Outcome will be obtained under open-book conditions.

The candidates should demonstrate that they can work safely at all times when working in a lithographic printing environment.

Outcome 4 — Written and/or oral/performance evidence.

Evidence is required which demonstrates that candidates have achieved Outcome 4 to the standards specified in the Outcome and Performance Criteria.

Evidence must be provided to show that the candidate can make a valid judgement about a quality end product by comparing it to industry standard required.

Evidence must include:

- ◆ a description of print quality parameters according to industry standard
- ◆ a comparison of end product, produced by the candidate, with industry standard
- ◆ a presentation of findings in a clear and logical manner

The evidence for this Outcome will be obtained under open-book conditions and the assessor must be satisfied that the evidence submitted is the candidate's own work.

National Unit specification: support notes

Unit title: Creative Printmaking with Photography: Single Colour Lithography (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 was written as an optional Unit of the National Certificate in Creative Printmaking with Photography (SCQF level 6), but can also be taken as a freestanding Unit.

This Unit is aligned to the following (National Occupational Standard (NOS) from ProSkills:

- ◆ Unit 021 Comply with health & safety requirements in the workplace
- ◆ Unit 129 Produce computer-generated image carriers
- ◆ Unit 249 Set and operate lithographic printing machines
- ◆ Unit 251 Make and maintain lithographic printing plates
- ◆ Unit 252 Prepare inks and coatings for printing
- ◆ Unit 257 Prepare and maintain image carriers for printing
- ◆ Unit 264 Monitor the quality of output from printing machines
- ◆ Element 264.1 Monitor the quality of printed product from printing machinery

In this Unit candidates are required to source, select and prepare images and prepare image carriers suitable for single colour lithographic printing. They will learn about producing images, gain an understanding of lithographic printing and learn what steps are involved in producing a good quality image carrier ready for print.

Candidates will also be involved in using lithographic printing equipment safely, using inks safely and the correct application of ink on to substrate resulting in production of single colour prints.

Candidates are expected to assess the quality of their finished prints. Quality of prints will be described and written/oral comments made.

Candidates would benefit from having knowledge and/or skills in basic lithographic printing but this is not essential.

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

This Unit should prepare candidates for progression to various HNC programmes.

The purpose of the Unit is to develop the candidate's skills in sourcing and printing single colour images. The Unit should encourage the candidate to work in an organised manner throughout the process of utilising lithographic printing techniques and equipment, which result in final prints of images to the required standard.

National Unit specification: support notes (cont)

Unit title: Creative Printmaking with Photography: Single Colour Lithography (SCQF level 6)

Images may be sourced by internet or may come from candidates original art work. Suitable computer software may be used. Traditional lithographic printing techniques are likely to be used but there may be scope for experimental media and techniques eg. coloured papers and different ink mixes. The candidate will produce at least ten single colour prints. There could be opportunities for the candidate to undertake relevant lithographic printing under non-directive supervision with due regard to personal safety and safe working practices at all times.

Guidance on learning and teaching approaches for this Unit

This Unit is designed to enable the candidate to develop their lithographic printing skills. The candidate will use the appropriate lithographic printing techniques in order to produce at least ten finished single colour prints that meet the requirements of the Unit.

The candidate could be given handouts/oral information detailing the lithographic printing process, equipment and materials, safety regulations and safe working practices. All this information should be reinforced in class discussions and practical demonstrations by the teacher/ lecturer.

Visits to industry would assist in the delivery of the Unit and talks about the processes and principles and health and safety requirements from practitioners should help the candidates to gain an insight to the subject. (Outcome 1)

The teacher/lecturer could show good examples of collated research and good standard final prints. Resources for research, such as periodicals, books, and the internet, could be made available (Outcome 2). Learning approaches should be activity based with the teacher/ lecturer demonstrating methods of lithographic printing before the candidate works on his/her own ideas. Further demonstrations and practical exercises relevant to the lithographic printing area should be given incorporating preparation of image carriers, basic registration techniques, correct ink application and safe use of tools and equipment. (Outcome 3).

Candidates should be encouraged to keep a record of the processes, techniques and activities throughout the Unit, which may help with their final evaluation of the process (Outcome 4).

Working in small groups will feature in this Unit and may be good for the candidate's confidence before attempting to work individually. In this Unit the candidate must adhere to all relevant current health and safety guidelines at all times.

National Unit specification: support notes (cont)

Unit title: Creative Printmaking with Photography: Single Colour Lithography (SCQF level 6)

Guidance on approaches to assessment for this Unit

A suitable instrument of assessment for this Unit would be a practical exercise(s). The Outcomes could be assessed individually by using continuous assessment with teacher/lecturers ensuring that candidates are aware of the ongoing assessment of their work. Notebooks/worksheets/oral explanations may be produced to show candidates understanding of the lithographic printing process and suitable images (Outcome1).

The assessment process could also be recorded by the use of an observational checklist (Outcome 2). A written/oral evaluation will also be evident within this unit (Outcome 3). The teacher/lecturer must be satisfied that the evidence submitted is the work of the individual candidates. Although group work may be used as a 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)*.

Opportunities for developing Core Skills

Candidates may have opportunities to develop aspects of the Core Skill of *Communication* through teacher/lecturer led group discussions on an ongoing basis.

Candidates may have the opportunities to develop aspects of the Core Skill of *Problem Solving* through planning and preparing of final prints.

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

History of changes to Unit

Version	Description of change	Date
02	Core Skills Component Critical Thinking at SCQF level 6 embedded.	29/09/2011

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