

## Assessment Schedule – 2018

### Technology: Demonstrate understanding of how materials enable technological products to function (91049)

#### Assessment Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<p>Demonstrating understanding of how materials enable technological products to function involves:</p> <ul style="list-style-type: none"> <li>describing the composition, structure and performance properties of materials used in a technological product</li> <li>describing the impact of the composition and structure of materials on how materials can be manipulated (e.g. mixed, shaped, joined, combined, separated, finished)</li> <li>explaining how the materials used and the way they have been manipulated allow technological products to function as intended.</li> </ul>	<p>Demonstrating in-depth understanding of how materials enable technological products to function involves:</p> <ul style="list-style-type: none"> <li>explaining how the composition and structure of materials determine the performance properties the materials exhibit</li> <li>explaining how the composition and structure of materials determine the ways materials can be manipulated.</li> </ul>	<p>Demonstrating comprehensive understanding how materials enable technological products to function involves:</p> <ul style="list-style-type: none"> <li>discussing how the interaction between the composition, structure and manipulation of materials enables technological products to function as intended.</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