



# MEM20105 Certificate II in Engineering Term 1

Project 7		Collapsible Camp BBQ		
Estimated duration	6 Weeks	Unit/s for which evidence will be gathered	Evidence-gathering techniques used (More than one technique must be ticked for each unit or cluster of units)	Evidence-gathering tool code
<b>Description</b> <i>(summary)</i> <p><b>Collapsible Camp BBQ</b>  <b>Routine task project</b></p> <p><i>This project requires students to manufacture a Collapsible Camp BBQ from a range of thicknesses of mild steel using a range of workshop machines hand tools and power tools. Students are required to use a scribe, ruler and square to mark out all components of the Anker. Students are then to cut and prepare all components using a range of workshop machines hand tools and power tools and oxy acetylene thermal cutters. After deburring and labelling all of the components they are joined using the metal arc and oxy acetylene welders and finished using the hand operated five inch grinders. All of the projects information to carry this out will be obtained off a dimensioned plan. 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 one theory assessment throughout this projects unit relating to MEM14004A – Plan to undertake routine task.</i></p>	MEM14004A - Plan to undertake a routine task MEM05012C - Perform routine manual metal arc welding MEM05007C – Perform manual heating and thermal cutting MEM05004C - Perform routine oxy acetylene welding	<b>Observation checklist</b>	<input checked="" type="checkbox"/>	OBS2 OBS9 OBS8 OBS6
		<b>Questions checklist</b>	<input checked="" type="checkbox"/>	WB2
		<b>Review of product /service against specifications</b>	<input checked="" type="checkbox"/>	P7
		<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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Project 8	Can Crusher			
Estimated duration	4 Weeks	Unit/s for which evidence will be gathered	Evidence-gathering techniques used (More than one technique must be ticked for each unit or cluster of units)	Evidence-gathering tool code
<b>Description (summary)</b> <b>Can Crusher</b> <b>Apply Quality Procedures project.</b> <i>This project requires students to manufacture a Can Crusher from a range of thicknesses of mild steel using a range of workshop machines hand tools and power tools. Students are required to use a scribe, ruler and square to mark out all components of the Can Crusher. Students are then to cut and prepare all components using a range of workshop machines hand tools and power tools and oxy acetylene thermal cutters. After deburring and labelling all of the components they are joined using the metal arc and oxy acetylene welders and finished using the hand operated five inch grinders. All of the projects information to carry this project will be obtained from an example project this requires students to utilise their measuring ability to simulate a replication project. Evidence is recorded in the student profile as 'satisfactory' or 'unsatisfactory'. No final unit outcome results from completing this project.</i>  <i>Students will also be required to complete a safety induction into the workshop along</i>	MEM15024A - Apply quality procedures MEM14004A - Plan to undertake a routine task MEM15002A – Apply quality systems MEM18002B - Use power tools/hand held operations MEM05004C - Perform routine oxy acetylene welding MEM05007C – Perform manual heating and thermal cutting MEM12023A - Perform engineering measurements	<b>Observation checklist</b>	<input checked="" type="checkbox"/>	OBS4 OBS2 OBS3 OBS15 OBS6 OBS8 OBS12
		<b>Questions checklist</b>	<input checked="" type="checkbox"/>	WB4
		<b>Review of product /service against specifications</b>	<input checked="" type="checkbox"/>	P8
		<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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	<i>with one theory assessment throughout this projects unit relating to MEM15024A – Apply quality procedures.</i>				
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