



National Unit specification: general information

Unit title: Screen Printing: Decorative Screen Printing on a Non-Porous Substrate (SCQF level 5)

Unit code: FV55 11

Superclass: KH

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Summary

This Unit enables candidates to develop an individual creative response by producing a decorative screen print on a non-porous substrate. Candidates will, through research of a variety of informative resources select a suitable decorative design and substrate towards their final project. Candidates will then prepare and produce finished prints to their plan and creative project origination. This Unit is a mandatory Unit within the National Certificate in Screen Printing at SCQF level 5. It can also be taken as a free-standing Unit. It is suitable for school leavers and adult learners who are undertaking a screen printing course or who are already working in the industry.

Outcomes

- 1 Devise a design project.
- 2 Prepare design original, film colour separations and stencils.
- 3 Produce a final decorative screen print on a non-porous substrate.

Recommended entry

While entry is at the discretion of the centre, candidates would normally be expected to have attained one of the following, or equivalent:

- ♦ *Screen Printing: An Introduction to the Process* (SCQF level 5)

General information (cont)

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Credit points and level

1 National Unit credit at SCQF level 5: (6 SCQF credit points at SCQF level 5)

**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 5
- ◆ Planning and Organising at SCQF level 5

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

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

Outcome 1

Devise a design project.

Performance Criteria

- (a) Source materials to meet the requirements of a given brief and candidate's design project.
- (b) Select suitable materials and techniques used in printing a non-porous substrate, according to the given brief.
- (c) Produce a simple project plan according to a given brief.

Outcome 2

Prepare design original, film colour separations and stencils.

Performance Criteria

- (a) Research image types and select a design original, suitable for screen printing multiple elements onto a non-porous substrate, to meet the requirements of the project plan.
- (b) Prepare film colour separations and stencils suitable for screen printing onto a non-porous substrate, to meet the requirements of the project plan.

Outcome 3

Produce a final decorative screen print on a non-porous substrate.

Performance Criteria

- (a) Prepare and make ready the machine correctly, safely and effectively for the printing procedure.
- (b) Select ink and colour suitable for design concept and substrate being printed.
- (c) Present finished prints that comply with the design origination.

National Unit specification: statement of standards (cont)

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Evidence Requirements for this Unit

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

Assessment evidence will show the design process through undertaking research and investigation, carrying out development work and producing a suitable finished product to meet the requirements of a supplied brief. All activities must be carried out with due regard to current health and safety legislation.

The candidate will produce an individual body of work in a holistic sequence throughout the Unit, covering all Outcomes. Product and performance evidence is required that demonstrates that the candidate has achieved all Outcomes and Performance Criteria.

Product and performance evidence which includes:

Research:

- ◆ two pieces of collated information from various resources including:
 - samples, images from web-sites data sheets on three different materials
 - glass, ceramics and rigid plastic
- ◆ material and techniques that would be suitable for the intended project, according to a given brief
- ◆ a concise and accurate project plan

Image types and the selection of a design original to include:

- ◆ the number and specification of the colours to be printed, a minimum of three are required
- ◆ the number of prints that will be produced
- ◆ the design origination which will include all the colours in the project,
- ◆ the film colour separation
- ◆ the production of quality stencils for printing, according to the given brief

The production of a decorative screen print which includes:

- ◆ correct, safe and effective preparation of the screen printing machine and selection of appropriate ink for colour and substrate
- ◆ finished print/s that meet the requirements of the project brief and candidate's design, which depend on the size and number and which meet industry standards

National Unit specification: support notes

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This part of the Unit specification is offered as guidance. The support notes are not mandatory.

While the exact time allocated to this Unit is at the discretion of the centre, the notional design length is 40 hours.

Guidance on the content and context for this Unit

This Unit is a mandatory Unit within the National Certificate in Screen Printing at SCQF level 5. It can also be taken as a freestanding Unit.

