

Higher National Unit Specification

General information for centres

Unit title: Vehicle Graphics and Vehicle Wrap

Unit code: F03H 34

Unit purpose: This Unit is designed to enable candidates to produce and apply 2D vehicle graphics; logos and wide format digital printed vinyl wrap to customise vehicles. On completion of the Unit candidates should be able to:

- 1 Produce drawings and visuals to a supplied specification.
- 2 Develop vehicle graphics and vehicle wrap for the supplied specification.
- 3 Apply vehicle graphics and large format vehicle wrap.

Credit points and level: 1 HN Credit at SCQF level 7: (8 SCQF credit points at SCQF level 7*).

**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.*

Recommended prior knowledge and skills: Access is at the discretion of the centre; however, it is advisable that candidates should have an appreciation of a signmaking environment either through a craft level signmaking course or through relevant work experience.

Core Skills: There are opportunities to develop the Core Skills of IT to SCQF level 6, Problem Solving SCQF level 6 and Working with Others to SCQF level 5 as well as aspects of Numeracy at SCQF level 5 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 practical task to meet supplied information which would involve the candidate designing alternative solutions and applying the chosen design to vehicles or vehicle panels. It would also be possible to break this assessment down into three separate assessment events one for each outcome. The application of vehicle wrap should be carried out under supervised workshop conditions.

Higher National Unit specification: statement of standards

Unit title: Vehicle Graphics and Vehicle Wrap

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The sections of the Unit stating the Outcomes, knowledge and/or skills, and evidence requirements are mandatory.

Outcome 1

Produce drawings and visuals to a supplied specification

Knowledge and skills

- ◆ Types of fonts
- ◆ Decorative treatments
- ◆ Drawings and visuals
- ◆ Computer software
- ◆ Design specification

Evidence Requirements

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

- ◆ Choose suitable fonts and decorative treatments to meet the supplied specification
- ◆ Provide accurate scale drawings including one with magnified view using computer software
- ◆ Critically analyse possible solutions and choose design for further development

Assessment Guidelines

This Outcome could be assessed with Outcome 2.

Higher National Unit specification: statement of standards (cont)

Unit title: Vehicle Graphics and Vehicle Wrap

Outcome 2

Develop vehicle graphics and vehicle wrap for the supplied specification

Knowledge and skills

- ◆ Use of colour
- ◆ Use of decorative treatment
- ◆ Types of vinyl
- ◆ vehicle wrap techniques

Evidence Requirements

The candidate will need to provide evidence to demonstrate their knowledge and skills by showing that they can:

- ◆ Interpret a supplied specification and produce three computer generated working drawings which match the supplied specification.
- ◆ Produce two full colour secondary scale visuals with a coloured magnified view. Visuals produced should include information on a variety of fonts, a variety of suggested colours, types of vinyls and two decorative treatments.

The evidence should contain:

- ◆ accurate interpretation of the supplied specification
- ◆ two alternative full colour visuals generated with computer graphic systems
- ◆ recommended fonts
- ◆ recommended decorative treatments

Assessment guidelines

The candidates could be given a design specification for a vehicle or part of a vehicle and could be asked to produce a selection of two possible design solutions to meet the specification. Coloured scale visuals and a magnified view could be produced.

Higher National Unit specification: statement of standards (cont)

Unit title: Vehicle Graphics and Vehicle Wrap

Outcome 3

Apply vehicle graphics and Large Format Vehicle

Knowledge and skills

- ◆ Preparation of substrates
- ◆ Application techniques
- ◆ Application of vinyl wrap
- ◆ Methods of control for application defects
- ◆ Health and safety issues

Evidence Requirements

Candidates will need to provide evidence and demonstrate their knowledge and skills by showing they can apply 2D vinyl graphics and Vehicle Wrap to a vehicle or part of a vehicle using the following criteria:

- ◆ creation of good working conditions
- ◆ clean substrates
- ◆ correct use of tools
- ◆ conformable vinyls and wraps
- ◆ correct temperature ranges
- ◆ correct application to profiles
- ◆ removal of defects
- ◆ final heating

The application of vinyls and wraps should be to a visually acceptable standard which would be fully detailed in a tutor observation checklist. This should ensure that all reasonable pre-planning has taken place, that precautions to minimise errors have been followed, and that work has conformed to health and safety requirements.

Assessment guidelines

Candidates could produce one of the designs developed in Outcomes 1 and 2 and could apply the chosen graphic to a vehicle or part of a vehicle ensuring that the requirements of the supplied specification were met.

Administrative Information

Unit code: F03H 34
Unit title: Vehicle Graphics and Vehicle Wrap
Superclass category: JB
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Version	Description of change	Date

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Higher National Unit specification: support notes

Unit title: Vehicle Graphics and Vehicle Wrap

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 included in the framework of the HNC Sign Design and Graphics Group Award. The Unit is primarily intended to prepare candidates for a supporting role within a Signwork/Graphics company. It is also applicable to those who have relevant work experience and wish to progress to self employment. Candidates who do have work related experience should be encouraged to share their knowledge with other candidates.

