

**Specification of Competency Standards**  
**for the Jewellery Industry**  
**Unit of Competency**

Functional Area - Production

Title	Master basic gemstone setting techniques
Code	108921L1
Range	This unit of competency is applicable to practitioners working in the jewellery setting department of jewellery manufacturing organizations. Practitioners should be capable of using various kinds of gemstone setting tools and equipment safely, and mastering basic gemstone setting techniques to carry out simple gemstone setting under supervision in the daily working environment.
Level	1
Credit	3
Competency	<p>Performance Requirements</p> <p>1. Know about gemstone setting and occupational safety</p> <ul style="list-style-type: none"> <li>• Know about the safe operation of inflammable liquid</li> <li>• Know about the safe operation methods of a torch</li> <li>• Know about various gemstone setting methods</li> <li>• Know about the hardness and cleavage of gemstones</li> <li>• Know about the cut and proportion of gemstones</li> <li>• Know about the relation between gemstones and collets <ul style="list-style-type: none"> <li>○ The tight fitting of collets</li> <li>○ The level of stone surface</li> <li>○ The reasons for loose/broken stones</li> </ul> </li> <li>• Know about the proper use of gemstone setting tools and equipment</li> <li>• Know about the safe operation methods of simple goldsmithing tools and equipment</li> <li>• Know about the new technical knowledge related to gemstone setting, such as the pneumatic gemstone setting system</li> </ul> <p>2. Master basic gemstone setting techniques</p> <ul style="list-style-type: none"> <li>• Secures workpieces onto the sealing-wax</li> <li>• Master the techniques for grinding steel pins/gravers</li> <li>• Master basic engraving techniques on metal surfaces</li> <li>• Master the use of self-made tools</li> <li>• Master the use of steel nails</li> </ul> <p>3. Professionalism</p> <ul style="list-style-type: none"> <li>• Following the requirements of the organization, code of practice and safety guidelines, make simple jewellery settings with a professional attitude</li> </ul>
Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <ul style="list-style-type: none"> <li>• Able to use various kinds of gemstone setting tools and equipment safely, and master basic gemstone setting techniques to carry out simple gemstone setting under supervision.</li> </ul>
Remark	