This Unit is practical and knowledge based and aligns to the following National Occupational Standards from Proskills:

- ◆ Comply to Health and Safety in the Workplace (021)
- ◆ Improve your performance at work (022)
- ◆ Ensure your own actions reduce risks to Health and Safety in the Workplace (031)
- ◆ Improve individual and organisational performance (032)
- ◆ Contribute to maintaining equipment in working order (003)
- ◆ Prepare equipment and machines for screen printing (239)
- ◆ Operate screen printing machines (204)
- ◆ Control screen printing machines (231)
- ◆ Operate ink drying equipment (204)
- ◆ Prepare Inks (206)
- ◆ Prepare stencils for printing (219)
- ◆ Plan image layout for printing (102)
- ◆ Identify and organize the requirements for production (006)
- ◆ Control ink drying equipment (231)

As screen printing is such a diverse application, this Unit could also be integrated with other areas of the creative industries such as, art and design, exhibition, sign works, textiles, glassware, joinery etc. Candidates therefore have a wide scope for progression within the creative industries by further development through further education or progression into work.

This Unit will help the candidate with the knowledge and skills in the non-porous printing process by the candidate acquiring skills to develop their creative design concepts, structured production time with planning, and the use of materials and techniques in the production of a creatively developed printed work. The candidate will be involved with clear development potential which meets the identified requirements of their final project.

The emphasis should be on acquiring knowledge and understanding of image types, film colour separations and stencil making suitable for the decorative non-porous screen printing process that can progress to a finished solution. The teacher/lecturer should encourage group discussion and review a range of creative designs and images used for this technique to allow the candidate to make an informed design selection.

National Unit specification: support notes (cont)

Unit title: Screen Printing: Decorative Screen Printing on a Non-Porous Substrate (SCQF level 5)

Each candidate should be given the opportunity to develop and produce a final decorative solution with skill and precision, accurate colour registration and be able to review and critique their own work and remedy any common faults that may occur to achieve quality print presentation.

Guidance on learning and teaching approaches for this Unit

This Unit should be delivered by encouraging the candidate to increase their potential through individual growth, giving them the freedom within the constraints of the given brief to develop a final project through the study of concepts and creations related to the decorative screen printing process.

The requirements of this Unit should allow the candidates to organise their work and learning abilities through an assignment with little intervention by the teacher/lecturer giving the candidate confidence, self-esteem and a sense of personal value and purpose.

Candidates should be given the ability to grow, learn and develop in their own direction by planning their project through to production, which will support the creative development and understanding of the techniques used in the decorative screen printing process.

The candidate should be encouraged to work independently exploring decorative images, materials used and techniques after class demonstrations and discussions on possible developmental approaches. The teacher/lecturer exposition of decorative developmental skills should be complimented by individual and/or group research into the printing practices of printing on a non-porous substrate.

Candidates are encouraged to evaluate their finished solution to reinforce the focus and quality of their reflective practice.

Guidance on approaches to assessment for this Unit

Outcome 1

Candidates are required to collate and present investigative research and a project plan. This could be in the form of a summative assessment through teacher/lecturer or peer presentation.

Outcome 2

Teacher/lecturer critique in response to image selections should be assessed in relation to the personal enquiry made by the candidate.

Outcomes 2 and 3

The evaluation of the completed project can be assessed through product/observation checklist this will include the developmental process for the artwork, stencils and finished quality product.

National Unit specification: support notes (cont)

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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 social software. 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

In this Unit candidates will develop an individual creative response by producing a decorative reverse print on a non-porous substrate. Candidates will be given a specification /design brief and from this create a plan for a finished print. They will research a variety of materials and techniques to identify the most suitable. Candidates will then prepare and produce finished prints in line with design origination.

Candidates will:

- ◆ research suitable images using a variety of methods including computers
- ◆ create a plan to produce a finished print
- ◆ discuss their ideas with their tutor and peers
- ◆ produce a finished print according to their plan
- ◆ evaluate the finished print against an original brief

As they are doing this Unit candidates will be developing aspects of the Core Skills in *Communication*, *Problem Solving* and *Working with Others*.

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 Components Critical Thinking and Planning and Organising at SCQF level 5 embedded.	12/10/2011

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