

<b>Training Package</b>	<b>Entertainment (CUE03)</b>	<b>HSC Requirements and Advice</b>
<b>Title</b>	<b>Make props using mixed media</b>	
<b>Unit code</b> <b>CUEPRP07A</b>	<b>Unit Descriptor</b> This unit describes the skills and knowledge required to interpret props production schedules and specifications, and to produce props for productions within the cultural industries. Media for props vary widely. This unit relates to the creation of props, which require the use of mixed media. As such, the unit builds on skills found in other props construction units.	<b>HSC Indicative Hours</b>  <b>30</b>

<b>Evidence Guide</b>			
<b>Underpinning skills and knowledge</b>	<b>Linkages to other units</b>	<b>Resource requirements</b>	<b>HSC Requirements and Advice</b>
<p>Assessment must include evidence of the following knowledge and skills:</p> <ul style="list-style-type: none"> <li>• detailed knowledge of the properties, applications and durability of different types of materials that can be used for prop construction and how these can be combined</li> <li>• legislative and organisational occupational health and safety standards, including safe handling of hazardous materials</li> <li>• the behaviour of various materials, finishes, painting techniques and colours under lighting</li> <li>• the properties and characteristics of a variety of materials before and after art finishing</li> <li>• general knowledge of the properties of materials used in props construction</li> <li>• environmental issues associated with tools and materials used in props</li> <li>• awareness of copyright, moral rights and intellectual property issues and legislation</li> <li>• literacy skills sufficient to interpret production documentation</li> <li>• numeracy skills sufficient to calculate measurements and quantities and to interpret construction plans.</li> </ul>	<p>This unit has linkages to a range of other props, sets and scenic art units and to units within the Visual Arts Craft and Design Training Package. Combined assessment and/or training with those units may be appropriate.</p>	<p>Assessment of this unit requires access to:</p> <ul style="list-style-type: none"> <li>• equipment and materials used to make props</li> <li>• design specifications for props.</li> </ul>	<p><b>Key Terms and Concepts</b></p> <ul style="list-style-type: none"> <li>• adjustments</li> <li>• calculation of measurements and quantities</li> <li>• cleaning and maintenance</li> <li>• coding and labelling</li> <li>• construction plans</li> <li>• design concept</li> <li>• fireproofing</li> <li>• mixed media</li> <li>• occupational health and safety (OHS)</li> <li>• production documentation</li> <li>• properties of materials</li> <li>• props construction methods and techniques</li> <li>• props specifications</li> <li>• props storage</li> <li>• scale drawings</li> <li>• tools and equipment</li> <li>• visual effects</li> </ul>

Method and context of assessment	Critical aspects of evidence	HSC Requirements and Advice
<p>The assessment context must provide for:</p> <ul style="list-style-type: none"> <li>• practical demonstration of skills through the creation of mixed-media props for a nominated production</li> <li>• involvement of and interaction with a production team to reflect the collaborative nature of the production process.</li> </ul> <p>Assessment may incorporate a range of methods to assess performance and the application of essential underpinning knowledge, and might include:</p> <ul style="list-style-type: none"> <li>• direct observation of the candidate using techniques to create props</li> <li>• evaluation of items created by the candidate in terms of suitability of construction methods and quality of finishing</li> <li>• oral or written questioning to assess knowledge of different techniques and safety issues</li> <li>• review of portfolios of evidence and third party workplace reports of on-the-job performance by the candidate.</li> </ul> <p>Assessment methods should closely reflect workplace demands and the needs of particular groups (eg 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).</p>	<p>The following evidence is critical to the judgement of competence in this unit:</p> <ul style="list-style-type: none"> <li>• use of safe techniques to create mixed-media props to meet production requirements</li> <li>• detailed knowledge of the props construction process, the use of different media and the effects that can be achieved.</li> </ul>	

### Key competencies in this unit

Key competencies are built into all workplace competencies. The table below describes those applicable to this unit. Trainers and assessors should ensure that they are addressed in training and assessment.

