



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **CUVVSP21B Produce glass work**

**Release: 1**

## **CUVVSP21B Produce glass work**

### **Modification History**

Not Applicable

### **Unit Descriptor**

#### **Unit descriptor**

This unit describes the skills and knowledge required to produce glass work through the exploration and application of a range of techniques, tools, equipment and materials. As such the range of techniques could be quite varied and broad in nature. It is a specialisation unit and refers to a specific art form. This work would usually be carried out under limited 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 the following units:

- CUVCOR03B Develop, refine and communicate concept for own work
- CUVCOR08B Produce drawings to represent and communicate the concept
- CUVCOR12B Review history and theory for application to artistic practice.

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

- CUVCRS08B Document the work progress
- CUVCRS14B Prepare, store and maintain 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 <b>Prepare and maintain resources for glass work.</b>	<p>1.1 Correctly identify and select <i>tools, equipment</i> and <i>materials</i> required for the production of <i>glass work</i>.</p> <p>1.2 Prepare, clean and maintain tools, equipment and materials in accordance with relevant <i>workplace procedures</i> and <i>safety requirements</i>.</p> <p>1.3 <i>Organise and maintain</i> work space so that it remains clean and safe.</p> <p>1.4 Store tools, equipment and materials in accordance with relevant workplace and safety requirements.</p>
2 <b>Explore glass working techniques to plan work.</b>	<p>2.1 <i>Assess the capabilities of techniques</i>, tools, equipment and materials for different types of glass work.</p> <p>2.2 Use and/or combine different techniques, tools, equipment and materials to determine and <i>extend capabilities</i>.</p> <p>2.3 Determine the <i>conceptual vision</i> for the proposed glass work based on exploration of different techniques or from supplied information.</p> <p>2.4 Establish <i>criteria for the selection of techniques</i> to meet the conceptual vision.</p> <p>2.5 Select <i>techniques</i> based on the conceptual vision.</p> <p>2.6 Plan work, identifying work processes and resource requirements.</p>
3 <b>Realise glass work.</b>	<p>3.1 Organise the resources required for the production of the proposed glass work based on the plan of work.</p> <p>3.2 Safely use and adapt techniques, tools, equipment and materials appropriately to realise the conceptual vision.</p> <p>3.3 Identify potential different approaches that may enhance the final work and incorporate these into the work process.</p>

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

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

#### Required skills:

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

#### Required knowledge:

- the physical properties and capabilities of the range of materials, tools and equipment used in glass work
- work space requirements for glass work including ways of organising and maintaining space
- ways of exploring, adapting and combining techniques and materials to achieve different effects in glass work
- general knowledge of the formal elements and principles of design and their specific application to the production of glass work
- cleaning and maintenance techniques for tools and equipment used in glass work
- general knowledge of the historical and theoretical contexts for glass work
- awareness of copyright, moral rights and intellectual property issues
- environmental issues associated with the tools and materials used in glass work
- organisational and legislative occupational health and safety procedures in relation to glass 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

The following evidence is critical to the judgement of

## EVIDENCE GUIDE

### required to demonstrate competency in this unit

competence in this unit:

- production of glass work which demonstrates a command of selected techniques and which is consistent with the conceptual vision
- knowledge of materials and tools and how they are used and extended in glass work.

### 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 multiple pieces of glass work or a single major work.

### 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 the candidate's intentions and work outcomes
- verbal and written 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:

- brushes
- cutting aids and guides, including templates, braced squares, grids
- hand glass cutters, including regular glass cutter, circle cutter
- hand polishing pads
- modelling and carving tools for clay and/or plaster
- moulds for hotglass work
- piping tools (slip trailer, icing bag, syringe)
- pliers (running, grozing, plate)
- rulers
- slumping moulds.

***Equipment*** may include:

- compressor
- drill
- electric kilns, kiln furniture
- engravers
- glass cutting machinery (cut-off saw, band saw)
- glass cutting table
- grinding and polishing equipment (linisher, flatbed grinder, bevel grinder)
- light table
- PPE, including safety glasses, gloves and wrist gauntlets, dust masks, respirators
- programmable kiln controllers
- sandblaster
- slumping moulds.

## RANGE STATEMENT

- Materials** may include:
- clay
  - clear and coloured glass suitable for casting (tested compatible frit/cullet, casting glass)
  - clear and coloured glass suitable for lampworking (tested compatible rods, stringers, sheet glass)
  - clear and coloured sheet glass, including float glass, tested compatible glass
  - glass colours including paints, stains, enamels and lustres
  - materials for embedding
  - plaster
  - refractory board suitable for making moulds
  - refractory fillers (sand, silica)
  - refractory release agents, e.g. graphite, kaolin, alumina, bead release
  - sculpture wax
  - texturing materials (whiting, batwash, fabric, natural materials, formed and fired clay).

- Glass work** may include:
- functional forms (platters, bowls, vessels, lighting components)
  - jewellery and body wear
  - mural pieces
  - plaques
  - sculptural pieces
  - tiles.

- Workplace procedures** may relate to such things as:
- cost control
  - process-specific procedures
  - recycling
  - reporting
  - safety
  - use of materials.

- Safety requirements** would be in accordance with:
- Federal, State and Territory legislation, regulations and standards.

- Organisation and**
- light



## RANGE STATEMENT

*maintenance* of the work space may relate to:

- process specific requirements
- ventilation
- wet and dry areas.

*Assessing the capabilities of the techniques*, tools and materials may involve:

- producing test pieces or samples
- systematically testing a range of processes.

*Extending capabilities* of techniques refers to:

- exploring the potential of techniques and discovering new ways of using techniques.

The *conceptual vision* may be determined by:

- elements and principles of design
- the relationship of the work to a theoretical and historical context
- the subject matter or theme for the glass work, e.g. the body; identity; land and place; political, cultural, social issues; spiritual concerns.

*Criteria for the selection of techniques* may relate to:

- access to materials, tools and equipment for the techniques
- consistency with the conceptual vision for the proposed glass work
- ease of application of the techniques
- personal affinity with the techniques.

Within this unit the candidate would generally extend, build upon and combine a range of *techniques* which may include:

- assemblage
- blowing
- casting
- colouring
- etching
- fusing
- hot forming
- lampworking
- leadlight/copperfoil
- pâte de verre
- sand blasting
- slumping.

## **RANGE STATEMENT**

### **Unit Sector(s)**

Not Applicable