

# Engineering Skills 2019

## Highlighted syllabus standards

	Standard A	Standard B	Standard C	Standard D	Standard E
Knowing and understanding	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>comprehensive description of industry practices in manufacturing tasks</li> <li>consistent and proficient demonstration of fundamental production skills</li> <li>informed and accurate interpretation of drawings and technical information.</li> </ul>	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>detailed description of industry practices in manufacturing tasks</li> <li>effective demonstration of fundamental production skills</li> <li>effective interpretation of drawings and technical information.</li> </ul>	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>description of industry practices in manufacturing tasks</li> <li>demonstration of fundamental production skills</li> <li>interpretation of drawings and technical information.</li> </ul>	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>statements about industry practices in manufacturing tasks</li> <li>partial demonstration of aspects of fundamental production skills</li> <li>statements about drawings and technical information.</li> </ul>	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>inconsistent statements of industry practices</li> <li>minimal demonstration of aspects of fundamental production skills</li> <li>inconsistent statements about drawings and technical information.</li> </ul>
Analysing and applying	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>thorough analysis of manufacturing tasks to proficiently organise materials and resources</li> <li>discerning selection and proficient application of production skills and procedures in manufacturing tasks</li> <li>coherent and succinct use of visual representations, language conventions and features to communicate for particular purposes.</li> </ul>	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>effective analysis of manufacturing tasks to organise materials and resources</li> <li>relevant selection and purposeful application of production skills and procedures in manufacturing tasks</li> <li>effective use of visual representations, language conventions and features to communicate for particular purposes.</li> </ul>	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>analysis of manufacturing tasks to organise materials and resources</li> <li>selection and application of production skills and procedures in manufacturing tasks</li> <li>use of visual representations, language conventions and features to communicate for particular purposes.</li> </ul>	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>partial analysis of manufacturing tasks to organise some materials and resources</li> <li>partial application of aspects of production skills and procedures in manufacturing tasks</li> <li>vague use of visual representations, language conventions and features to somewhat communicate.</li> </ul>	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>minimal organisation of some materials or resources</li> <li>minimal application of aspects of some production skills and procedures in manufacturing tasks</li> <li>unclear use of visual representations, language conventions and features that impedes communication.</li> </ul>



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Producing and evaluating	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>• thorough planning and discerning adaptation of production processes</li> <li>• proficient creation of products that meet specifications</li> <li>• discerning evaluation of practices, processes and products, and valid recommendations made.</li> </ul>	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>• effective planning and adaptation of production processes</li> <li>• methodical creation of products that meet specification with minor variations</li> <li>• effective evaluation of practices, processes and products, and plausible recommendations made.</li> </ul>	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>• planning and adaptation of production processes</li> <li>• creation of products from specifications</li> <li>• evaluation of practices, processes and products, and recommendations made.</li> </ul>	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>• partial planning of production processes</li> <li>• creation of incomplete products with obvious variation from specifications</li> <li>• superficial evaluation of practices, processes and products, and simple recommendations made.</li> </ul>	<p>The student work has the following characteristics:</p> <ul style="list-style-type: none"> <li>• minimal planning of some production processes</li> <li>• creation of aspects of products</li> <li>• statements about practices, processes or products.</li> </ul>

Key: Cognition Qualifier