

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

1. Title	Know about basic jewellery manufacturing materials
2. Code	JLZZSA211A
3. Range	This unit of competency is applicable in jewellery outlets, design studios and jewellery worksites. Practitioners should be capable to understand clearly the types of commonly used jewellery manufacturing materials and their characteristics. They should also be capable to apply these materials in job duties related to the sales, marketing, operation, design, production, product development/technological research, quality management and procurement of jewellery under instruction.
4. Level	2
5. Credit	3
6. Competency	<p align="center"><u>Performance Requirements</u></p> <p>6.1 Know about the characteristics of jewellery manufacturing materials</p> <ul style="list-style-type: none"> <li>◆ Know about the characteristics of jewellery manufacturing materials, such as metal and non-metal materials: <ul style="list-style-type: none"> <li>• General characteristics of metal materials <ul style="list-style-type: none"> <li>▸ Specific gravity</li> <li>▸ Electric conductivity</li> <li>▸ Heat conductivity</li> <li>▸ Heat-resistance</li> <li>▸ Insulation</li> <li>▸ Extension</li> <li>▸ Tenacity</li> </ul> </li> <li>• General characteristics of non-metal materials <ul style="list-style-type: none"> <li>▸ Weight</li> <li>▸ Degree of softness/hardness</li> <li>▸ Tenacity</li> <li>▸ Electric conductivity</li> </ul> </li> </ul> </li> </ul>

	<p>6.2 Know about jewellery manufacturing materials (metal and non-metal materials)</p> <ul style="list-style-type: none"> <li>◆ Know about the commonly used metal materials in different kinds of jewellery manufacturing and their range, such as fine gold, K-gold (yellow/white), platinum, palladium, silver, copper, lead, tin, zinc, iron, stainless steel, titanium and alloy, etc.</li> <li>◆ Know about the commonly used non-metal materials in different kinds of jewellery manufacturing and their range, such as timber, plastics, bakelite, resin compound and ceramics, etc.</li> <li>◆ Capable to use and store the jewellery manufacturing materials in a safely and effectively manner under instruction</li> </ul>
<p>7. Assessment Criteria</p>	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to know about the commonly used materials in jewellery manufacturing and can apply these materials in job duties related to the sales, marketing, operation, design, production, product development/technological research, quality management and procurement of jewellery under instruction.</p>
<p>8. Remarks</p>	<p>This unit of competency is applicable to general jewellery practitioners.</p>