

**Unit Title:** Domestic Plumbing Systems  
**Unit Level:** Level 2  
**Unit Credit Value:** 3  
**GLH:** 24  
**LASER Unit Code:** WJD486  
**Ofqual Unit Code:** F/505/0738

This unit has 6 learning outcomes.

LEARNING OUTCOMES		ASSESSMENT CRITERIA	
The learner will:		The learner can:	
1.	Understand the distribution of water to and around domestic properties.	1.1	Outline the role of local water authorities.
		1.2	Describe the layout of basic direct and indirect plumbing systems.
		1.3	Describe the major differences between drainage soakaways, septic tanks and local authority drainage systems.
2.	Be able to plan the positioning of plumbing hardware in a domestic property.	2.1	Produce a plan for domestic system to position: a) Taps b) Stoptaps c) Service valves d) Gate valves e) Ball valves f) Siphons.
		2.2	State the reasons for the positioning of plumbing.
3.	Be able to plan pipework, storage and insulation systems for domestic property.	3.1	Select pipework, storage tank and insulation systems for a specific design for a domestic plumbing system.
		3.2	Explain the reasons for choices made.
4.	Understand the main types of domestic hot water systems.	4.1	Describe the major differences between direct and indirect hot water systems.
		4.2	Describe the major differences between oil, gas and solid fuel hot water systems.
5.	Understand how to install major domestic appliances and facilities.	5.1	Describe the usual location of: a) garden tap b) washing machine c) dishwasher d) water heater e) bathroom suite f) shower unit.
		5.2	Describe the usual installation methods for the items listed above.

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6.	Understand the relative merits of common domestic central heating options.	6.1	Describe the main differences between oil, gas and solid fuel central heating systems.
		6.2	Describe the most common problem in each system.

<b>Assessment Guidance:</b>
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<b>Additional Information:</b>
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