Level 1 = Perform      Level 2 = Administer and Manage      Level 3 = Design and Evaluate

Key competencies	Level	Examples
Collecting, organising and analysing information	2	Interpreting production requirements
Communicating ideas and information	2	Briefing colleagues on work requirements
Planning and organising activities	3	Organising materials and equipment for multiple pieces of scenic art
Working with others and in teams	2	Liaising with other production colleagues
Using mathematical ideas and techniques	2	Calculating quantities of paint required
Solving problems	2	Resolving a conflict with other workshop colleagues in relation to resource allocation
Using technology	2	Using equipment

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1 Determine props requirements	1.1 Correctly interpret the props production schedule, props specifications, lists and scale drawings	<p>The following explanations identify how this unit may be applied in different workplaces, sectors and circumstances.</p> <p>Props may include:</p> <ul style="list-style-type: none"> <li>• hand props, eg food and beverage, blood, gore</li> <li>• furniture</li> <li>• vehicles</li> <li>• equipment</li> <li>• costume props, eg armour, weapons, jewellery</li> <li>• pre-production prototypes</li> <li>• mechanised props</li> <li>• cable controlled props</li> <li>• electrically controlled</li> <li>• pneumatically controlled props</li> <li>• special effects props</li> </ul> <p>Documentation may be:</p> <ul style="list-style-type: none"> <li>• descriptive props checklists</li> <li>• fault reports</li> <li>• budgets</li> <li>• props design</li> <li>• scripts</li> <li>• production schedules</li> <li>• running sheets</li> <li>• props schedule/plan</li> <li>• props breakdown lists</li> <li>• measurement charts</li> <li>• operational/project plan</li> <li>• technical drawings</li> <li>• sketches</li> <li>• colour charts</li> <li>• paint colour formulas</li> </ul>	<p><b>Learning experiences for the HSC must address:</b></p> <p>Sources of information to determine the props requirements for an entertainment event:</p> <ul style="list-style-type: none"> <li>• interpreting the script</li> <li>• communicating with the director, stage manager, production manager and performers</li> <li>• following a prop production schedule, prop specifications and prop list</li> <li>• accessing appropriate documentation <ul style="list-style-type: none"> <li>- descriptive prop checklist</li> <li>- budget</li> <li>- props design</li> <li>- script</li> <li>- running sheet</li> <li>- prop schedule/plan</li> <li>- measurement charts</li> <li>- operational/project plan.</li> </ul> </li> </ul> <p>An awareness of a range of props including:</p> <ul style="list-style-type: none"> <li>• hand props</li> <li>• furniture</li> <li>• vehicles</li> <li>• equipment</li> <li>• costume props</li> <li>• pre-production prototypes</li> <li>• mechanised props</li> <li>• special effects props.</li> </ul>
	1.2 Liaise with relevant personnel to confirm the props production requirements	<p>Relevant may include:</p> <ul style="list-style-type: none"> <li>• designers</li> <li>• performers</li> <li>• other props staff</li> <li>• supervisors</li> <li>• director of photography</li> <li>• directors</li> </ul>	<p><b>Learning experiences for the HSC must address:</b></p> <p>Awareness of roles, responsibilities and interrelationship between personnel including:</p> <ul style="list-style-type: none"> <li>• props department personnel</li> <li>• production designer</li> <li>• head of department</li> <li>• director of photography</li> </ul>

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	<p>1.3 Contemplate and consider props construction methods and techniques to ensure that correct visual interpretation of the production requirements is met through close liaison with relevant personnel</p>	<ul style="list-style-type: none"> <li>• producers</li> <li>• other technical staff</li> </ul> <p>Methods and techniques within this unit could be quite broad in nature and may include:</p> <ul style="list-style-type: none"> <li>• moulding</li> <li>• painting</li> <li>• sculpting and other shaping methods</li> <li>• gluing</li> <li>• metalwork, eg cutting, welding, brazing</li> <li>• woodworking</li> </ul> <p>Relevant may include:</p> <ul style="list-style-type: none"> <li>• designers</li> <li>• performers</li> <li>• other props staff</li> <li>• supervisors</li> <li>• director of photography</li> <li>• directors</li> <li>• producers</li> <li>• other technical staff</li> </ul>	<ul style="list-style-type: none"> <li>• director</li> <li>• production manager</li> <li>• other technical/specialist staff</li> <li>• floor/stage manager.</li> </ul> <p><b>Learning experiences for the HSC must address:</b></p> <p>Knowledge of a range of methods and techniques to construct props.</p> <p>An awareness of the influences on the choices of methods and techniques to create visual effects including:</p> <ul style="list-style-type: none"> <li>• supervisor’s instructions</li> <li>• budget</li> <li>• time constraints</li> <li>• materials available <ul style="list-style-type: none"> <li>- recyclable</li> <li>- contemporary</li> </ul> </li> <li>• historical use of materials and methods for props production</li> <li>• manufacturer’s instructions.</li> </ul>
<p>2 Prepare for props production</p>	<p>2.1 Ensure that props construction meets the aesthetic requirements and provides the correct visual interpretation of the production requirements</p> <p>2.2 Determine the accurate measurements for the construction of the props item and make any alterations to the design scale drawings</p>		<p><b>Learning experiences for the HSC must address:</b></p> <p>Understanding of the design concept through interpretation of:</p> <ul style="list-style-type: none"> <li>• script</li> <li>• design drawings</li> <li>• model box</li> <li>• props specifications</li> <li>• discussions with the <ul style="list-style-type: none"> <li>- creative production team</li> <li>- supervisor.</li> </ul> </li> </ul> <p>Awareness of the aesthetics of a range of materials and construction methods.</p> <p><b>Learning experiences for the HSC must address:</b></p> <p>Calculation of quantities of materials for prop construction including:</p> <ul style="list-style-type: none"> <li>• a working knowledge of</li> </ul>

