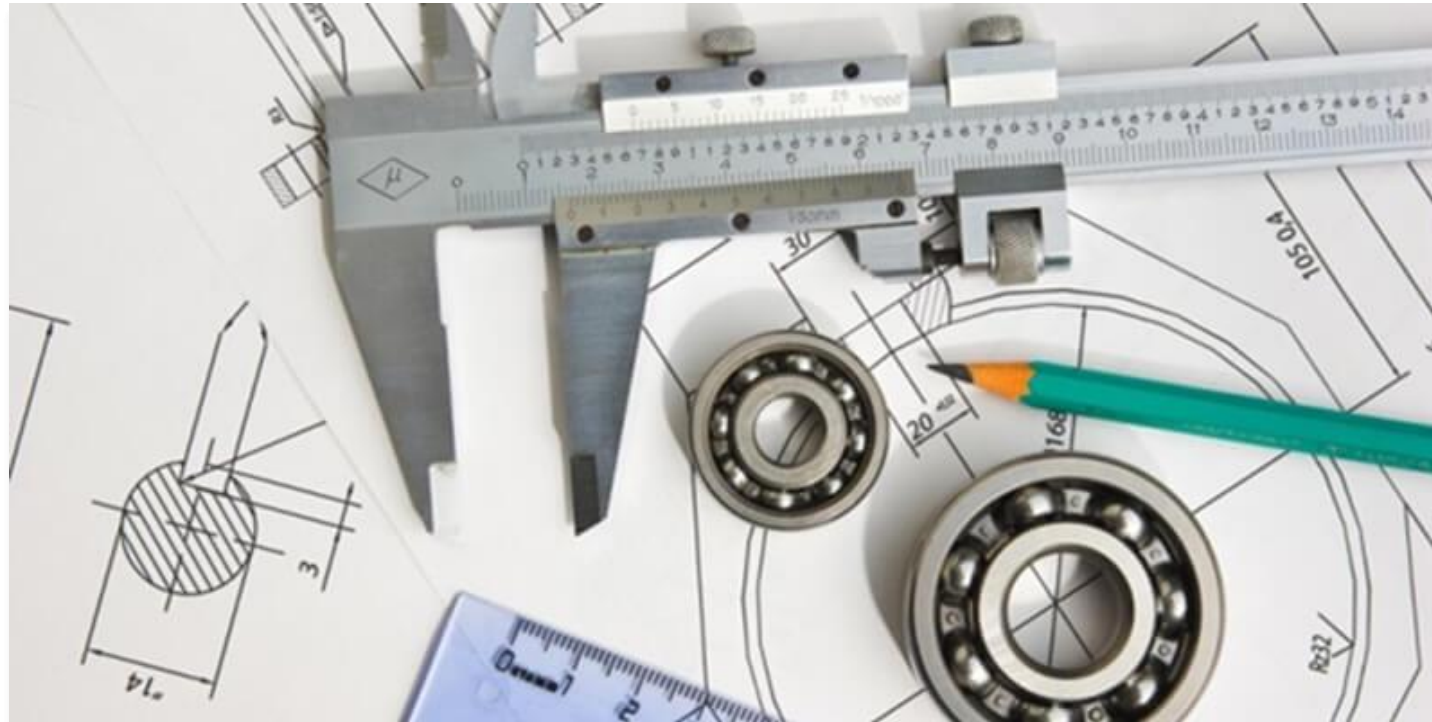


NCFE LEVEL 1/2 TECHNICAL AWARD IN ENGINEERING



Who is this qualification for?

- The Level 1/2 Technical Award in Engineering is designed for learners who want an introduction to engineering.
- The Level 1/2 Technical Award in Engineering complements GCSE qualifications. It is aimed at 14 to 16-year-olds studying key stage 4 (KS4) curriculum who are interested in the engineering industry. This qualification is designed to match the rigour and challenge of GCSE study.
- The qualification is graded at level 1 pass, merit, distinction and level 2 pass, merit, distinction and distinction* (equivalent to GCSE grades 8.5 to 1).
- It is distinct from GCSE Engineering, as it encourages the learner to use knowledge and practical tools to focus on developing transferrable skills in practical engineering, accompanied by the theoretical knowledge to help with progression into employment and onto further education.
- The study of engineering is the application of maths and science to solve real-world problems. This involves an understanding of the different disciplines of engineering and how they have shaped the products and projects of the modern world.
- Learners will be able to read technical drawings, select appropriate materials (along with tools and machinery) and know how to carry out a practical task, working in a safe manner in line with current health and safety legislation.



Qualification Content:

- Engineering disciplines
- Applied science and mathematics in engineering
- Reading engineering drawings
- Properties, characteristics and selection of engineering materials
- Engineering tools, equipment and machines
- Hand-drawn engineering drawings
- Computer-aided design (CAD) engineering drawings
- Production planning techniques
- Applied processing skills and techniques

Qualification title	NCFE Level 1/2 Technical Award in Engineering	
Qualification number (QN)	603/7006/3	
Level	Combined level 1/2	
Guided learning hours (GLH) (Total GLH has been rounded up to the nearest hour)	140	
GLH breakdown	<ul style="list-style-type: none">• 120 hours delivery• 1 hour 30 minutes EA• 18 hours NEA	
Non-exam assessment (NEA)	Weighting (60%)	Externally set, internally marked and externally moderated: <ul style="list-style-type: none">• synoptic project
Examined assessment (EA)	Weighting (40%)	Externally set and externally marked: <ul style="list-style-type: none">• written exam
Total	100%	Overall qualification grades: L1P, L1M, L1D, L2P, L2M, L2D, L2D*

40% Exam – 1hr 30
60% Coursework



Learners will develop the following knowledge and skills:

- adapting their own ideas and responding to feedback
- evaluating their own work
- analysing data and making decisions
- practical application of tools and machinery, whilst adhering to health and safety legislation and guidance
- an appreciation of materials, technology and applications
- skills that are essential for the engineering sector, such as understanding how to read drawings, responding to data, independent working, working to deadlines, and efficient use of resources
- an ability to reflect upon their preferred learning style and identify relevant study skills

Learners will develop the following skills that will inform future training and work in the engineering industry:

- decision making
- observation
- resourcefulness
- problem solving
- planning
- evaluation
- reflection
- interpersonal skills
- professional behaviours
- respect and appreciation of others
- an ability to reflect upon their preferred learning style and identify relevant study skills



What's next?

Depending on the grade the learner achieves in this qualification, they could progress to:

- A Level in Design Technology or Physics
- Level 2 Technical Certificate in Engineering
- Level 3 Applied General in Engineering
- Level 3 Technical Level in Engineering
- An apprenticeship sector such as Aerospace Engineer or an Electrical/Electronic Support Engineer or Engineer.

