Task 1				
Assessment criteria:	Pass:	Merit:	Distinction:	
1.1 Distinguish between the common systems of measurement in engineering drawing	Learners will distinguish between the common systems of measurement in engineering drawing	Learners will clearly distinguish between the common systems of measurement in engineering drawing in detail	Learners will perceptively distinguish between the common systems of measurement in engineering drawing in detail	
Range:	Systems: pre- and post-decimalisation			
	Learners will identify both common systems of measurement correctly	Learners will identify both common systems of measurement correctly	Learners will identify both common systems of measurement correctly	
	Metric Imperial	Metric Imperial	Metric Imperial	
	Learners will identify 2 common units of measurement for each system of which most will be correct for each system.	Learners will identify 2 common units of measurement for each system of which most will be correct for each system.	Learners will identify 2 common units of measurement for each system of which all will be correct for each system.	
	Any units of measurement accepted	Any units of measurement accepted	Any units of measurement accepted	
	Learners will provide a basic explanation of the distinguishers between the 2 systems that is mostly accurate.	Learners will provide a clear explanation of the distinguishers between the 2 systems that is mostly accurate.	Learners will provide a clear perceptive explanation of the distinguishers between the 2 systems that is fully accurate.	
	Explanation may be in bullet form.			
Glossary of Terms:	Distinguish: Differentiate, tell apart.	Clearly: A statement that is set out logically and without possibility of misunderstanding	Perceptively: Showing insight and understanding	

Task 1				
Assessment criteria:	Pass:	Merit:	Distinction:	
1.2 Describe how measuring devices are used in engineering drawing	Learners will describe how measuring devices are used in engineering drawing	Learners will describe in detail how measuring devices are used in engineering drawing	Learners will perceptively describe how measuring devices are used in engineering drawing	
Range:	Measuring devices: e.g. manual, semi-aut	omatic and automatic	,	
NB: Ruler – not accepted if used to draw a straight line	Learners will describe more than one piece of measuring device correctly. Descriptions will be basic with minimal detail, describing the use for planning and/or preparing and/or producing of engineering drawings.	Learners will describe three or more measuring device correctly. Descriptions will be detailed and mostly accurate, describing the use for planning and preparing and producing of engineering drawings. Descriptions for each accurate device identified may not be fully formed to include all planning, preparing and producing for each but learners will explain 2 of the following: planning, preparing and producing.	Learners will describe all pieces of measuring devices correctly. Descriptions will be detailed and perceptively accurate, describing the use for planning and preparing and producing of engineering drawings for all pieces of drawing equipment.	
Glossary of Terms:	Describe: Define, explain	Detailed: Thorough and in depth	Perceptively: Showing insight and understanding	

Task 2 and Task 3				
Assessment criteria	Pass	Merit	Distinction	
1.3 Describe the purpose of scale and proportion in engineering drawing	Learners will describe the purpose of scale and proportion in engineering drawing	Learners will coherently describe the purpose of scale and proportion in engineering drawing	Learners will describe the purpose of scale and proportion in engineering drawing showing critical judgement	
Range:	No range for this assessment criterion			
	The learner will provide a basic description.	The learner will provide a coherent description.	The learner will provide a coherent description.	
	The learner will provide a basic description that is partially accurate of the difference in proportion of the two images.	The learner will provide a coherent description that is fully accurate of the difference in proportion of the two images.	The learner will provide a coherent description that is fully accurate of the difference in proportion of the two images.	
	And/or	And/or	And/or	
	The learner will provide a basic description that is partially accurate of the importance of proportion used in the image.	The learner will provide a coherent description that is fully accurate of the importance of proportion used in the image.	The learner will provide a coherent description that is fully accurate of the importance of proportion used in the image.	
	The description may be in bullet form.		And The learner will evidence critical judgment and understanding of how scale and proportion would inform engineering drawings by providing some analysis and/or evaluation and/or opinion, and or reasons.	
Glossary of Terms	Describe: Define, explain	Coherent: Logically connected	Critical judgement: Application of a critical understanding informing decisions	
			Critical understanding: Deconstruct, analyse and evaluate and express opinion	

Task 2 and Task 3				
Assessment criteria	Pass	Merit	Distinction	
2.1 Demonstrate the correct layout of a design sheet for 2D and 3D engineering drawings	Learners will demonstrate the correct layout of a basic design sheet for 2D and 3D engineering drawings	Learners will demonstrate the correct layout of a detailed design sheet for 2D and 3D engineering drawings	Learners will skilfully demonstrate the correct layout of a sophisticated design sheet for 2D and 3D engineering drawings	
Range:	 2.1 2D and 3D engineering drawings: 2D: e.g. first angle projection, third angle projection, layout drawings, circuit diagrams, schematic diagrams, assembly drawings, plan views, freehand sketch 3D: e.g. isometric, exploded isometric, oblique, Plano metric, perspective, assembly drawings, freehand sketch (this is not an exhaustive list) 			
	Learners will provide a basic and mostly accurate layout of a design sheet for both their 2D and 3D engineering drawings Correct layout to include: a border title block Layout is basic and title block does not have to be completed in full	Learners will provide a detailed and mostly correct layout of a design sheet for both their 2D and 3D engineering drawings Correct layout to include: aborder title block Layout is mostly accurate and the title block does not have to be completed in full Layout used has been stated in the title block	Learners will provide a fully correct layout of a design sheet for both their 2D and 3D engineering drawings Correct layout to include: a border title block method of projection Layout and title block is fully accurate and completed in full	
Glossary of Terms		Detailed: Thorough and in depth	Skilfully: A process or task underpinned by technical knowledge and a degree of mastery	