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			<ul style="list-style-type: none"> <li>- measuring tools</li> <li>- scale drawings</li> <li>- materials lists</li> <li>• use of mathematical concepts               <ul style="list-style-type: none"> <li>- volume</li> <li>- mass</li> <li>- length, breadth and height</li> </ul> </li> <li>• waste minimisation               <ul style="list-style-type: none"> <li>- estimation of waste calculated into overall requirements</li> </ul> </li> <li>• working with geometric and irregular shapes.</li> </ul>
	2.3 Select and prepare the required equipment, tools and materials in accordance with the design and specification requirements	Props must be constructed from a range of different media. Media may include: <ul style="list-style-type: none"> <li>• timber</li> <li>• timber products, eg plywood, particle board, craftwood</li> <li>• masonite</li> <li>• metal products, eg bars, tubes, sheets</li> <li>• moulded or cast metal</li> <li>• fibreglass</li> <li>• fabrics</li> <li>• plastics, eg moulded sheet</li> <li>• fabric</li> <li>• leather</li> <li>• paper products</li> <li>• plaster</li> <li>• mouldable materials</li> <li>• thermoplastic</li> <li>• polystyrene</li> <li>• fasteners</li> <li>• adhesives</li> </ul>	<p><b>Learning experiences for the HSC must address:</b></p> <p>An awareness of the use of a range of hand and power tools and equipment including:</p> <ul style="list-style-type: none"> <li>• name</li> <li>• properties</li> <li>• use</li> <li>• potential hazards</li> <li>• safety precautions.</li> </ul> <p>A basic knowledge of the properties, use and visual effects of a range of media.</p>
	2.4 Determine the appropriate methods and techniques to be used for the production of the prop, in accordance with the design and specification requirements	Methods and techniques within this unit could be quite broad in nature and may include: <ul style="list-style-type: none"> <li>• moulding</li> <li>• painting</li> <li>• sculpting and other shaping methods</li> <li>• gluing</li> <li>• metalwork, eg cutting, welding, brazing</li> <li>• woodworking</li> </ul>	<p><b>Learning experiences for the HSC must address:</b></p> <p>Considerations for the selection of construction methods, techniques and finishes for props including:</p> <ul style="list-style-type: none"> <li>• number of times to be used</li> <li>• how the item will be used</li> <li>• proximity of audience</li> <li>• visibility by audience               <ul style="list-style-type: none"> <li>- full view</li> </ul> </li> </ul>

