

Training Package	Entertainment (CUE03)	HSC Requirements and Advice
Title	Apply a general knowledge of props construction	
Unit code CUEPRP03A	Unit Descriptor This unit describes the foundation skills and knowledge required to use a range of techniques, materials and equipment for the construction of props. As such the unit covers general knowledge and the application of basic techniques. A person working under supervision would generally undertake this role. Skills working with hand and power tools would generally be required to complete this unit.	HSC Indicative Hours 10

Evidence Guide			
Underpinning skills and knowledge	Linkages to other units	Resource requirements	HSC Requirements and Advice
Assessment must include evidence of the following knowledge and skills: <ul style="list-style-type: none"> • the scope of props items that may be constructed and the factors that impact on whether to construct or acquire by other means • the properties and applications of materials commonly used for prop construction, including paper, latex, foam, canvas and leather • the properties and applications of contact adhesives commonly used for props construction • types of tools commonly used for props construction • safety and environmental issues associated with the use of tools, materials and adhesives • techniques for the manipulation of materials commonly used in prop construction • the links between the intended use of a prop and the selection of materials and construction method • literacy skills sufficient to interpret props documentation and read product labels • numeracy skills sufficient to calculate quantities of materials and take basic measurements. 	This unit underpins and has strong links to other props construction units and combined assessment and/or training with those units is recommended.	This unit requires access to: <ul style="list-style-type: none"> • materials, tools and equipment commonly used for props construction • a workspace in which props can be constructed safely. 	Key Terms and Concepts <ul style="list-style-type: none"> • acquisition of props • calculation of quantities • communication • construction problems and faults • construction techniques • documentation • environmental issues • hand and power tools • materials and equipment • occupational health and safety (OHS) • problem-solving • props construction requirements • waste minimisation • working co-operatively.

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"> practical demonstration of skills through the use of techniques, materials and equipment to construct a prop. <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"> direct observation of the candidate using particular techniques, tools and equipment evaluation of items constructed by the candidate in terms of quality of finish oral or written questioning to assess knowledge of materials and safety issues review of portfolios of evidence and third party workplace reports of on-the-job performance by the candidate. 	<p>The following evidence is critical to the judgement of competence in this unit:</p> <ul style="list-style-type: none"> ability to use techniques materials and equipment safely for the construction of props knowledge of the properties and applications of different materials, tools, equipment for different types of props. 	

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	1	Reading and interpreting safety instructions on chemicals
Communicating ideas and information	1	Advising colleagues when a hazardous substance is about to be used
Planning and organising activities	1	Preparing appropriate tools and equipment prior to construction
Working with others and in teams	1	Liaising with supervisor on construction requirements
Using mathematical ideas and techniques	1	Calculating quantities of materials required
Solving problems	1	Responding to a situation where adhesion does not occur as planned
Using technology	1	Using a sewing machine

Element	Performance Criteria	Range Statement	HSC Requirements and Advice
1 Select equipment and materials in preparation for construction	1.1 Liaise with supervisor to determine the nature of props to be constructed	<p>The following explanations identify how this unit may be applied in different workplaces, sectors and circumstances.</p> <p>Props requiring construction may include a vast range of items but props construction at this level would generally involve the use of:</p> <ul style="list-style-type: none"> • paper • latex • foam • leather • canvas • adhesives (PVA glue, liquid nails) 	<p>Learning experiences for the HSC must address:</p> <p>General function and use of a range of props to be constructed including:</p> <ul style="list-style-type: none"> • hand props • furniture • vehicles • equipment • costume props • pre-production prototypes • mechanised props • special effects props. <p>Determining the types of props required for an entertainment event including:</p> <ul style="list-style-type: none"> • interpreting the script • communicating with the director, stage manager, production manager and performers • following a set production schedule, props specifications and props list • interpreting scale and technical drawings • accessing appropriate documentation <ul style="list-style-type: none"> - budget - time schedule - set design - running sheet - measurement chart - operational/project plan. <p>Influences affecting the acquisition of props and the decision to construct in-house including:</p> <ul style="list-style-type: none"> • enterprise/organisation purchasing policy • timeframe for production • budget allocation • prop costing • existing props that may be altered • availability of materials, tools and equipment.
	1.2 Correctly identify and select appropriate materials for prop construction in accordance with instructions and the intended use for the prop	<p>Props requiring construction may include a vast range of items but props construction at this level would generally involve the use of:</p> <ul style="list-style-type: none"> • paper • latex 	<p>Learning experiences for the HSC must address:</p> <p>General knowledge of the properties, use and visual effects of a range of materials.</p>

