

Title	Demonstrate technical knowledge of jewellery materials		
Level	3	Credits	6

Purpose	People credited with this unit standard are able to demonstrate knowledge of: metals, diamonds, gemstones and synthetic stones used in the manufacture of jewellery.
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Classification	Retail, Distribution, and Sales > Jewellery Sales and Service
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Available grade	Achieved
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Guidance Information

- 1 This unit standard is based on the unit of competency SIRRRPK008A, *Recommend jewellery products and services*. ServiselQ acknowledges the assistance provided by the Australian Service Industries Skills Council (Service Skills Australia) in permitting the unit of competency to be used as the basis for this unit standard.
- 2 Relevant industry reference texts for this unit standard may include but are not limited to –
Newman, Renée; *The Diamond Ring Buying Guide*, 7th ed., Los Angeles: International Jewellery Publications, 2008;
Schuman, Walter; *Gemstones of the World*, 5th ed., New York: Stirling Publishing Company, 2013.
Both publications available from major educational book retailers or Regal Castings Limited, 7 Akiraho Street, Mt. Eden, Auckland, Phone – 0800 881 888, Email – info@regal.co.nz.
- 3 All performance criteria of this unit standard must be performed in accordance with relevant industry reference texts.
- 4 Legislation relevant to this unit standard includes but is not limited to: Consumer Guarantees Act 1993, Fair Trading Act 1986, Contract and Commercial Law Act 2017, Credit Contracts and Consumer Finance Act 2003, Privacy Act 1993.
- 5 Definitions
Gemstone refers to naturally occurring minerals and rocks which have been formed without human intervention.
Jewellery includes rings, necklaces, bracelets, chains, brooches, earrings, watches.
Synthetic stone refers to crystallised or re-crystallised products whose manufacture, by whichever method, has been caused completely or partially by humans. Their physical and chemical properties and/or their crystal structure essentially correspond to those of the natural stones which they imitate.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of metals used in the manufacture of jewellery.

Range may include but is not limited to – gold, silver, platinum, rhodium, palladium, titanium, copper, brass;
evidence of six metals required.

Performance criteria

1.1 Metals used in the manufacture of jewellery are identified.

1.2 Features of different metals used in the manufacture of jewellery are explained.

Range features may include but are not limited to – malleability, durability, ductility, tensile strength, fusibility, resistance to oxidation, ease of assembly, cost;
evidence of six features required for each metal.

Outcome 2

Demonstrate knowledge of diamonds used in the manufacture of jewellery.

Performance criteria

2.1 The characteristics of diamonds used in the manufacture of jewellery are explained.

Range characteristics include but are not limited to – colour, brilliance, iridescence, hardness, blemishes, inclusion, shape, cost, country of origin, size.

2.2 Basic diamond grading criteria are explained.

Range colour, clarity, cut, carat.

Outcome 3

Demonstrate knowledge of gemstones used in the manufacture of jewellery.

Range gemstones may include but are not limited to – sapphire, emerald, amethyst, ruby, pearl, opal, aquamarine, quartz, garnet, topaz, tourmaline;
evidence of six gemstones required.

Performance criteria

3.1 Gemstones used in the manufacture of jewellery are identified and their properties explained.

- 3.2 The characteristics of different gemstones used in the manufacture of jewellery are explained.

Range characteristics include but are not limited to – colour (hue, tone, saturation), size, cut, country of origin, shape, availability.

Outcome 4

Demonstrate knowledge of synthetic stones used in the manufacture of jewellery.

Range evidence of six synthetic stones required.

Performance criteria

- 4.1 Synthetic stones used in the manufacture of jewellery are identified and their properties explained.

- 4.2 The characteristics of synthetic stones used in jewellery manufacture are explained.

Range characteristics may include but are not limited to – colour (hue, tone, saturation), size, cut, country of origin, shape, availability.

Planned review date	31 December 2021
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 March 2008	31 December 2018
Review	2	8 December 2016	31 December 2021
Revision	3	29 March 2018	N/A

Consent and Moderation Requirements (CMR) reference	0225
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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 ServicelQ qualifications@ServicelQ.org.nz if you wish to suggest changes to the content of this unit standard.