Task 2 and Task 3				
Assessment criteria	Pass	Merit	Distinction	
2.2 Apply appropriate scales to all drawings	Learners will apply appropriate scales to all drawings	Learners will apply appropriate and realistic scales to all drawings	Learners will skilfully apply appropriate and realistic scales to all drawings	
Range:	No range for this assessment criteria.			
	Learners will use a scale in the production of their 2D and 3D drawings	Learners will use an appropriate scale in the production of both their 2D and 3D drawings.	Learners will use an appropriate scale in the production of both their 2D and 3D drawings.	
	The learner will have used a simple scale for the production of their drawings and will be mostly accurately applied.	The scale used will be realistic which reflects the original size.	The scale used will be realistic which reflects the original size.	
	за постој стој стој стој стој стој стој стој	The learners drawing may not fit correctly on the media used.	The learner will use a scale that demonstrates the effective use of space on the media that is been used to produce their drawing.	
			The application of scale will be accurate and completed fully for both 2D and 3D drawings evidencing technical skill/knowledge (accepting conversion errors).	
Glossary of Terms	Appropriate: Relevant to the purpose/task	Appropriate: Relevant to the purpose/task Realistic: Relevant and in context	Skilfully: A process or task underpinned by technical knowledge and a degree of mastery Appropriate: Relevant to the purpose/task Realistic: Relevant and in context	

Task 2 and Task 3				
Assessment criteria	Pass	Merit	Distinction	
2.3 Demonstrate the accurate use of drawing tools and equipment	Learners will demonstrate the accurate use of drawing tools and equipment	Learners will demonstrate the accurate use of drawing tools and equipment showing experimentation	Learners will skilfully demonstrate the accurate use of drawing tools and equipment showing experimentation	
Range:	Reference to only one drawing			
Learners understood the application of drawing equipment, which is implied in the production of assessment criterion 2.4. Experimentation:	The learners will have evidenced the use of some drawing tools and equipment The drawing tools and equipment will be used with minimal technical skill and accuracy.	Learners will have evidenced the accurate use of drawing tools and equipment. The drawing tools and equipment will be used with minimal technical skill and accuracy. The learner's will evidence some experimentation of basic drawing tools and equipment in either their 2D or 3D drawing.	Learners will have evidenced the skillfull use of drawing tools and equipment. The drawing tools and equipment will be used with technical skill and accuracy. The learner's will evidence some experimentation of drawing tools and equipment. The learner's choice of experimentation will elicit technical knowledge of the tools and equipment used. Learners will evidence the application of technical skill and some mastery in use and application of the selected drawing tools and equipment in both the 2D and 3D drawing. The learner will mostly demonstrate accuracy of skills (Skilfully apply) whilst using less basic drawing tools and equipment.	
Glossary of Terms		Experimentation: To try different methods and techniques	Skilfully: A process or task underpinned by technical knowledge and a degree of mastery Experimentation: To try different methods and techniques	

Task 3			
Assessment criteria	Pass	Merit	Distinction
2.4 Present their final 2D and 3D engineering drawings showing evidence of the process involved in its production	Learners will present their final 2D and 3D engineering drawings showing evidence of the process involved in its production	Learners will present their final 2D and 3D engineering drawings showing evidence of the process involved in its production, justifying their choices	Learners will present their final 2D and 3D engineering drawings showing evidence of the process involved in its production showing critical judgement
Range:	views, freehand sketch	angle projection, layout drawings, circuit diagrams	, schematic diagrams, assembly drawings, plan drawings, freehand sketch (this is not an exhaustive
	Learners will present their final 2D and 3D	Learners will present their final 2D and 3D	Learners will present their final 2D and 3D
Title Block • Name	drawings in either manual or CAD formats.	drawings in either manual or CAD formats	drawings in either manual or CAD formats
 Some additional info Border 	Learners will present basic drawings of both 2D and 3D engineering components, a title block and border will be present but	Learners will present mostly accurate drawings of both 2D and 3D engineering components.	Learners will present fully accurate drawings of both 2D and 3D engineering components
Material Finish	may be incomplete or not fully accurate.	Learners will present basic drawings of both	Learners will complete drawings that are free from double lines, smudges and that are clean and
Fillisii	The drawings will be set out mostly	2D and 3D engineering components a title	clear. Learners will demonstrate the use of
	appropriately and on the correct paper size for at least one of the drawings.	block and border will be present but may be incomplete or not fully accurate.	dimensions, scale and projection and correctly sized holes in the drawn product to demonstrate effective and realistic drawing standards
	At least one drawing should be demonstrate some dimensioning that is partially accurate.	Learner's drawings will contain some dimensions which are mostly accurate.	Learner's drawings will both be dimensioned. Dimensions will be fully accurate.
	The drawing must demonstrate the use of accurate scale and sizing against the	Presentation in a hardcopy with the images set out appropriately on the correct paper size.	Presentation in a hardcopy with the images set out appropriately on the correct paper size.
	sketch provided for at least one drawing.	The drawing must demonstrate the use of accurate scale and sizing against the sketch provided for both drawings	The learner will include a fully completed title block and a border that is fully accurate.
		Learners will evidence justification of at least one process they used by providing some clear analysis and/or evaluation and/or	The drawing must demonstrate the use of accurate scale and sizing against the sketch provided for both drawings

	opinion, and or reasons for their choice of processes/s.	Learners will evidence critical understanding of the production process and provide some clear analysis and/or evaluation and/or opinion, and or reasons for their choices/processes.
Glossary of Terms	Justify: Give reasons or evidence to support an opinion	Critical judgement: Application of a critical understanding informing decisions Critical understanding: Deconstruct, analyse and evaluate and express opinion