



**Australian Government**

# **CUAACD314 Make scale models**

**Release: 1**

## CUAACD314 Make scale models

### Modification History

| Release   | Comments                                                                                     |
|-----------|----------------------------------------------------------------------------------------------|
| Release 1 | This version first released with CUA Creative Arts and Culture Training Package Version 5.0. |

### Application

This unit describes the skills and knowledge required to make three-dimensional (3-D) physical scale models in response to specifications. It does not cover the use of 3-D digital software. It involves preparing to make scale models, completing construction of the models and finalising the model construction process according to scale model requirements.

The unit applies to those who work in many industries and use any 3-D form to make scale models as an essential part of the design process for a range productions or events.

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

### Unit Sector

Visual Communication – Art, Craft and Design

### Elements and Performance Criteria

| ELEMENT                                          | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1. Prepare to make scale models                  | <ul style="list-style-type: none"><li>1.1 Clarify scale model requirements according to documentation, verbal briefs and consultation with required personnel</li><li>1.2 Identify potential challenges and plan work to minimise risk in consultation with required personnel</li><li>1.3 Select techniques for model making according to project requirements</li><li>1.4 Confirm presentation requirements and timelines for final scale models</li><li>1.5 Confirm equipment, materials and work space requirements for model construction</li><li>1.6 Set up work space and equipment according to safety</li></ul> |

| ELEMENT                                | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                        | considerations and organisational procedures                                                                                                                                                                                                                                                                                                                                                        |
| 2. Complete model construction         | 2.1 Make preliminary models representing core dimensions in line with specifications<br>2.2 Review preliminary models against objectives and specifications in consultation with required personnel<br>2.3 Confirm intellectual property and other relevant legislative requirements are met<br>2.4 Make adjustments to models as required<br>2.5 Complete models according to project requirements |
| 3. Finalise model construction process | 3.1 Present models to required personnel according to project and organisational requirements<br>3.2 Follow organisational storage and inventory procedures post-construction<br>3.3 Seek and use feedback from others to improve own skills                                                                                                                                                        |

## Foundation Skills

*This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.*

| SKILL                   | DESCRIPTION                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reading                 | <ul style="list-style-type: none"> <li>Assesses information from different sources and identifies key objectives of scale model projects, and construction and presentation details</li> </ul>               |
| Oral Communication      | <ul style="list-style-type: none"> <li>Elicits information and opinions from others and presents scale model solutions using selected strategies</li> </ul>                                                  |
| Numeracy                | <ul style="list-style-type: none"> <li>Interprets and applies numerical specifications and scale requirements to accurate construction and adjustment of scale models</li> </ul>                             |
| Self-management         | <ul style="list-style-type: none"> <li>Complies with intellectual property and other legislative requirements within the scope of own role and responsibility when planning and undertaking work</li> </ul>  |
| Teamwork                | <ul style="list-style-type: none"> <li>Collaborates and cooperates with colleagues to determine design requirements and plan work processes to achieve effective and compliant design outcomes</li> </ul>    |
| Planning and organising | <ul style="list-style-type: none"> <li>Organises tasks in a logical sequence to enable completion within prescribed timeframe</li> <li>Analyses task requirements to select applicable techniques</li> </ul> |

| SKILL | DESCRIPTION                                                                                                     |
|-------|-----------------------------------------------------------------------------------------------------------------|
|       | <ul style="list-style-type: none"><li>Determines production resources required with input from others</li></ul> |

## Unit Mapping Information

Supersedes and is equivalent to CUAACD304 Make scale models.

## Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1db201d9-4006-4430-839f-382ef6b803d5>

## Assessment Requirements for CUAACD314 Make scale models

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### Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- make scale models according to at least two different project requirements.

In the course of the above, the candidate must:

- identify appropriate equipment and materials to make three-dimensional (3-D) models
- establish a safe work space for the use of equipment and materials
- use selected techniques and processes to make models that meet project requirements
- use safe work practices at all times
- communicate with others during preparation, construction and presentation of 3-D models.

### Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- common model making methods, processes and techniques, including the physical properties and capabilities of equipment, tools and materials used
- ways to present finished scale models
- work space requirements for producing scale models, including set-up of work space for particular types of work
- issues and challenges that arise in making scale models
- intellectual property requirements and legislation associated with making scale models
- work health and safety requirements that apply to scale model making.

### Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- documented scale model requirements and organisational procedures
- tools, materials and equipment required to construct scale models
- interaction with appropriate people.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational educational and training legislation, frameworks and/or standards.

## **Links**

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