



Australian Government

Department of Education, Employment and Workplace Relations

CUVW00501A Refine woodworking techniques

Release: 1

CUVWOO501A Refine woodworking techniques

Modification History

Version	Comments
CUVWOO501A	This version first released with <i>CUV11 Visual Arts, Craft and Design Training Package version 1.0</i>

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to refine techniques for working with wood and to develop an individual style in a body of creative work. This occurs through a process of research, refinement and evaluation.

Application of the Unit

Visual artists and designers whose practice includes the design and making of wooden objects apply the skills and knowledge in this unit. Those objects may be works in their own right or be components of other works in other media. Technical skills for specific woodworking processes are also described in the furniture design units in LMF02 Furnishing Training Package.

At this level, the practitioner has a well-developed command of technical woodworking skills as well as the conceptual and creative skills to create a coherent body of work.

Technique refinement is a largely independent activity with mentoring and guidance as required. It would normally include work with several different techniques as part of the process of developing an individual style. In practice, this process is integrated with the skills described in the unit CUVPRP501A Realise a body of creative work.

Licensing/Regulatory Information

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

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Element	Performance Criteria
<i>Elements describe the essential outcomes of a unit of competency.</i>	<i>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.</i>

Elements and Performance Criteria

1. Research woodworking ideas and techniques	<p>1.1 Support professional practice by expanding own knowledge of historical and contemporary woodworking practice</p> <p>1.2 Research ways that other artists and designers have used different <i>woodworking techniques</i></p> <p>1.3 Investigate how particular woodworking techniques achieve different <i>technical effects</i></p> <p>1.4 Evaluate the relationships between woodworking techniques and ideas</p> <p>1.5 Adapt and use relevant ideas and approaches with consideration of <i>intellectual property requirements</i></p>
2. Select woodworking techniques for refinement	<p>2.1 Consider <i>opportunities</i> offered by different woodworking techniques</p> <p>2.2 Determine <i>limitations and constraints</i> of particular techniques</p> <p>2.3 Select woodworking techniques for <i>refinement</i></p>
3. Determine safety requirements for woodwork	<p>3.1 Investigate safety issues associated with woodwork</p> <p>3.2 Set up work space according to safety requirements</p> <p>3.3 Establish and follow <i>safe work practices</i></p> <p>3.4 Monitor key safety issues during the production of work</p>
4. Consolidate woodworking technique to professional level	<p>4.1 Develop increasing confidence and skill through practice and experimentation</p> <p>4.2 Proactively identify and resolve <i>technical problems</i> in woodworking projects based on developing expertise</p> <p>4.3 Challenge and test ideas, and allow new and unpredictable ideas to emerge</p> <p>4.4 Evolve ideas and other professional skills through ongoing experimentation with technique</p> <p>4.5 Develop own ways of working with techniques to create individual style</p> <p>4.6 Create a <i>coherent body of woodwork</i> that shows command of selected techniques</p>
5. Evaluate own woodworking technique	<p>5.1 Evaluate development of own technique with others and seek feedback</p> <p>5.2 Seek and participate in conversations that challenge and explore different ideas and approaches</p> <p>5.3 Reflect on ways that experimentation with different</p>

	techniques has informed own work 5.4 Identify <i>ways in which technique may be further developed</i> as part of a professional practice and build ideas into future work
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Required Skills and Knowledge

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

Required skills

- communication skills to engage with others about the technical and conceptual aspects of woodwork
- critical thinking and analytical skills to:
 - evaluate and make judgements about relationships between woodworking techniques, effects and ideas
 - make critical evaluations of own woodworking technique
 - make critical evaluations of research findings
- initiative and enterprise skills to identify and act on opportunities for own practice presented by research and experimentation
- learning skills to develop and refine own skills to a professional practice standard
- literacy skills to analyse complex and varied information about woodworking technique
- problem-solving skills to identify and resolve technical problems in woodworking work
- self-management and planning skills to create a coherent body of woodwork
- technical skills to show command of chosen woodworking techniques at a professional level
- technology skills to use the internet as a research tool.

