

CORE COMPETENCIES

Unit of Competency	Learning Outcomes	Methodology	Assessment Approach
1. Weld Carbon Steel Plates Using SMAW	1.1 Explain the essentials of welding 1.2 Deposit weld beads on plate 1.3 Weld plates in single pass fillet joints in all positions 1.4 Weld plates in multiple pass fillet joints in all positions 1.5 Weld plates in single pass groove joints in flat, horizontal and vertical positions 1.6 Weld plates in multiple pass groove joints in flat, horizontal and vertical positions	<ul style="list-style-type: none"> • Discussion • Demonstration 	<ul style="list-style-type: none"> • Observation and oral questioning • Demonstration and oral questioning • Written test
2. Weld Carbon Steel Plates and Pipes Using SMAW	2.1 Weld plates in single pass groove joints in overhead positions 2.2 Weld plates in multiple pass groove joints in overhead positions 2.3 Weld pipe in 1G, 2G, 5G and 6G positions	<ul style="list-style-type: none"> • Discussion • Demonstration 	<ul style="list-style-type: none"> • Observation and oral questioning • Demonstration and oral questioning