

# MEM20105 Certificate II in Engineering Term 1



Assessment project / activity / task (All codes and names must match Section 8)					
Project 1	<i>Drill Gauge</i>				
Estimated duration	5 Weeks	Unit/s for which partial or complete evidence will be gathered (Record unit code and title only here)	Evidence-gathering techniques used (More than one technique must be ticked for each unit or cluster of units.)		Evidence-gathering tool code
Description (summary)	<p><b>Drill Gauge</b> <b>Hand tools project</b></p> <p><i>This project requires students to manufacture a drill gauge from 5 mm mild steel plate using only hand tools and a drill press. Students are required to use a scribe, ruler and protractor to mark out the outline and centre punch all drill holes of project the information to carry this out will be obtained off a dimensioned plan. Students are then required to utilise a hack saw file centre punch and the drill press with a range of drill bits. Evidence is recorded in the student profile as 'satisfactory' or 'unsatisfactory'. No final unit outcome results from completing this project.</i></p> <p><i>Students will also be required to complete a safety induction into the workshop along with two theory</i></p>	<ul style="list-style-type: none"> <li>MEM13014A - Apply principles of occupational health and safety in the work environment</li> <li>MEM18001C - Use hand tools</li> </ul>	Competency Observation	<input checked="" type="checkbox"/>	OBS1 OBS14
			Questions checklist	<input checked="" type="checkbox"/>	WB1 WB14
			Review of product /service against specifications	<input checked="" type="checkbox"/>	P1
			Review folio of work against specifications	<input type="checkbox"/>	
			Third party report	<input type="checkbox"/>	
			Safety induction checklist	<input checked="" type="checkbox"/>	SIC1



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	assessments throughout this projects unit relating to MEM13014A – Apply principles of workplace health and safety in the workplace and MEM18001C – Use hand tools.				
<b>Project 2</b>	<b>Sheet Metal Project-Carry All</b>				
<b>Estimated duration</b>	5 Weeks	<b>Unit/s for which evidence will be gathered</b>	<b>Evidence-gathering techniques used</b> (More than one technique must be ticked for each unit or cluster of units)	<b>Evidence-gathering tode</b>	
<b>Description</b> <i>(summary)</i>	<p><b>Carry All Sheet Metal Project</b></p> <p><i>This project requires students to manufacture a Carry All tool box from 0.9 mm Zinc sheet steel using hand tools and a pan break tin snips and some electric hand tools. Students are required to use a scribe, ruler, tin snips and power nibblers to mark out and cut out the net of Carry All tool box. After deburring and folding the net on the pan break all components are joined using pop rivets, this is achieved using a centre punch, power drill and rivet gun. All of the projects information to carry this out will be obtained off a dimensioned plan. Evidence is recorded in the</i></p>	<p>MEM05005B - Carry out mechanical cutting</p> <p><i>MEM13014A-Apply principles of occupational health and safety in the workshop</i></p> <p><i>MEM18001C – Use hand Tools</i></p>	<b>Observation checklist</b>	<input checked="" type="checkbox"/>	OBS7 OBS1 OBS14
			<b>Questions checklist</b>	<input checked="" type="checkbox"/>	WB7
			<b>Review of product /service against specifications</b>	<input checked="" type="checkbox"/>	P2
			<b>Review folio of work against specifications</b>	<input type="checkbox"/>	
			<b>Third party report</b>	<input type="checkbox"/>	
			<b>Safety induction checklist</b>	<input checked="" type="checkbox"/>	SIC1

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	<p><i>student profile as 'satisfactory' or 'unsatisfactory'. No final unit outcome results from completing this project.</i></p> <p><i>Students will also be required to complete a safety induction into the workshop along with one theory assessment throughout this projects unit relating to MEM05005B – Carry out mechanical cutting.</i></p>			