

Title	Demonstrate and apply knowledge of freehand sketching and geometric shapes for industrial textile fabrication		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to demonstrate knowledge of: producing freehand sketches in the industrial textile fabrication industry; and geometric shapes and construction. They are also able to produce freehand sketches in the industrial textile fabrication industry.
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Classification	Industrial Textile Fabrication > Industrial Textile Fabrication Core Skills
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Available grade	Achieved
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Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturer's information, company requirements, industry guidelines and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the Health and Safety at Work Act 2015; and any subsequent amendments and replacements.
- 3 Definitions

Company requirements refers to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.

Industry guidelines refers to those practices and procedures commonly used as standard procedures to produce items of acceptable merchantable quality in the industrial textile fabrication industry such as related textbook descriptors.

Manufacturer's information may include – technical information for a machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of producing freehand sketches in the industrial textile fabrication industry.

Performance criteria

- 1.1 Procedures for measuring the object prior to sketching are described.
- 1.2 Base line and datum points are described.
- 1.3 Dimensions and related notes are described.

Outcome 2

Demonstrate knowledge of geometric shapes and construction in the industrial textile fabrication industry.

Performance criteria

- 2.1 The term ‘geometric shape’ and its uses are explained.
- 2.2 Geometric construction is explained.

Outcome 3

Produce freehand sketches in the industrial textile fabrication industry.

Performance criteria

- 3.1 Draw freehand sketches that communicate job requirements.
 Range orthographic from pictorial, pictorial from orthographic, isometric.
- 3.2 Draw geometric shapes.
 Range circle, cube, triangle, square, rectangle, ellipse, hexagon, octagon, polygon, quadrilateral, pyramid, cylinder, sphere; evidence of eight different geometric shapes is required.

Replacement information	This unit standard, unit standard 5022, unit standard 23487, unit standard 23488, and unit standard 31510 was replaced by skill standard 40020.
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 March 2007	31 December 2020
Rollover and Revision	2	27 January 2015	31 December 2020
Review	3	28 February 2019	31 December 2026
Review	4	30 May 2024	31 December 2026

Consent and Moderation Requirements (CMR) reference

0014

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.