

Title	Demonstrate knowledge of spun yarns		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to demonstrate knowledge of: yarn production; spun yarn manufacturing processes; and yarn processes that follow spinning.
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Classification	Textiles Manufacture > Core Yarn Processing
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to the: Health and Safety at Work Act 2015.
- 2 Definition
Workplace procedures refer to procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, site safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, and procedures to comply with legislative and local body requirements.
- 3 Assessment information
All activities and evidence must be in accordance with workplace procedures.
- 4 Recommended skills and knowledge
Unit 19841, *Demonstrate elementary knowledge of the operations, processes and products of textile manufacturing*, or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of yarn production.

Performance criteria

- 1.1 Yarn terms are defined in relation to yarn production and yarn characteristics.

Range	yarn production – carding, spinning, gilling, combing, draft, parallelisation, twist insertion; yarn characteristics – count, single twist, ply twist, S twist, Z twist, strength and extension, bulk, evenness.
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Outcome 2

Demonstrate knowledge of spun yarn manufacturing processes.

Range may include – woollen spinning, semi-worsted spinning, worsted spinning.

Performance criteria

- 2.1 Equipment used for yarn manufacturing processes is described in terms of function and operation.
- 2.2 The properties and end uses of yarns used for manufacturing processes are described and compared.

Outcome 3

Describe yarn processes that follow spinning.

Performance criteria

- 3.1 Yarn processes are described in terms of the equipment used, and the reasons for the process.

Range may include but is not limited to – twisting (ring twisting, 2 for 1 twisting), assembly winding, clearing, package winding, yarn scouring, yarn setting, yarn jointing.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 December 1995	31 December 2019
Revision	2	8 August 1997	31 December 2019
Revision	3	18 July 2000	31 December 2019
Revision	4	10 October 2001	31 December 2019
Revision	5	11 December 2003	31 December 2019
Review	6	23 April 2008	31 December 2019
Review	7	19 May 2016	31 December 2025
Review	8	24 March 2022	N/A

Consent and Moderation Requirements (CMR) reference	0030
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Hanga-Aro-Rau Manufacturing, Engineering, and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.