

EAL Purpose Statement:

Qualification Title:	601/4560/2 EAL Level 1 Foundation Certificate in Engineering Technology
Qualification Overview:	<p>What is this qualification?</p> <p>The qualification gives learners a broad introduction to the practices and processes of engineering technology. It covers basic knowledge, understanding and skills that are relevant to a wide variety of careers and study routes and takes a hands-on approach to basic engineering training by providing learners with:</p> <ul style="list-style-type: none"> • Experience and understanding of a range of potential careers in the engineering sector • Information that will help them make more informed decisions about their post-16 options • Personal skills to help them work effectively and achieve their potential • Transferable skills and skills that are not widely advanced through the traditional academic curriculum, which are applicable to a wide variety of contexts and learning objectives. <p>Who is this qualification for?</p> <p>The EAL Level 1 Foundation Certificate in Engineering Technology is predominantly for young people aged 14-16 in full time education who are interested in engineering and would like to acquire a basic level of knowledge and understanding about the engineering sector. The qualification may also be suitable for a career change. The qualification has been specifically designed to offer progression into other learners, including adults, who are interested in engineering technology and/or are considering the EAL Level 2 First Certificate and Level 2 First Diploma in Engineering Technology.</p> <p>There are no formal entry requirements for this qualification. However, learners must be at least 14 years of age and 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.</p> <p>What does the qualification cover?</p> <p>The qualification comprises one core mandatory unit, which provides learners with an introduction to working in the engineering sector, and 22 optional units, from which learners select three.</p> <p>Optional units cover a wide range of topics including: mechanical engineering materials; cutting, forming and assembling engineering materials; joining engineering materials; electronics; electrical installation; mechanical and electrical maintenance; computer maintenance; motor cycle maintenance; motor vehicle maintenance; cycle maintenance; automated technologies; basic maths and science used in engineering; working with customers; Computer Aided Drawing (CAD); Computer Aided Machining (CAM); engineering project planning; cutting, forming and assembly of pipework materials; cutting, jointing and finishing wood; tungsten inert gas welding; metal inert gas welding</p>

	(MIG/MAG); manual metal arc welding; and oxy-acetylene welding.
What could this qualification lead to?	<p>The EAL Level 1 Foundation Certificate in Engineering Technology provides direct progression to the EAL Level 2 First Certificate and Level 2 First Diploma in Engineering Technology.</p> <p>The qualification also provides progression into the following engineering qualifications at level 1 and 2:</p> <ul style="list-style-type: none">• EAL Level 1 NVQ Certificate in Performing Engineering Operations (QCF)• EAL Level 2 NVQ Diploma in Performing Engineering Operations• EAL Level 2 Certificates and Diplomas in Engineering and Technology subjects, such as mechanical, electrical, welding, maintenance, and plumbing• Further EAL level 2 engineering and manufacturing competence qualifications
Who supports this qualification?	This qualification is supported by the Society of Operations Engineers (SOE) which is the professional body and Chartered Institute for those engaged in the Engineering industry.
Further information:	<p>Further information can be obtained from the EAL Website or alternatively contact:</p> <p>EAL Customer Services Tel: +44 (0)1923 652400 Email: customercare@eal.org.uk</p>