



Australian Government

MSTTD4009 Assist in the development of textile designs

Release: 1

MSTTD4009 Assist in the development of textile designs

Modification History

Release 1. Supersedes and is equivalent to LMTTD4009A Assist in the development of textile designs

Application

This unit of competency covers the skills and knowledge required to assist with the development of designs for textiles products.

The unit of competency applies to assisting others to develop design concepts for textile products according to a specified brief. Work includes research, creation or adaptation of designs, and preparation of design concepts for presentation.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

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

Pre-requisite Unit

Nil

Competency Field

Textile design and development

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Determine job requirements	1.1	Follow standard operating procedures (SOPs)
		1.2	Comply with work health and safety (WHS) requirements at all times
		1.3	Use appropriate personal protective equipment (PPE) in accordance with SOPs
		1.4	Identify job requirements from specifications, drawings,

job sheets or work instructions

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| 2 | Prepare to develop textile designs | 2.1 Interpret design brief and clarify purpose of textile product |
| | | 2.2 Determine design requirements from brief |
| | | 2.3 Identify design constraints |
| | | 2.4 Analyse examples of textile products that meet aspects of the design brief to clarify design objectives |
| | | 2.5 Discuss brief with team members and establish design priorities |
| | | |
| 3 | Analyse technical requirements of design brief | 3.1 Research trends in yarns and raw materials used in similar textile products and compare against design requirements |
| | | 3.2 Assess technical requirements associated with textile production processes, within specified guidelines and according to workplace procedures |
| | | 3.3 Identify any additional expertise required for project |
| | | 3.4 Identify impacts of materials and processes on design |
| | | |
| 4 | Contribute to design concepts | 4.1 Develop preliminary concepts with others to explore possibilities |
| | | 4.2 Use storyboards, sketches or other tools used for textile designs to develop designs |
| | | 4.3 Apply principles of design and elements of design to development of design ideas |
| | | 4.4 Contribute ideas and discuss with team members to enhance success of project |
| | | 4.5 Examine design ideas against design brief and select design for further development |
| | | 4.6 Develop sample textile product to test design concept |

5	Assist in the preparation of presentation materials	5.1	Select techniques for presenting textile product design
		5.2	Develop support materials with team members to demonstrate features and benefits of textile design
		5.3	Document design details

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Workplace procedures include one or more of the following:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- SOPs
- work instructions
- PPE
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling
- WHS practices

Textile products include one or more of the following:

- tapestries
- knitted products
- woven products
- screen printed products
- carpets

Research trends include one or more of the following:

- performance
- colour
- availability
- care and maintenance requirements

Design requirements include two or more of the following:

- purpose
- design specifications, such as colour, yarn type, size and patterns
- production effects, such as warp, weft and tuft
- quality standards
- budget
- timeline
- pattern or images
- reproducibility
- uniqueness

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTTD4009A Assist in the development of textile designs

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>

Assessment Requirements for MSTTD4009 Assist in the development of textile designs

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria, and include:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices
- researching textile material and process trends
- assessing technical requirements of textile brief
- assisting with the preparation of preliminary design concepts
- developing at least two (2) sample textile product to test design concept
- producing sketches and other support materials manually or using computer-aided design (CAD) systems
- developing support materials with team members to demonstrate features and benefits of textile design
- documenting design details.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- the elements and principles of design and how they are used to create good design in the textiles industry
- elements of design:
 - line
 - shape and silhouette
 - colour
 - texture
 - value
- principles of design:
 - repetition
 - gradation
 - rhythm
 - radiation
 - harmony

- contrast
- dominance
- proportion
- balance
- unity
- global and local trends
- textile product construction
- research sources
- colour or colour mix and interpretation
- fabrics, fibres, yarns, accessories and their properties and characteristics
- quality practices
- workplace procedures
- recording and reporting practices.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in development of textile designs, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

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