



Australian Government

Department of Education, Employment and Workplace Relations

CUVVSP17B Apply techniques to produce glass work

Release: 1

CUVVSP17B Apply techniques to produce glass work

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit describes the skills and knowledge required to use techniques, materials and equipment for the production of glass work. As such the unit covers general knowledge and the application of basic techniques, which would generally be nominated by the supervisor. It is a specialisation unit and refers to a specific art form. This work would usually be carried out under supervision.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of endorsement.

Application of the Unit

Not Applicable

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Prerequisite units

It is highly recommended that this unit be assessed in conjunction with:

- CUVCOR01B Source concept for own work or
- CUVCOR02B Develop and articulate concept for own work
- CUVCOR07B Use drawing techniques to represent the object or idea or
- CUVCOR08B Produce drawings to represent and communicate the concept.

It could also be assessed in conjunction with:

- CUVCOR11B Source information on history and theory and apply to own area of work.

Depending on the context, combined assessment and/or training with a range of other units would also be appropriate, e.g.:

- CUVCRS13B Store finished work.

Employability Skills Information

Employability skills

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where ***bold italicised*** text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Prepare and maintain physical resources for glass work.	1.1 Correctly identify and select <i>tools, equipment</i> and <i>materials</i> required for the production of <i>glass work</i> . 1.2 Prepare, clean and maintain tools, equipment and materials in accordance with relevant <i>workplace procedures</i> and safety requirements. 1.3 <i>Organise and maintain</i> work space so that it remains clean and safe. 1.4 Store tools, equipment and materials in accordance with relevant workplace procedures and safety requirements.
2 Use and test glass working techniques.	2.1 Safely use <i>techniques</i> for the production of glass work. 2.2 Use and <i>test</i> nominated techniques to determine the capability of the technique and its application.
3 Produce the glass work.	3.1 <i>Draw concept for the proposed glass work</i> based on own ideas or supplied information. 3.2 Correctly identify the steps and resources required to produce the proposed. 3.3 Select appropriate tools, equipment and materials for the specific glass work. 3.4 Calculate correct quantities of materials required and minimise waste where possible. 3.5 Use techniques, tools and materials safely to produce the final glass work.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

REQUIRED SKILLS AND KNOWLEDGE

Required skills:

- literacy skills sufficient to read product and equipment safety labels
- numeracy skills sufficient to calculate quantities and firing times.

Required knowledge:

- general knowledge of physical properties and capabilities of the most commonly used materials, tools and equipment for glass work
- general knowledge of different styles of glass work and the work of key practitioners
- overview knowledge of the formal elements and principles of design
- introductory knowledge of the historical and theoretical contexts for glass work
- typical work space and equipment requirements for the production of different types of glass work
- cleaning and maintenance techniques for tools and equipment used in glass work
- awareness of copyright, moral rights and intellectual property issues
- environmental issues associated with the tools, materials and equipment used in glass work
- organisational and legislative occupational health and safety procedures in relation to ceramic work.

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The following evidence is critical to the judgement of competence in this unit:

- production of glass work which demonstrates a command of nominated techniques and which reflects the concept
- general knowledge of tools, materials and equipment used in glass work.

EVIDENCE GUIDE

Context of and specific resources for assessment

The assessment context must provide for:

- evaluation of visual language and technical execution of work pieces produced by the candidate
- practical demonstration of skills using required tools, equipment and materials to produce a minimum of one glass object.

Method of assessment

Assessment may incorporate a range of methods to assess performance and the application of essential underpinning knowledge, and might include:

- direct observation of glass work in progress
- questioning and discussion of candidate's intentions and work
- written or verbal reports
- review of portfolios of evidence
- third party workplace reports of performance by the candidate.

Assessment methods should closely reflect workplace demands (e.g. literacy) and the needs of particular groups (e.g. people with disabilities, and people who may have literacy or numeracy difficulties such as speakers of languages other than English, remote communities and those with interrupted schooling).

Assessment of this unit requires access to the materials, resources and equipment needed to produce glass work.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Tools may include:

- glass cutters
- modelling and carving tools for clay and/or plaster
- piping tools, e.g. slip trailer, icing bag, syringe
- rulers.

Equipment may include:

- compressor
- electric kilns
- engravers
- glass cutting table
- grinding and polishing equipment
- kiln furniture
- PPE, including safety glasses, gloves dust masks, respirators
- programmable kiln controllers
- sandblaster
- slumping moulds.

Materials may include:

- clay
- float glass
- glass colours, including paints, stains and enamels
- materials for embedding
- plaster
- refractory fillers, e.g. sand, silica
- refractory release agents, e.g. graphite, kaolin, alumina, bead release
- tested compatible glass rods (for lampwork)
- tested compatible sheet glass
- texturing materials (whiting, batwash, fabric, plant material, metals natural objects, formed and fired

RANGE STATEMENT

clay).

Glass work may include:

- bowls and other containers
- jewellery items
- mural pieces
- plaques
- platters
- sculptural work
- tiles.

Workplace procedures may relate to such things as:

- cost control
- process-specific procedures
- recycling
- reporting
- safety
- use of materials.

Organisation and maintenance of the work space may relate to:

- dust extraction facilities
- lighting
- process-specific requirements
- ventilation
- wet and dry areas.

Within this unit the range of *techniques* used would generally be quite limited in nature and may include:

- copperfoil
- cutting sheet glass (straight lines, curved lines, circles)
- fusing and slumping sheet glass
- lampworked glass
- leadlighting
- painting
- sandblasting
- slumping fused glass.

Testing techniques may include:

- experimenting directly with work in progress
- exploring techniques by making practice pieces
- making samples applying nominated techniques.

RANGE STATEMENT

- Drawing* may include:
- drawings on paper
 - drawings or markings directly on to the glass work
 - electronic imaging.

- The *concept for the proposed glass work* may be influenced by:
- elements and principles of design
 - the subject matter or theme for the work, e.g. the body; identity; land and place; political, cultural, social issues; spiritual concerns.

Unit Sector(s)

Not Applicable