This Unit is part of a Group Award designed to provide candidates with technical or professional knowledge and skills for a specific occupational area. Candidates who successfully complete the award could take up a supporting team role in a Sign/or Sign Graphics Company.

In these circumstances, the Unit is likely to be delivered near the end of the Group Award, to allow candidates time to practice the various techniques involved in application of 2D graphics and vehicle wrap and appreciate its relevance to the occupational area concerned.

The candidates could be given a design specification for a vehicle or part of a vehicle and be asked to produce two possible design solutions. Coloured scale visuals and a magnified view should be produced.

Candidates could use one of the designs developed in Outcomes 1 and 2 and apply the chosen graphic to a vehicle or part of a vehicle ensuring that the requirements of the supplied specification were met.

Guidance on the delivery and assessment of this Unit

Assessment could be by one practical assessment which should contain numerical and graphical representation of the supplied specification, coloured decorative graphics, correct application techniques used, and realistic achievable time scales. An observation checklist which matches the specification given to candidates should be completed to ensure that all reasonable pre-planning had taken place and precautions to minimise errors had been followed.

Outcome 1 looks at the interpretation of the supplied specification for 2D Vehicle Graphics and Vehicle Wrap. This specification would be supplied by the lecturer and/or a real client. From this specification, thumbnail sketches could be produced showing types of font, designs etc. that will help to create a design fit for purpose. Computer generated visuals should be produced using Sign Graphics/Digital Imaging based software. A portfolio of font types would be beneficial to aid, firstly in thumbnail sketches, and to complement the computer generated graphics.

Higher National Unit specification: support notes (cont)

Unit title: Vehicle Graphics and Vehicle Wrap

In Outcome 2 candidates will develop their chosen design to include possible different colour combinations and decorative treatments which would take account of corporate image and show evidence of meeting the specification. At this point the candidate should be developing finished design solutions to a standard which would be acceptable for presenting to a client. They should be encouraged to create a portfolio of colour samples of fonts, including decorative images. Samples of types of conformable vinyl/wrap used for Vehicle Graphics should also be included.

Outcome 3 deals with the application methods of 2D Vehicle Graphics and Vehicle Wrap to vehicle substrates. It should be stressed to candidates that correct climatic conditions and cleanliness of surfaces is crucial before application of vinyl and wrap. Quality grade tools and correct usage should be practiced before assessment. Application techniques of profiles and heating temperatures should be observed. Removal of faults e.g. air bubbles, wrinkles, should be completed before final heating of vinyl/wrap. Time scales for application could be practiced.

Opportunities for developing Core Skills

When undertaking the Unit candidates are likely to be working as a group in Outcome 3, especially where larger surfaces are being covered. Throughout this process they will learn how to analyse activities and identify their own strengths and weaknesses. While tasks initially will be allocated to those most able to carry them out efficiently, in this Unit co-operative working will mean significant learning will take place in the group.

Within the Unit there will be aspects of numeracy as the graphics and vinyls have to be measured and translated on to the panels being worked on. Additionally IT will be used extensively to produce visuals and to print the final vinyl material. Candidates would usually use specific dedicated sign software to create this visual. Candidates will also be expected to use digital images which could be taken by the candidate themselves or retrieved from internet or other sources. Candidates should be skilled in searching for internet and other permissible sources of graphics.

Problem solving skills will be developed in all Outcomes. In Outcome 1 and 2 candidates will be designing to meet the supplied information and providing appropriate design solutions. In Outcome 3, candidates will be planning and organising a complex task which will involve developing a plan of action, identifying and obtaining the resources required and carrying out the task. Reviewing and evaluating is also undertaken particularly in Outcome 3 and any alterations to the process of applying vinyls are undertaken by the candidate as required.

Open learning

This Unit specification is intended to ensure that there are no artificial barriers to learning or assessment. 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. For information on these, please refer to the SQA document *Guidance on Alternative Assessment Arrangements for Candidates with Disabilities and/or Additional Support Needs*, which is available on the SQA website **www.sqa.org.uk**.

Higher National Unit specification: support notes (cont)

Unit title: Vehicle Graphics and Vehicle Wrap

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. For information on these, please refer to the SQA document *Guidance on Alternative Assessment Arrangements for Candidates with Disabilities and/or Additional Support Needs*, which is available on SQA's website: **www.sqa.org.uk**.

General information for candidates

Unit title: Vehicle Graphics and Vehicle Wrap

This Unit is designed to enable you to recognise the main issues involved in the application of wide format vinyl wrap. It is primarily intended to prepare you for a supporting role in a Sign Graphics Company.

The Unit has three main areas, each the subject of a separate outcome. To begin with you will produce preliminary sketches of font styles, background effects and decoration, shadows etc.

Outcome 2 deals with the development of vehicle graphics and vehicle wrap the production of full colour visuals.

In Outcome 3 you will gain experience in the use of correct tools and application techniques of vinyl wrap to vehicle substrates, and how to deal with faults during and after application.

When you are being assessed you will develop ideas and working drawings in Outcome 1, and further develop these ideas in Outcome 2. In Outcome 3 you will take one of these visuals and produce a 2D vinyl graphic and Vehicle Wrap and apply them to a vehicle or part of a vehicle.