



Australian Government

Department of Education, Employment and Workplace Relations

MEM19038A Apply traditional techniques to jewellery and 3D object production

Release: 2

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Modification History

Release 2 - Band A and 4 points allocated to unit for use in Certificate IV

Unit Descriptor

This unit of competency covers the skills and knowledge required to produce jewellery items using traditional techniques. It includes conducting research to assess the suitability of traditional techniques for achieving desired outcomes and identifying and addressing problems which may arise in reproduction.

Application of the Unit

This unit is applied to jewellery production using traditional techniques and incorporating them into contemporary jewellery manufacture.

Band A
Unit Weight 4

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

1	Identify item requirements employing traditional techniques	1.1	Identify and research features and applications of a given traditional object production technique
		1.2	Establish requirements for applying a given technique to a specific source documentation and/or appropriate persons
		1.3	Assess the suitability of the required technique to specific jewellery, identify potential problems and difficulties and consider alternatives with appropriate persons
2	Select and source materials and equipment	2.1	Identify and source materials appropriate to the production of the item
		2.2	Obtain and/or produce tools and equipment appropriate to the technique
3	Apply traditional techniques to produce item	3.1	Identify and implement occupational health and safety (OHS) requirements for carrying out the work and for the work area
		3.2	Identify and plan stages, materials and tools/equipment involved in the technique
		3.3	Identify and use other information and conditions relevant to the technique
		3.4	Reproduce traditional jewellery or object production technique to meet standards and client expectations

Required Skills and Knowledge

Required knowledge includes:

- features, applications and traditional development of traditional techniques
- problems and difficulties in applying techniques
- guidelines/principles/conditions for successful application of given technique
- stages and steps involved in producing given technique
- tools and equipment for applying given technique

Required skills include:

- researching particular techniques
- questioning and clarifying information
- planning the steps in a process
- operating/using relevant hand tools and equipment
- applying a given traditional technique

Evidence Guide

Overview of assessment	A person who demonstrates competency in this unit must be able to replicate traditional techniques in the production of jewellery and 3D objects.
Critical aspects for assessment and evidence required to demonstrate competency in this unit	<p>Assessors must be satisfied that the candidate can competently and consistently:</p> <ul style="list-style-type: none"> • implement OHS workplace procedures and practices, including the use of risk control measures • identify features and applications of a given traditional technique • identify conditions for successful application of given technique • apply a given technique to selected items.
Context of and specific resources for assessment	<ul style="list-style-type: none"> • Assessment may occur on the job or in an appropriately simulated environment. Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices. • Where applicable, reasonable adjustment must be made to work environments and training situations to accommodate ethnicity, age, gender, demographics and disability. • Access must be provided to appropriate learning and/or assessment support when required. Where applicable, physical resources should include equipment modified for people with disabilities.
Method of assessment	<ul style="list-style-type: none"> • Assessment must satisfy the endorsed Assessment Guidelines of the MEM05 Metal and Engineering Training Package. • Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with application of underpinning knowledge. • Assessment methods must be by direct observation of tasks and include questioning on underpinning knowledge to ensure its correct interpretation and application. • Assessment may be applied under project-related conditions (real or simulated) and require evidence of process. • Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred

	<p>to other circumstances.</p> <ul style="list-style-type: none">• Assessment may be in conjunction with assessment of other units of competency where required.
Guidance information for assessment	Assessment processes and techniques must be culturally appropriate and appropriate to the language and literacy capacity of the candidate and the work being performed.

Range Statement

Appropriate personnel	<p>Appropriate personnel may include:</p> <ul style="list-style-type: none"> • supervisor • manager • trainer • mentor • teacher • team member • client
OHS requirements	<p>OHS requirements may include:</p> <ul style="list-style-type: none"> • legislation • protective equipment • material safety management systems • hazardous substances and dangerous goods code • local safe operation procedures • awards provisions
Environmental requirements	<p>Environmental requirements may relate to:</p> <ul style="list-style-type: none"> • liquid waste • solid waste • gas, fumes, vapour, smoke emissions, including fugitive emissions, and dust • excessive energy and water use • excessive noise
Enterprise procedures	<p>Enterprise procedures may include:</p> <ul style="list-style-type: none"> • the use of tools and equipment • instructions, including job sheets, cutting lists, plans, drawings and designs • reporting and communication • manufacturer specifications • operational procedures
Traditional techniques	<p>Traditional techniques may include:</p> <ul style="list-style-type: none"> • filigree • repousse • chasing • granulation • mokume gane • pamor • niello

Resources	Resources may include: <ul style="list-style-type: none">• material for given technique• reference publications
Equipment	Equipment may include: <ul style="list-style-type: none">• hand and power tools• machines

Unit Sector(s)

Jewellery and horological

Custom Content Section

Not applicable.