Element	Performance Criteria	Range Statement	HSC Requirements and Advice
		<ul style="list-style-type: none"> • foam • leather • canvas • adhesives (PVA glue, liquid nails) 	
	1.3 Calculate correct quantities of materials required and minimise waste where possible		<p>Learning experiences for the HSC must address:</p> <p>Understanding of the importance of accuracy in the interpretation of measurements.</p> <p>Calculation of quantities of materials for prop construction including:</p> <ul style="list-style-type: none"> • a working knowledge of <ul style="list-style-type: none"> - measuring tools - scale drawings - materials list • use of mathematical concepts <ul style="list-style-type: none"> - volume - mass - length, breadth and height • waste minimisation <ul style="list-style-type: none"> - estimation of waste calculated into overall requirements • working with geometric and irregular shapes.
	1.4 Select appropriate equipment and tools in accordance with materials being used and type of prop construction required	<p>Tools and equipment for prop construction may include:</p> <ul style="list-style-type: none"> • scissors/cutters • sewing machines • hand tools • power tools 	<p>Learning experiences for the HSC must address:</p> <p>An awareness of a range of hand and power tools/equipment including:</p> <ul style="list-style-type: none"> • properties • use • potential hazards • safety precautions.
2 Use props construction techniques	2.1 Correctly use techniques to construct props, including the safe use of adhesives	<p>Safety procedures associated with the use of props construction materials may include:</p> <ul style="list-style-type: none"> • ensuring adequate ventilation • wearing of protective clothing • warning colleagues about use of specific chemicals • adherence to product instruction 	<p>Learning experiences for the HSC must address:</p> <p>Knowledge of a range of methods and techniques to construct props.</p> <p>A basic understanding of occupational health and safety (OHS) legislation.</p>
	2.2 Complete the prop construction process in a logical manner		

Element	Performance Criteria	Range Statement	HSC Requirements and Advice
	2.3 Follow appropriate safety procedures throughout the prop construction process in accordance with organisational and legislative requirements		Learning experiences for the HSC must address: Awareness of OHS safety procedures involved in the construction of sets, including those related to: <ul style="list-style-type: none"> • risk management • adequate lighting and ventilation • correct manual handling • use of personal protective equipment (PPE) • safe use of hazardous substances • adherence to manufacturer's instructions • reference to Material Safety Data Sheet (MSDS) • warning colleagues of the use of hazardous materials • emergency procedures.
	2.4 Work co-operatively with other team members to ensure efficiency and quality in the set construction process		Learning experiences for the HSC must address: Understanding of the roles, responsibilities and interrelationships of those working within the props workshop and the creative production team. Understanding of the importance of communication and cooperative work practices.
	2.5 Identify any problems with the prop construction process promptly and take appropriate action within scope of individual responsibility	Typical problems that may occur in props construction may include: <ul style="list-style-type: none"> • difficulty in achieving sufficient adhesion • need to change combinations of materials 	Learning experiences for the HSC must address: The importance of acting within level of authority in terms of: <ul style="list-style-type: none"> • taking initiative • problem-solving • decision-making. Solutions to a range of potential faults: <ul style="list-style-type: none"> • prior to production • during performance.