

Assessment Schedule – 2012**Technology: Demonstrate understanding of the role of material evaluation in product development (91359)**

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 modelling 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.

Achievement	Achievement with Merit	Achievement with Excellence
<p>Demonstrate understanding of the role of material evaluation in product development involves:</p> <p>explaining the relationship between the performance properties of materials selected and the performance specifications of a product</p> <p>describing different material evaluation procedures undertaken to determine the suitability of materials for use in the development of a product</p> <p>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.</p>	<p>Demonstrate in-depth understanding of the role of material evaluation in product development involves:</p> <p>explaining why different material evaluation procedures were undertaken to determine the suitability of materials for use in the development of a product</p> <p>explaining how knowledge and techniques underpinning material evaluation procedures were used to support the material selection decisions in the development of a product.</p>	<p>Demonstrate comprehensive understanding of the role of material evaluation in product development involves:</p> <p>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.</p>