



Australian Government

MSFDG5005 Apply innovation in contemporary leadlight and stained glass

Release: 1

MSFDG5005 Apply innovation in contemporary leadlight and stained glass

Modification History

Release 1. Supersedes and is equivalent to MSFSL5005 Apply innovation in contemporary leadlight and stained glass.

Application

This unit describes the skills and knowledge required to use innovative techniques in the development of leadlight or stained glass works. It includes the adaptation of traditional techniques, such as leadlight and stained glass or other techniques, such as kiln-formed and laminated glass, and involves research and analysis of innovative ideas with glassworks produced through experimentation and subsequent refinement of new ideas and techniques.

This unit applies to individuals working with designed glass.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

N/A

Unit Sector

Leadlight and Stained Glass

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Identify the potential or need for innovation	1.1 Analyse design or production elements to determine areas where research and experimentation may be appropriate 1.2 Assess the potential for the use of new techniques and media to maximise the effectiveness of leadlight and stained glass
2. Conduct research	2.1 Select and access sources suitable for the research of historical, cultural and other factors that might influence techniques or media 2.2 Research, adapt and use relevant ideas and approaches from other practitioners with consideration of intellectual property, moral rights and copyright requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	2.3 Identify appropriate specialists who may be able to contribute to the overall realisation of innovative leadlight and stained glass 2.4 Maintain references in an accessible form to allow for future use 2.5 Use research material to adapt styles for integration into leadlight and stained glass production
3. Experiment with techniques and media	3.1 Conduct trials to establish the best ways in which the desired effect can be achieved 3.2 Assess results of experimentation, balancing the need for creative effectiveness and cost practicality 3.3 Select, adapt or introduce new materials, tools, equipment or technology for the achievement of different effects 3.4 Consult colleagues to provide information on the results of experimentation and to make appropriate decisions on new techniques and media 3.5 Set up or coordinate specific resource requirements which arise from the use of different techniques in accordance with workplace requirement.

Foundation Skills

The Foundation Skills describe those required skills (such as, language, literacy, numeracy and employment skills) that are essential to performance:

- technology skills to prepare reports using digital media.

Other foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to MSFSL5005 Apply innovation in contemporary leadlight and stained glass.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFDG5005 Apply innovation in contemporary leadlight and stained glass

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- produced a portfolio of 4 designs, with 2 to include cost estimates for panel design and fabrication
- fabricated four panels from the portfolio:
 - 2 leadlight and/or stained glass
 - 2 individually designed glass installations
- fabricated 2 panels using differing innovative leadlight and stained glass effects.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- State or territory work health and safety legislation, regulations, standards and codes of practice relevant to the full range of processes for leadlight and stained glass operations
- organisational and site standards, requirements, policies and procedures for preparation of leadlight and stained glass operations and other glass processing operations
- contemporary leadlight and stained glass construction terminology and techniques
- types of glass and other materials used in the designed glass industry, their characteristics, properties, uses and limitations
- innovative and experimental designed glass production techniques in 2D and 3D formats
- colour theory, line, dimension, chiaroscuro, depth and their application to leadlight and stained glass
- glass painting and firing techniques
- use and properties of a range of paints and media for glass work
- testing finished and unfinished materials used in innovative and contemporary leadlight and stained glass
- research techniques and sources of information to inform research and experimentation on designed glass
- costs and costing processes for leadlight and stained glass elements
- environmental protection requirements relating to the disposal of waste material
- problem identification and resolution for innovative and contemporary designed glass
- professions and trades working alongside or in conjunction with designed glass.

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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - designed glass and leadlighting tools, equipment and materials.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

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