National 5 Graphic Communication Assignment Assessment task

This document provides information for teachers and lecturers about the coursework component of this course in terms of the skills, knowledge and understanding that are assessed. It must be read in conjunction with the course specification.

Valid for session 2017–18 only.

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Introduction

This document contains instructions for teachers and lecturers, instructions for candidates, and the assignment. It must be read in conjunction with the course specification.

This assignment has 40 marks out of a total of 120 marks available for the course assessment.

This is one of two course assessment components. The other component is a question paper.
Instructions for teachers and lecturers

SQA will publish a new assessment task on the secure website each academic year. The task is valid for that year only. Once complete, assignment responses are sent to SQA to be marked.

The assignment must be conducted under a high degree of supervision and control, which means:

♦ all candidates must be within direct sight of the teacher or lecturer
♦ interaction with other candidates must not occur
♦ e-mail, the internet and mobile phones must not be accessed
♦ candidates must complete their work independently (ie no group work is permitted)
♦ display materials, which might provide assistance, must be removed or covered up
♦ with no interruption for learning and teaching
♦ in a classroom environment

Time

Candidates have 8 hours to complete the assignment, starting at an appropriate point in the course after all content has been delivered. Once candidates begin, they must continue in each subsequent class period until the permitted time allocation has been used up.

Teachers and lecturers have a responsibility to manage candidates' work, ie distributing it at the beginning and collecting it at the end of each session, and storing it securely in-between. This does not count towards the total time permitted for candidates to complete the assignment.

Resources

This is a closed-book assessment. Candidates must not have access to learning and teaching materials, the internet, notes, exemplar materials, resources on classroom walls or anything similar.

Each assessment task includes instructions and details of any equipment or materials required for the assignment. Candidates can also use normal classroom equipment, software and hardware (such as drawing instruments, CAD and DTP software, and PCs to run the software) to complete the tasks.

There may be instances where restriction of internet/network use is prohibited (eg a local authority-managed network with specific limitations, CAD software that is web-based, or something similar), however, it remains the teacher or lecturer's professional responsibility to make every effort to meet the assessment conditions.
Reasonable assistance
Candidates must progress through each stage of the assignment without any teacher or lecturer intervention or guidance, having acquired the skills earlier in the course.
Once the assignment has been completed, it must not be returned to candidates for further work. Teachers and lecturers must not provide feedback to candidates or offer opinion on the perceived quality or completeness of the assignment response, at any stage.
Reasonable assistance may be provided to support candidates with the following aspects of their assignment:

- Printing, collating, stapling and labelling their evidence to ensure it is in the format specified by SQA.
- Ensuring candidates have all the materials and equipment required to complete the assignment.
- Understanding the information outlined in these instructions.

Evidence
All candidate evidence (whether created manually or electronically) must be submitted to SQA in paper-based format.
Each task details what evidence is required and how many pages are expected. This is a guide to ensure that candidates do not produce too much work or spend too long on a single task. Single-sided A3 pages are preferred and are typically the most suitable for the tasks, however, it is acceptable to submit A4 pages, if no suitable A3 printer is available.

Alteration or adaptation
The assignment must not be altered, adapted or modified in any way (this would include moving the content of the assignment into a different format or workbook). All candidates must undertake the assignment exactly as it is provided.

Submission
Each piece of work on a page must be labelled with the task number, eg task 3a.
The back of each page must be clearly labelled with candidate details.

Volume
Candidates should present their work on a maximum of eight single-sided A3 pages.
This figure is given to indicate the volume of evidence required, however, no penalty will be applied where candidates exceed this. Full details of evidence requirements are contained within each assessment task.
Specific instructions for teachers and lecturers:

Teachers and lecturers must ensure that these specific instructions are followed. Candidates must be made aware of the assessment conditions and know what they should do for each task.

Prior to candidates starting the assignment, teachers and lecturers must download electronic files for candidates to use. These files must be kept secure and must not be accessed by candidates prior to assessment.

This assignment has three tasks, all of which are mandatory.

Each task has a notional time allocated to it. This is not mandatory and is provided as an indication of how long candidates should spend on the task.

Task 1 (14 marks)
Notional time: 2-3 hours
Notes on Task 1 completion
♦ production drawings must be produced electronically and generated from a 3D CAD model.

