



Level 2 Diploma in PLUMBING AND HEATING

Qualification Specification

Overview

This qualification focuses on practical skills and knowledge. This ensures that when the learner completes the qualification they will have gained practical experience and some expectation of some of the situations that they could face in a job role within the plumbing sector.

The qualification does not require occupational evidence.

Typical Job

Plumber, Plumbing and Domestic Heating Installer, Plumbing and Domestic Heating Engineer

Qualification code:	600/6726/3
Level:	2
Total qualification time:	570
Guided learning hours:	463
Minimum learning age:	16



Purpose of qualification

The qualification provides learners with practical experience of plumbing and an expectation of some of the situations that they could face as a plumber in the building services sector. More specifically, it provides learners with the required underpinning knowledge and related practical skills they will need to progress on to the Level 3 Diploma in Plumbing and Heating and to subsequently pursue a career in this occupational area. Key topics include health and safety in the building services environment, scientific principles within the plumbing and heating industry, pipework fabrication process and techniques and installation and maintenance techniques for cold water, hot water, central heating and above ground drainage systems.

What does this qualification cover?

This qualification has NINE core mandatory units, which provides learners with an introduction to working in the plumbing and heating sector, the structure is listed on page 3.

Who is this qualification for?

This qualification is predominantly for learners in full time education who may have a limited prior knowledge and understanding of the plumbing sector but have the ability to achieve a plumbing qualification.

The qualification may also be suitable for learners who are thinking about plumbing as a career, but who would like some experience of the job role first and those who are new to the industry or looking for a career change or wish to learn new skills. The qualification has been specifically designed as a route into the Apprenticeship framework.

It is suitable for learners aged:

- 16-18
- 19+

Who supports this qualification?

This qualification is:

- Accredited by Ofqual at level 2
- Endorsed by employers as facilitating progression to an apprenticeship and/or one or more of the industry recognised qualifications at level 2*

*Letters of endorsement from employers and other organisations can be viewed on the EAL website.

What could this qualification lead to?

Typical job roles include:

Plumber, Plumbing and Domestic Heating Installer, Plumbing and Domestic Heating Engineer

This qualification relates to:

- EAL Level 1 Diploma in Plumbing
- EAL Level 3 Diploma in Plumbing and Heating
- EAL Level 3 NVQ Diploma in Plumbing and Heating
- EAL Level 3 NVQ Diploma in Heating

Entry requirements

Learners must be at least 16 years old. There are no formal entry requirements for this qualification. However, learners must have the potential to achieve all aspects of the qualification. In particular, learners should be able to demonstrate that they have the minimum levels of literacy and numeracy required to comply with the health and safety aspects of the scheme, the completion of the learning outcomes, and the assessments.

How is the qualification achieved?

This qualification will be achieved when the learner has successfully completed:

- The NINE mandatory units, including any related on-screen examinations and Centre marked assignments/practical tests

What will be assessed?

This qualification is made up of units to which appropriate assessment methods have been applied. The units contain the learning outcomes and the assessment criteria that the learner is to be assessed against.

All learning outcomes within the qualification will be assessed. In order to meet this requirement, it is advised that centres should maintain an assessment and feedback record for each learner. This will detail the evidence evaluated against the learning outcome and the feedback given to the learner. All learner evidence must be available to the EAL EQA.

How will it be assessed?

Assessment methods within this qualification include on-screen multiple choice examinations for all the mandatory units and Centre marked practical assessments. Assessment methods have been designed to assess the knowledge, understanding and skills of learners for all the units.

The on-screen multiple choice examinations are set by EAL and marked by EAL. The internal assessments are set by EAL and marked by members of the delivery team at the Centre.

Where the assessment takes the form of written/short answer or multiple choice question papers, these must be treated as controlled assessments.

Structure

This qualification will be obtained by completing the 57 credits (463 Guided Learning Hours) from the mandatory units at, or above, the level of the qualification.

Mandatory units: this unit must be completed:

Unit	Unit title	Credit value	GLH	Ofqual Code
QTMES2/01	Understand health and safety in building services environment	6	55	T/504/2989
QBSE2/02	Understand how to communicate with others within building services engineering	3	28	J/602/2482
QTMES2/03	Understand scientific principles within the plumbing and heating industry	5	40	R/504/3373
QTMES2/04	Understand pipework fabrication processes and techniques used for plumbing and heating systems	6	50	J/504/3368
QDMES2/02	Understand and apply domestic cold water system installation and maintenance techniques	8	62	H/602/2697
QDMES2/03	Understand and apply domestic hot water system installation and maintenance techniques	8	62	F/602/2884
QDMES2/04	Understand and apply domestic central heating system installation and maintenance techniques	10	82	Y/602/2888
QPLG2/02	Understand and apply domestic above ground drainage system installation and maintenance techniques	6	44	J/602/2921
QTMES2/10	Understand electrical systems within building services engineering	5	40	F/504/3000