

Specification of Competency Standards
for the Jewellery Industry
Unit of Competency

Functional Area - Sales □

Title	Identify common gemstones
Code	108825L2
Range	This unit of competency is applicable to practitioners with relevant job duties in the jewellery industry. Practitioners should know well about the types of gemstones commonly used in jewellery manufacturing.
Level	2
Credit	9
Competency	Performance Requirements 1. Have basic knowledge of gemstone materials: • Size, weight • Hardness • Tenacity • Cleavage • Specific gravity (relative density) • Refraction and refractive index • Reflection and reflection effects • Colour • Dispersion 2. Know about the types of gemstone materials commonly used in general jewellery manufacturing • Identify the materials commonly used in general jewellery manufacturing: ○ Inorganic gemstones ▪ Precious gemstones/Semi-precious gemstones, such as: ▪ Diamond ▪ Coloured gemstones ▪ Ruby/sapphire ▪ Emerald ▪ Tourmaline, etc. ▪ Jade ▪ Jadeite ▪ Nephrite ▪ Others ○ Organic gemstones, such as: ▪ Amber ▪ Coral ▪ Pearl, etc. ○ Artificial gemstone materials, such as: ▪ Synthetic gemstones ▪ Man-made gemstones ▪ Composite gemstones ▪ Reconstructed gemstones 3. Professionalism • Ensure that accurate and reliable gemstone information is provided to customers when assisting in performing job duties related to the jewellery industry
Assessment Criteria	The integrated outcome requirements of this unit of competency are:

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	• Able to know about the gemstone materials commonly used in general jewellery manufacturing; and • Able to ensure that accurate and reliable gemstone information is provided to customers.
Remark	This unit of competency is written with reference to the following materials. Readers can study the relevant information according to their needs:- • Guobiao standards GB/T16553-2017 (Gems Testing); • The English-Chinese and Chinese-English Dictionary of Gems and Jewelry by China University of Geosciences Press Co. Ltd.; • Hong Kong Standard Testing Methods for Fei Cui 2016 by the Gemmological Association of Hong Kong; and • Information from courses of The Gemmological Association of Great Britain (Gem-A), courses of The Gemological Institute of America (GIA), courses of The Swiss Gemmological Institute and courses of the Belgium International Gemological Institute, and information from the China National Gemstone Testing Center.