



Australian Government

MSTTD4012 Analyse use of colour in textiles

Release: 2

MSTTD4012 Analyse use of colour in textiles

Modification History

Release 2. Supersedes and is equivalent to MSTTD4012 Analyse use of colour in textiles (Release 1).

Pre-requisite unit, MSTGN2011 Identify fibres, fabrics and textiles used in the TCF industry, is **superseded by** MSTGN2013 Identify fibres, fabrics and textiles used in the TCF industry.

Release 1. Supersedes and is equivalent to LMTTD4012A Analyse use of colour in textiles.

Application

This unit of competency covers the skills and knowledge required to analyse and apply colour theory to the design process for textile products.

The unit of competency applies to the analysis of colour theory principles and elements, and experimentation with colour to inform textile design process and produce new colour schemes.

Work is supervised and 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

MSTGN20 13 Identify fibres, fabrics and textiles used in the TCF industry

MSTTD40 02 Prepare stencils and screens for textile printing

Competency Field

Textile design and development

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the Performance criteria describe the performance needed to

essential outcomes.	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
2	Prepare to analyse use of colour
2.1	Examine effects of colour dimensions
2.2	Identify relationship of colour theory to textile design process
2.3	Analyse visual or optical effects of colour
2.4	Collect and compare samples of textile products that demonstrate different visual effects, and apply workplace procedures
2.5	Analyse effects of colour used in textiles
3	Analyse suitable colour combinations to use in textile design
3.1	Develop colour combinations using computer software or manual processes
3.2	Use colour wheel and colour charts to assist colour investigations
3.3	Identify and illustrate new colour schemes
4	Explore colour in textile design
4.1	Identify different colour uses and compare for impact
4.2	Investigate colour forecasting options
4.3	Document colour investigations for future reference

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

Dimensions of colour include the following:

- value or tone
- hue
- chroma/ intensity/ clarity/saturation

Visual or optical effects include two or more of the following:

- size
- density
- value
- visual mixing
- simultaneous contrast
- motion
- texture

Colour combinations include two or more of the following:

- complementary or contrasting
- analogous or harmonious
- triad

- monochromatic

Unit Mapping Information

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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 MSTTD4012 Analyse use of colour in textiles

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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
- identifying uses of colour in textile designs
- preparing and using colour wheels and colour charts for at least two (2) textile samples
- using appropriate tools and equipment
- collecting and comparing at least ten (10) samples of textile products that demonstrate different visual effects
- using at least three (3) pieces of fabric to colour match all components to complement, such as zip, buttons, threads, linings and other appropriate trims
- documenting colour investigations for future reference
- applying workplace procedures.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- colour wheels and colour charts
- dimensions of colour
- visual or optical effects of colour
- uses of colour in textile designs
- characteristics of different fibres and fabrics
- tools and equipment for experimenting with colour
- workplace procedures
- documentation and record keeping.

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 analysing use of colour in textiles, at least to the level being assessed, with relevant industry knowledge and experience.
- Where possible assessment must 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 that reflects realistic operational workplace conditions that 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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