

Assessment Schedule – 2020

Design and Visual Communication: Produce instrumental, multi-view orthographic drawings that communicate technical features of design ideas (91064)

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
Produce instrumental, multi-view orthographic drawings that communicate technical features of design ideas.	Produce instrumental, multi-view orthographic drawings that clearly communicate technical features of design ideas.	Produce instrumental, multi-view orthographic drawings that effectively communicate technical features of design ideas.

Evidence

Not Achieved	Achievement	Merit	Excellence
<p>Drawings present only basic geometric shapes (technical features not evident).</p> <p>Design ideas are from class exercises (not student generated).</p> <p>Views are not aligned via projection.</p> <p>Views are not labelled.</p> <p>Instruments are not used (freehand).</p>	<p>Use appropriate instrumental drawing techniques and conventions to produce 2D drawings that describe the technical features of a design idea.</p> <ul style="list-style-type: none"> • Drawing techniques include (but are not limited to): projection, sectioning, geometric construction, surface development. • Conventions include (but are not limited to): labelling views, dimensioning, title block, recognised drawing scale, line types and weightings, third angle symbol. • Technical features include (but are not limited to): showing visible surface features, dimensions, and materials. <p>Design is communicated with two or more aligned views via projection. These views should be in third angle projection according to <i>NZS/AS 1100:101:1992 – Technical Drawing General Principles</i>.</p> <p>Instruments are used to construct drawings (CAD or traditional instrumental techniques).</p>	<p>Use instrumental drawing techniques and conventions to produce 2D drawings that detail the technical features of a design idea.</p> <ul style="list-style-type: none"> • Detail the technical features typically includes but is not limited to communicating components / assembly information that is not visible externally (e.g. hidden detail, cross-sections) or those associated with communicating complex shape and / or form. <p>Views are labelled and projected correctly.</p>	<p>Use instrumental drawing techniques and conventions to produce accurately measured and precisely executed 2D drawings that show in-depth information about technical features of a design idea.</p> <ul style="list-style-type: none"> • Accurately measured and precisely executed refers to differentiated line-weights, measurements, and correlation between projected views (alignment of details). • In-depth information typically includes include sectional view(s), auxiliary views, or surface developments that convey internal and external technical details