

Specification of Competency Standards
for the Jewellery Industry
Unit of Competency

Functional Area - Production

Title	Master basic metalsmithing techniques
Code	108920L1
Range	This unit of competency is applicable to practitioners working in the goldsmithing department of jewellery manufacturing organizations. Practitioners should be capable of using various kinds of goldsmithing tools and equipment safely, and mastering basic metalworking techniques, to make simple jewellery under supervision in the daily working environment.
Level	1
Credit	9
Competency	<p>Performance Requirements</p> <p>1. Understand precious metals and the safe use of goldsmithing equipment</p> <ul style="list-style-type: none"> • Know about the characteristics of precious metals, such as: <ul style="list-style-type: none"> ▪ Fine gold ▪ Karat gold ▪ Platinum ▪ Palladium ▪ Fine silver, sterling silver • Know about the methods to prevent precious metals from wear and tear • Know how to use goldsmithing tools and equipment safely • Know about basic metalworking techniques <p>2. Master basic metalworking techniques</p> <ul style="list-style-type: none"> • Know about goldsmithing tools and equipment, and master the techniques of using them <ul style="list-style-type: none"> ○ Workbench ○ Flexible shaft machines and burr ○ Measuring and planning tools ○ Sawing, shearing and holding tools ○ Hammer, anvil, ring mandrel and similar tools ○ Filing and grinding tools ○ Welding tools, welding pad and welding clamp ○ Rolling mill ○ Draw bench • Master basic metalsmithing techniques <ul style="list-style-type: none"> ○ Sawing techniques ○ Filing techniques, metal grafting techniques ○ Surface grinding techniques ○ Metal bending techniques ○ Metal chasing/repoussé and forming techniques ○ Metal sheet and wire milling techniques ○ Metal wire shaping and resizing techniques ○ Jewellery welding techniques <p>3. Professionalism</p> <ul style="list-style-type: none"> • Following the requirements of the organization, code of practice and safety guidelines, make simple jewellery with a professional attitude
Assessment Criteria	The integrated outcome requirement of this unit of competency is:

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Remark	