

1. Title	Installation of pipes and fittings
2. Code	EMPDIN101A
3. Range	Install pipes and fittings under instruction for fire service and plumbing installation works.
4. Level	1
5. Credits	4
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Know about applications of different types of pipe materials</p> <ul style="list-style-type: none"> ◆ Know about the following types of pipe materials and their standards: <ul style="list-style-type: none"> • Cast iron pipes • Ductile iron pipes • Copper pipes • uPVC pipes • PE pipes • PVC_C pipes • Cross-linked polyethylene (PEX) pipes • PB pipes • Lined (uPVC/ polyethylene lining) galvanized steel pipes ◆ Know about the pipe installation methods for different situations, such as: <ul style="list-style-type: none"> • Welding • Compressing • Threading • Flanging • Solvent cement <p>6.2 Suggestions on pipe installation method</p> <ul style="list-style-type: none"> ◆ Suggest methods of installing and joining different types of pipes for clients' reference according to their requirements and different situations <p>6.3 Professionalism in installing pipes</p> <ul style="list-style-type: none"> ◆ Suggest pipe installation methods according to application guidelines and code of operation
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to know about the properties and applications of different types of pipe materials; and</p> <p>(ii) Capable to suggest methods of joining and handling different types of pipes.</p>
8. Remarks	This unit of competency is applicable to plumbing practitioners in general.