

## Assessment Schedule – 2011

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

Final grades will be decided using professional judgement based on a holistic examination of the evidence provided against the criteria.

#### Issues from the Specifications

Authentic candidate submissions will be recognisable because of specific contexts associated with the work. This does not imply that submissions will arise only from the candidate's practice. However, where the candidate's practice does not provide the immediate source of a specific context, one would expect to see that several sources of information relating to materials had been applied within a specific context. In both cases, the marker will be able to detect the candidate's voice. In situations where information does not have some aspect of student voice, it is difficult to establish whether the candidate has actually demonstrated understanding or simply identified information.

Candidates who have simply identified information by reproducing information from sources without making use of that information have not demonstrated understanding.

Where a candidate has provided a brief answer, the answer should not be penalised because of length.

Candidate work in excess of 14 pages should not be marked.

Where work is illegible, it cannot be marked.

Digital submissions that cannot be read cannot be marked.

<b>Not Achieved</b>	<b>Achievement</b>	<b>Achievement with Merit</b>	<b>Achievement with Excellence</b>
Does not demonstrate understanding of how materials enable technological products to function	Demonstrates understanding of how materials enable technological products to function	Demonstrates in-depth understanding of how materials enable technological products to function.	Demonstrates comprehensive understanding of how materials enable technological products to function.
<b>Evidence that supports the Not Achieved judgement</b>	<b>Evidence that supports the Achievement judgement</b>	<b>Evidence that supports the Achievement with Merit judgement</b>	<b>Evidence that supports the Achievement with Excellence judgement</b>

<p>Candidates who have simply identified information by reproducing information from sources without making use of that information have not demonstrated understanding.</p> <p><b>Refer to Exemplars 1 and 2</b></p>	<p>The candidate:</p> <ul style="list-style-type: none"> <li>describes the composition, structure and performance properties of materials used in a technological product</li> <li>describes the impact of the composition and structure of materials on how materials can be manipulated (eg mixed, shaped, joined, combined, separated, finished)</li> <li>explains how the materials used and the way they have been manipulated allow technological products to function as intended.</li> </ul> <p><b>Refer to Exemplars 3 and 4</b></p>	<p>The candidate:</p> <ul style="list-style-type: none"> <li>explains how the composition and structure of materials determine the performance properties the materials exhibit</li> <li>explains how the composition and structure of materials determine the ways materials can be manipulated.</li> </ul> <p><b>Refer to Exemplars 5 and 6</b></p>	<p>The candidate:</p> <p>discusses how the interaction between the composition, structure and manipulation of materials enables technological products to function as intended.</p> <p><b>Refer to Exemplars 7 and 8</b></p>
<p>Materials refer to any substance, raw or processed, used in the creation of a technological product. All materials have inherent qualities that combine to provide the material with performance properties.</p> <p>Performance properties include but are not limited to – warmth, strength, taste, flexibility, crease resistance, malleability, drape, form, durability, absorbency, colour, texture, appearance, sheen, style. Performance properties can be altered through working the materials (eg shaped, joined, combined, heated, finished) so that the material can improve the function of a technological product.</p>			