Task 2 (14 marks)
Notional time: 2-3 hours
Notes on Task 2 completion
♦ Task 2a must be completed electronically
♦ Task 2b candidates must identify where they have used dominance
♦ Task 2b may be completed manually or electronically
♦ Task 2c must be completed electronically
♦ Task 2c: candidates must fully annotate and give justification for two DTP elements/principles
♦ Task 2c: candidates’ final version should be full size or scaled to suit.

Task 3 (12 marks)
Notional time: 2 hours
Notes on Task 3 completion
♦ Tasks 3a, 3b and 3c: it is expected that these will be completed manually. If an electronic method is used it must not be 3D CAD software: no marks will be awarded if this software is used
♦ Drawing boards and set squares must not be used to complete this task.

General note
Candidates must not trace drawings for any part of the assignment: no marks will be awarded for traced drawings.

All electronically-generated evidence must be printed off and compiled for uplift by SQA.
Instructions for candidates

This assessment applies to the assignment for National 5 Graphic Communication.

This assignment has 40 marks out of a total of 120 marks available for the course assessment. It assesses the following skills, knowledge and understanding:

♦ demonstrating graphic design skills and creativity
♦ using graphic communication technologies
♦ producing preliminary, production and promotional graphic items in response to a situation or problem
♦ using illustration techniques to create graphics with relevant visual impact
♦ producing 2D and 3D production drawings, applying appropriate standards, protocols and conventions (drawing includes manual or electronic production methodologies)
♦ reviewing and evaluating your progress, giving justification for your choice of graphic items and the graphic communication techniques employed where required.

This is a closed-booked assessment. Your teacher or lecturer will let you know how the assessment will be carried out and any required conditions for doing it.

In this assessment, you will have to:

♦ produce a range of graphics in response to a series of tasks, which will test aspects of the skills and knowledge listed above
♦ complete all of the tasks.

You will be allowed 8 hours to complete the assignment. This does not include the time required to set up and clear away any equipment you will need and for any printing that is required.

The assignment has three tasks, with marks allocated as follows:

**Task 1 - 14 marks:** Producing production drawings for a bird feeder. (Suggested time: 2-3 hours)

**Task 2 - 14 marks:** Producing promotional and preliminary graphics for the bird feeder. This includes a CAD rendered bird feeder and work for point of sale advertising for the bird feeder. (Suggested time: 2-3 hours)

(Promotional – 10 marks, Preliminary - 4 marks)

**Task 3 - 12 marks:** Producing preliminary graphics for a bird table. (Suggested time: 2 hours)

You will be provided with:

♦ Task Sheets 1 - 3 - graphic communication briefs, including some initial research information
♦ Data Sheets 1a - 3a.

For Task 2, your teacher or lecturer will also provide you with electronic files.

**Important Note**
You should present your work on a maximum of 8 (A3 size) pages. These pages are to be completed single sided.
Submitting your work
Each piece of your work must be labelled with the task number (eg Task 3a).
The back of each page must be clearly labelled with your details:

- name
- date of birth
- Scottish Candidate Number (SCN)
- centre name
- centre number.
**Task 1: Bird Feeder**

A garden furniture company is looking to launch a bird feeder.

A series of sketches have been produced to aid the manufacture of the bird feeder.

Using the sketches and information shown on Data Sheet 1a, Data Sheet 1b and Data Sheet 1c, model and assemble the bird feeder components using 3D CAD software. From these models, produce production drawings that will allow the bird feeder to be manufactured.

1a Produce suitable component orthographic views of the four parts of the bird feeder.

You must produce an elevation, a plan and an appropriate sectional end elevation for each of the following parts:

- the feeder base
- the feeder case
- the feeder top
- the hanging rod (only an elevation and end elevation required).

All views for the four components must be shown complete with appropriate dimensioning, annotations and to a suitable scale.  

(6 marks)

1b Produce a sectional elevation, an end elevation and a plan of the assembled bird feeder to a suitable scale.

The cutting plane for the sectional elevation must run through the vertical centre of the assembled bird feeder.  

(3 marks)

1c Produce an exploded isometric view of the bird feeder.  

(2 marks)

1d Include correct British Standards conventions and line types on all of your drawings.  

(3 marks)

**Important note**

The production drawings for all parts of Task 1 must be created electronically and must then be printed out.

