



**Australian Government**

# **CUAACD412 Experiment with moulding and casting techniques**

**Release: 1**

## CUAACD412 Experiment with moulding and casting techniques

### 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 develop technical skills in moulding and casting through experimentation. It involves developing different ideas based on own knowledge and existing ideas, extending moulding and casting skills through experimentation and producing moulds and casts.

The unit applies to those who work on the design and production of three-dimensional projects in industrial and creative contexts. In the creative industries this includes ceramic artists, sculptors and prop makers.

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. Develop ideas and designs for moulds and casts	1.1 Research, adapt and use applicable ideas and approaches from own knowledge of different casting and moulding techniques and other practitioners to inform ideas and designs 1.2 Explore ideas and techniques at the same time to strengthen potential outcomes 1.3 Consider market potential, required techniques and access to materials, tools and equipment when developing ideas for work 1.4 Refine and confirm ideas based on experimentation, research and collaboration with others
2. Extend moulding and	2.1 Evaluate potential for new approaches to moulding and casting

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
casting skills	<p>based on capabilities of techniques already used</p> <p>2.2 Adapt or introduce new materials, tools and equipment to achieve different outcomes</p> <p>2.3 Extend capabilities of moulding and casting through experimentation</p>
3. Make moulds and casts	<p>3.1 Set up or coordinate resources according to safety or other workplace requirements</p> <p>3.2 Create moulds and casts using techniques and media selected from research and experimentation</p> <p>3.3 Review and refine ideas and approaches based on ongoing experiences with the production of work</p>
4. Evaluate own work	<p>4.1 Review own work in terms of conceptual development and technical execution</p> <p>4.2 Identify areas for future improvement, especially in terms of own skill development</p> <p>4.3 Discuss completed work with required personnel and respond positively to feedback</p>

## Foundation Skills

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

<b>SKILL</b>	<b>DESCRIPTION</b>
Reading	<ul style="list-style-type: none"> <li>Interprets information from different sources and determines applicable moulding techniques</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Elicits opinions and feedback from others using detailed and clear language</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Determines resource requirements using simple mathematical formulae</li> </ul>
Self-management	<ul style="list-style-type: none"> <li>Takes responsibility for compliance with legal, safety and sustainability practices associated with moulding and casting techniques</li> </ul>
Teamwork	<ul style="list-style-type: none"> <li>Seeks collaborative relationships with others and discusses own ideas, elicits feedback on completed work and identifies skill development opportunities</li> </ul>
Planning and organising	<ul style="list-style-type: none"> <li>Plans and organises requirements for casting production</li> </ul>

SKILL	DESCRIPTION
Initiative and enterprise	<ul style="list-style-type: none"><li data-bbox="466 315 1399 383">• Achieves different results and extends skills and experience using research, exploration and experimentation</li></ul>

## Unit Mapping Information

Supersedes and is equivalent to CUAACD402 Experiment with moulding and casting techniques.

## Links

Companion Volume Implementation Guide is found on VETNet -

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