

Level 1 Award in **Introduction to Welding Fume Hazard Control**

Qualification Specification

Overview

This qualification has been developed to provide learners with a fundamental knowledge of the hazards associated with breathing welding and cutting fumes and gases. It also provides the learner with knowledge of how to use engineering controlled solutions in order to reduce exposure to fumes and gases when welding and cutting.

Typical Job

Welder, Fabricator/welder, Pipe Fitter/welder, Sheet Metal Worker.

Qualification code:	601/8138/2
Level:	1
Credit:	2
Total qualification time:	24
Guided learning hours:	20
Minimum learning age:	16



Purpose of qualification

The EAL Level 1 Award in Introduction to Welding Fume Hazard Control is a Vocational Related Qualification (VRQ). The content and structure of the qualification has been developed to provide learners with a fundamental knowledge of the hazards associated with breathing welding and cutting fumes and gases. It will also provide the learner with knowledge of how to demonstrate good working practices by using engineering controlled solutions in order to reduce exposure to fumes and gases when welding and cutting.

What does this qualification cover?

This qualification comprises one mandatory unit, which covers a wide range of topics including: Health and Safety legislation associated with the protection against welding and cutting fumes and gases; how welding and cutting fumes and gases are produced; the hazards associated with welding and cutting fumes and gases; Knowledge of how to demonstrate good working practices to reduce exposure to welding and cutting fumes and gases and how engineering controlled solutions can be used to reduce exposure to fumes and gases when welding and cutting.

Who is this qualification for?

This qualification is predominantly for learners involved in an apprenticeship or full time education who want to develop their understanding in welding and cutting fumes and gases hazard control. The qualification can also be used to provide Continuing Professional Development (CPD) for anyone involved in the engineering sector who requires a fundamental understanding of welding and cutting fumes and gases hazard control.

It is suitable for learners aged:

- 16-18
- 19+

Who supports this qualification?

This qualification has been developed in consultation with colleges, training associations and industry to ensure that it meets the needs of learners and the engineering sector. This qualification is:

- Regulated by Ofqual at Level 1.
- Endorsed by Weldability SiF.
- Endorsed by the HSE.
- Endorsed by a number of post-16 providers as facilitating progression to a range of Engineering Apprenticeships or a range of post-16 learning programmes at level 2 and 3.

What could this qualification lead to?

Typical job roles include:

Welder, Fabricator/welder, Pipe Fitter/welder, Sheet Metal Worker.

This qualification relates to:

- EAL L1 Certificate in Performing Engineering Operations.
- EAL L1 Certificate in Arc Welding.
- EAL L1 Suite of Welding Qualifications.
- EAL L2 Certificate in Positional Welding.
- EAL L2 Diploma in Performing Engineering Operations.
- EAL L2 Suite of Engineering Technologies Qualifications.
- EAL L2 Diploma in Fabrication and Welding Engineering Technology.
- EAL L2 NVQ in Fabrication And Welding Engineering.
- EAL L3 NVQ in Fabrication And Welding Engineering.
- EAL L3 Diploma in Fabrication and Welding Engineering Technology.

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?

The EAL Level 1 Award in Introduction to Welding Fume Hazard Control will be awarded when the learner has successfully completed the one mandatory unit, comprising a knowledge assessment.

What will be assessed?

This qualification is made up of one unit to which an appropriate assessment method has been applied. The unit contains 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 External Quality Assurer.

Grading Criteria

This qualification is not graded.

However, Learners must achieve a Pass in the assessment for the qualification to be awarded. If learners are unsuccessful in the assessment then the overall result for the qualification will be 'referred' and a certificate will not be awarded.

Providing learners are successful in the assessment, the learner will be awarded a Pass for their qualification.

How will it be assessed?

The qualification is assessed by an EAL set, Centre marked knowledge assessment. The assessment method has been designed to assess the knowledge and understanding of learners for the mandatory unit.

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

All assessment decisions are then subject to internal and external quality assurance.

Structure

This qualification will be obtained by the learner once they have successfully completed the **one mandatory unit** listed below.

The qualification has 2 credits, 20 Guided Learning Hours (GLH) and 24 hours Total Qualification Time (TQT).

Mandatory unit:

Unit	Unit title	Credit	GLH	Ofqual Code
WFHC1/001	Welding Fume Hazard Control	2	20	M/507/9281