Task 1 should be completed on a maximum of 2/3 single-sided sheets of A3 paper. You should present your work on a maximum of 8 (A3 size) pages. These pages are to be completed single sided.
Task 2: Bird Feeder

The bird feeder is to be lightweight and manufactured using various types of plastics.

The garden furniture company would like an advert to be displayed on promotional baskets at a garden centre.

The garden furniture company would like the bird feeder advertising to meet the following specification:

♦ communicate that it promotes bird welfare
♦ it must have a positive product identity.

For this task, your teacher or lecturer will provide you with the electronic files of the graphics shown on Data Sheet 2b. You must use at least one of these graphics. The graphics can be used as they are or can be edited to suit your design.

You may incorporate your own design features (product name, logo, colour schemes, styling, etc.) into your design for the advert.

You are not permitted to use any text, images or other item from any other source unless created by yourself within the 8-hour assignment.

Using the information on Data Sheet 2a and Data Sheet 2b produce the following preliminary and promotional graphics:

2a Using the bird feeder you modelled in Task 1, produce a CAD rendered pictorial illustration of your bird feeder complete with appropriate colours, materials, highlights and shadows. 

(3 marks)

2b Produce two preliminary layouts/thumbnails of the advert for the bird feeder.

Your preliminary layouts/thumbnails must include the design principle of dominance and at least two other design elements/principles. Your thumbnails must also contain a suitable product name and some extended text (more than one word). You must identify where you have used dominance in these thumbnails.

You may use either manual or electronic methods to complete this task.

(4 marks)

2c Produce a final version of the advert developed from your preliminary layouts complete with annotations, product name, extended text and chosen image or images. Your final version should be full size or scaled to suit.

You must annotate this layout referring to two design elements/principles, other than dominance, that have been used and justify their use.

(7 marks)

Important note
Task 2 should be completed on a maximum of 2/3 single-sided sheets of A3 paper. You should present your work on a maximum of 8 (A3 size) pages. These pages are to be completed single sided.
Task 3: Bird Table

The garden furniture company want to produce a bird table for people to place in their garden. The company have stated that they require this table to be made from wood.

Using the drawings shown on Data Sheet 3a produce the following preliminary sketches for the bird table.

Where dimensions are missing on the data sheets, you must suggest and include suitable dimensions in your responses to the task.

3a Produce orthographic sketches of each of the parts of the bird table, complete with enough information and dimensions to enable the bird table to be modelled using 3D CAD software.

(4 marks)

3b Produce orthographic sketches of the elevation, end elevation and plan of the assembled component parts of the complete bird table.

(4 marks)

3c Produce a rendered pictorial sketch of the fully assembled bird table, showing appropriate colour, highlights, shadows and materials.

(4 marks)

Important note
Task 3 should be completed on a maximum of 2/3 single-sided sheets of A3 paper. You should present your work on a maximum of 8 (A3 size) pages. These pages are to be completed single sided.
Data Sheet 1a

The following graphics are provided to help you produce the component parts and the assembly of the bird feeder. You are required to model these using 3D CAD software and then create production drawings for them using electronic methods.

Feeder Top

Plan

Elevation

End Elevation

Assembled Pictorial

The wall thickness of feeder top is 5mm.
Data Sheet 1b

The following graphics are provided to help you produce the component parts and the assembly of the bird feeder. You are required to model these using 3D CAD software and then create production drawings for them using electronic methods.

The holes visible on this side of the feeder case are repeated on the back of the feeder case, directly opposite each other.
Data Sheet 1c

The following graphics are provided to help you produce the component parts and the assembly of the bird feeder. You are required to model these using 3D CAD software and then create production drawings for them using electronic methods.
The bird feeder needs to be advertised in such a way that people will notice it and want to pick up the product.

The garden furniture company require the bird feeder point of sale advertising to meet the following specification:

♦ communicate that it promotes bird welfare
♦ it must have a positive product identity.

Bird Feeder Basket Point of Sale Advertising

The visible space on the advertising for the bird feeder must be 270 x 190mm. This advert is laid out in landscape orientation.

An example of one of these advertising spaces is shown below.
Data Sheet 2b

You must use at least one of these graphics. The graphics can be used in entirety or edited to suit your design.

These graphics will be made available to you in JPEG file format.
Data Sheet 3a

The following data is provided to help you produce the sketches of the bird table.
Administrative information

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History of changes

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Security and confidentiality

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