



Australian Government

Department of Education, Employment and Workplace Relations

LMTTD4009A Assist in the development of textile designs

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

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

Application of the Unit

Application of the Unit

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

Discretion and judgement may be required, for both self and others, in planning and selecting processes, procedures or outcomes.

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

The application of this unit is according to OHS practices of the enterprise and workplace practices, which may include:

- requirements prescribed by legislation, awards agreements and conditions of employment
- standard operating procedures
- work instructions
- 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

This unit requires the application of skills associated with communication to interpret and document technical and conceptual information relating to textile design. Problem solving and initiative and enterprise are required to assist in design development and planning and organising skills are also used in order to prepare presentations. Teamwork skills are used to provide assistance to others.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Interpret design brief for textile product	1.1 Purpose of textile product is clarified and impact on design requirements analysed 1.2 Design requirements are determined from brief 1.3 Design constraints are identified 1.4 Examples of textile products that meet aspects of the design brief are analysed to clarify design objectives 1.5 Brief is discussed with team members and design priorities established
2 Analyse technical requirements of design brief	2.1 Trends in yarns and raw materials used in similar textile products are researched and performance, colour, availability, care and maintenance requirements compared against design requirements 2.2 Technical requirements associated with textile production processes are assessed, within specified guidelines and according to OHS practices. 2.3 Any additional expertise required for project is identified. 2.4 Impacts of materials and processes on design are identified.
3 Contribute to design concepts	3.1 Preliminary concepts are developed with others to explore possibilities. 3.2 Storyboards, sketches or other tools used for textile designs are used to develop designs. 3.3 Principles of design and elements of design are applied to development of design ideas. 3.4 Ideas are contributed and discussed with team members to enhance success of project. 3.5 Design ideas are examined against design brief and design selected for further development. 3.6 Sample textile product is developed to test design concept.
4 Assist in the preparation of presentation materials	4.1 Techniques for presenting textile product design are selected 4.2 Support materials are developed with team members to demonstrate features and benefits of textile design. 4.3 Design details are documented

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

Demonstrates knowledge of:

- the elements and principles of design and how they are used to create good design in the textiles industry
- global and local trends
- textile product construction
- research sources
- colour or colour mix and interpretation
- fabrics, fibres, yarns, accessories and their properties and characteristics
- OHS practices including hazard identification and control measures
- quality practices
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- provide effective assistance with the preparation of preliminary design concepts
- produce sketches manually or using CAD systems
- communicate effectively with individuals, work groups and supervisors
- interpret and carry out established procedures
- document and transfer information
- read, interpret and follow information on work specifications, standard operating procedures and work instructions, and other reference material
- maintain accurate records
- sequence operations
- meet specifications
- clarify and check task-related information
- carry out work according to OHS practices

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for the Training Package.

Critical aspects of evidence to be considered	Demonstrates skills and knowledge to: • research textile material and process trends • assess technical requirements of textile brief • contribute to design concepts • work as a member of a team • apply OHS practices • maintain accurate records
Consistency in performance	Consistently applies skills and knowledge when: • organising work • completing tasks • identifying improvements • using workplace practices • using OHS practices • recording and reporting accidents and incidents • assessing operational readiness of equipment used and work processes • recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions • completing work systematically with attention to detail without damage to goods and equipment
Resource implications	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.
Context for assessment	Assessment may occur on the job or in an appropriately simulated environment.
Interdependent assessment	This unit may be assessed independently or in combination with other relevant units.

Range Statement

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. Add any 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.

Legislative/regulatory requirements	All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.
Textile products may include:	• tapestries • knitted products • woven products • screen printed products • carpets
Design requirements may include	• purpose • design specifications such as colour, yarn type, size, patterns etc • production effects such as warp, weft, tuft • quality standards • budget • timeline • pattern or images • reproducibility • uniqueness
OHS practices	OHS practices must include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit and may include: • manual handling techniques • standard operating procedures • personal protective equipment • safe materials handling • taking of rest breaks • ergonomic arrangement of workplaces • following marked walkways • safe storage of equipment • housekeeping • reporting accidents and incidents • other OHS practices relevant to the job and enterprise
Principles of design may include	• repetition • pattern • gradation

Elements of design
may include

- rhythm
- radiation
- harmony
- contrast
- dominance
- proportion
- balance
- unity
- line
- shape and silhouette
- colour
- texture
- value

Unit Sector(s)

Sector Textile Design and Development