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			<ul style="list-style-type: none"> <li>- front view only</li> <li>• style of rest of the set</li> <li>• materials used</li> <li>• occupational health and safety (OHS) issues</li> <li>• special requirements.</li> </ul> <p>Sources of props including:</p> <ul style="list-style-type: none"> <li>• existing props stores</li> <li>• purchased from shops</li> <li>• modification of existing props</li> <li>• in-house construction.</li> </ul>
3 Make props	3.1 Participate in ongoing discussions with appropriate personnel throughout the construction process, to ensure props design requirements are met	Relevant may include: <ul style="list-style-type: none"> <li>• designers</li> <li>• performers</li> <li>• other props staff</li> <li>• supervisors</li> <li>• director of photography</li> <li>• directors</li> <li>• producers</li> <li>• other technical staff</li> </ul>	<p><b>Learning experiences for the HSC must address:</b></p> <p>Awareness of the roles, responsibilities and interrelationship of those working within the props workshop and the creative production team.</p>
	3.2 Construct the props items using the selected materials, construction techniques and finishes	Props must be constructed from a range of different media. Media may include: <ul style="list-style-type: none"> <li>• timber</li> <li>• timber products, eg plywood, particle board, craftwood</li> </ul>	<p><b>Learning experiences for the HSC must address:</b></p> <p>An awareness of a range of enterprise/organisation procedures for the construction of props.</p>
	3.3 Follow appropriate safety procedures throughout the construction process in accordance with organisational and legislative requirements	<ul style="list-style-type: none"> <li>• masonite</li> <li>• metal products, eg bars, tubes, sheets</li> <li>• moulded or cast metal</li> <li>• fibreglass</li> <li>• fabrics</li> <li>• plastics, eg. moulded sheet</li> <li>• fabric</li> <li>• leather</li> <li>• paper products</li> <li>• plaster</li> <li>• mouldable materials</li> <li>• thermoplastic</li> </ul>	<p><b>Learning experiences for the HSC must address:</b></p> <p>A basic understanding of OHS legislation.</p> <p>Awareness of OHS safety procedures involved in the construction of props including those related to:</p> <ul style="list-style-type: none"> <li>• risk management</li> <li>• adequate lighting and ventilation</li> <li>• use of personal protective equipment (PPE)</li> <li>• safe use of hazardous substances</li> <li>• adherence to manufacturer’s instructions</li> <li>• reference to Material Safety Data Sheet (MSDS).</li> </ul>
	3.4 Participate in any ongoing production technique trials to establish the best	<ul style="list-style-type: none"> <li>• polystyrene</li> <li>• fasteners</li> <li>• adhesives</li> </ul>	

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	results during the production of the props items, including: <ul style="list-style-type: none"> <li>- colour mixes</li> <li>- textures</li> <li>- materials</li> <li>- construction techniques</li> <li>- construction of prototypes</li> <li>- painting styles</li> </ul>	Methods and techniques within this unit could be quite broad in nature and may include: <ul style="list-style-type: none"> <li>• moulding</li> <li>• painting</li> <li>• sculpting and other shaping methods</li> <li>• gluing</li> <li>• metalwork, eg cutting, welding, brazing</li> <li>• woodworking</li> </ul>	
	3.5 Correctly label and code all partially finished props items for identification during the production phase		<b>Learning experiences for the HSC must address:</b> Information to be recorded including: <ul style="list-style-type: none"> <li>• entertainment production for prop use</li> <li>• production team</li> <li>• requirements to be finished</li> <li>• date to be finished by.</li> </ul>
	3.6 Store the partially finished props items during the production phase to avoid loss or damage		<b>Learning experiences for the HSC must address:</b> Issues relating to the storage of props including: <ul style="list-style-type: none"> <li>• security</li> <li>• climatic affects</li> <li>• OHS considerations               <ul style="list-style-type: none"> <li>- stability</li> <li>- manual handling</li> </ul> </li> <li>• damage</li> <li>• accessibility</li> <li>• rodents</li> <li>• space considerations.</li> </ul>
4 Finish and check mixed media props	4.1 Complete required fireproofing in accordance with occupational and public health and safety legislation requirements		<b>Learning experiences for the HSC must address:</b> Awareness of legislative requirements for fireproofing and methods of fireproofing prop items.
	4.2 Liaise with relevant personnel to evaluate and check the props items for accuracy and compliance with design and production specification requirements		

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	4.3 Identify and make any necessary adjustments in accordance with discussions, making accurate changes to relevant documentation		
	4.4 Correctly label and code all props elements for identification during the production		<p><b>Learning experiences for the HSC must address:</b></p> <p>Awareness of methods to correctly label and code all prop elements for identification during the production, including:</p> <ul style="list-style-type: none"> <li>• catalogues</li> <li>• written labels</li> <li>• computer lists.</li> </ul>
	4.5 Store the props in accordance with organisational procedures		
	4.6 Clean, maintain and store tools, equipment and materials in accordance with relevant workplace and safety requirements		<p><b>Learning experiences for the HSC must address:</b></p> <p>Enterprise/organisation procedures for cleaning and maintenance including:</p> <ul style="list-style-type: none"> <li>• removal of dirt/stains/marks</li> <li>• identification of required repairs.</li> </ul> <p>Awareness of a range of cleaning techniques including:</p> <ul style="list-style-type: none"> <li>• wiping</li> <li>• washing</li> <li>• brushing</li> <li>• steaming</li> <li>• use of cleaning agents <ul style="list-style-type: none"> <li>- detergents</li> <li>- chemicals.</li> </ul> </li> </ul>