Required knowledge

- relationship between woodworking technique, particular effects and ideas – in the work of other artists and designers and in the context of own practice
- extended range of information sources that support research in woodworking practice
- cultural, sociological, philosophical, aesthetic, political and commercial influences on woodwork, in historical and contemporary contexts
- professional development opportunities for artists developing a woodworking practice
- elements and principles of design and how they may be used, adapted and challenged in the creation of work
- intellectual property issues and legislation associated with woodworking as a professional practice
- sustainability issues for the professional operation of a woodworking practice
- OHS requirements for the set-up and operation of a professional work space for woodwork.

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.

Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	<p>Evidence of the ability to:</p> <ul style="list-style-type: none"> • evolve and refine woodworking technique through a demonstrated process of experimentation • develop individual style in own work • produce a coherent body of professional work that includes the use of well-developed woodworking technique • research woodworking technique in the broader context of other artwork and artists • use safe and sustainable work practices.
Context of and specific resources for assessment	<p>Assessment must ensure access to:</p> <ul style="list-style-type: none"> • equipment, materials and tools used to produce woodworking work.
Method of assessment	<p>A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit:</p> <ul style="list-style-type: none"> • evaluation of woodworking technique within a body of work produced by the candidate • evaluation of processes used by the candidate to evolve and refine woodworking technique • evaluation of the work documentation • direct observation of woodworking in progress, including exploration of, and experimentation with, techniques • questioning and discussion about candidate's intentions and the work outcome • review of portfolios of evidence • review of third-party reports from experienced practitioners. <p>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).</p>
Guidance information for assessment	<p>Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended, for example:</p> <ul style="list-style-type: none"> • CUVPRP501A Realise a body of creative work.

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.

<p>Woodworking techniques:</p>	<p>may include:</p> <ul style="list-style-type: none"> • advanced wood machining • laminating • marquetry • steam bending • carving • complex hand techniques • complex jig making • digital techniques • extended computer-aided drafting • extended wood turning skills • manufacture of full scale mock-ups • model making • production and use of simple jigs • prototyping assemblage • technical drawing • texturing • wood finishing • wood turning • may involve use of the following tools and equipment: <ul style="list-style-type: none"> • CNC routers • metal cutting and forming equipment • metal lathes • spindle moulders • wood turning lathes.
<p>Technical effects may include:</p>	<ul style="list-style-type: none"> • colour • form • shapes • surface texture • use of hardware.
<p>Intellectual property requirements may relate</p>	<ul style="list-style-type: none"> • copyright • design licensing regulations

to:	<ul style="list-style-type: none"> • form of acknowledgement or credit • moral rights • protocols for the adaptation of work by others • trademarks.
Opportunities may relate to:	<ul style="list-style-type: none"> • communication of ideas • natural affinity with particular techniques • potential for combining techniques • potential for interactions between technique and media • themes in work.
Limitations and constraints may relate to:	<ul style="list-style-type: none"> • availability of materials • capacity of technique to deliver required effect • own interaction with technique • resources • time.
Refinement may include:	<ul style="list-style-type: none"> • ability to use technique with confidence • use of technique in a body of professional work.
Safe work practices may include:	<ul style="list-style-type: none"> • completing material safety data sheets (MSDS) • correct disposal of waste materials • dust and fume extraction • ergonomic safety • managing risk • reporting accidents and incidents • safe use of tools and equipment • using clearly designated wet and dry areas • using personal protective equipment (PPE).
Technical problems may include:	<ul style="list-style-type: none"> • innovative use of materials and practices • need to modify and develop hardware • need to modify and develop tools and equipment.
Coherent body of woodwork is:	<ul style="list-style-type: none"> • conceptually resolved • documented in terms of its development • subject to critical feedback by others • technically resolved • thematically connected.
Ways in which technique may be further developed may include:	<ul style="list-style-type: none"> • collaboration • further study • intensive workshops • mentored guidance • new projects.

Unit Sector(s)

Visual communication – wood

Custom Content Section

Not applicable.