

## Assessment Schedule – 2018

### Technology: Demonstrate understanding of the role of material evaluation in product development making (91359)

#### Assessment Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<p>Demonstrating understanding of the role of material development in product development involves:</p> <ul style="list-style-type: none"> <li>explaining the relationship between the performance properties of materials selected and the performance specifications of a product</li> <li>describing different material evaluation procedures undertaken to determine the suitability of materials for use in the development of a product</li> <li>describing the knowledge and techniques underpinning the material evaluation procedures that were used to support the material selection decisions in the development of a product.</li> </ul>	<p>Demonstrating in-depth understanding of the role of material development in product development involves:</p> <ul style="list-style-type: none"> <li>explaining why different material evaluation procedures were undertaken to determine the suitability of materials for use in the development of a product</li> <li>explaining how knowledge and techniques underpinning material evaluation procedures were used to support the material selection decisions in the development of a product.</li> </ul>	<p>Demonstrating comprehensive understanding of the role of material development in product development involves:</p> <ul style="list-style-type: none"> <li>discussing how the relationship between the evaluation of materials and a product's design (including maintenance and disposal considerations) influenced material selection decisions during the development of the product.</li> </ul>

#### Evidence

N1	N2	A3	A4	M5	M6	E7	E8
Demonstrates very little understanding, and / or is substantially reproduced with little mediation by candidate.	Report is substantially produced by the candidate but demonstrates little understanding. Not enough evidence to show understanding. One part of the required response may be completely missing or several parts may be weak.	Describes and explains as required to show understanding. Some aspects may be partial or weak.	Describes and explains as required to clearly show understanding.	Explains as required to show in-depth understanding. Some aspects may be partial or weak.	Explains to clearly establish in-depth understanding.	Discusses to show comprehensive understanding Some aspects may be partial or weak.	Fully discusses to clearly show comprehensive understanding.

**N0** = No response; no relevant evidence.

#### Cut Scores

Not Achieved	Achievement	Achievement with Merit	Achievement with Excellence
0 – 2	3 – 4	5 – 6	7 – 8