

Level 1/2 Vocational Award in Engineering (Technical Award)

QUALIFICATION GUIDE



ABOUT THIS QUALIFICATION

The Eduqas Level 1/2 Engineering Vocational Award provides learners with a comprehensive introduction to this vital and fast-growing sector.

Why study Engineering?

Engineering is a driving force in the UK economy, employing over 6.3 million people – equivalent to almost 1 in 5 jobs. Engineering and technology sector jobs are predicted to grow rapidly by 2030, increasing demand for skilled workers.

This qualification will provide learners with a grounding in an essential sector that offers opportunities in a wide variety of disciplines such as aerospace, environmental engineering, mechanical engineering, product development and manufacturing.

Learners will develop an understanding of engineering principles and build their skills and knowledge in key areas including engineering advances, materials, processes, technical drawing and machining, as well as transferrable skills such as problem solving and communicating ideas.

Who is the qualification suitable for?

Our Level 1/2 Engineering Vocational Award has been designed as a vocational alternative or supplement to GCSE qualifications for 14-16 year old learners in schools and colleges.

It offers a structured pathway to understanding the diverse career opportunities in Engineering, and provides a foundation for further study that in turn would support learners' progression to employment within the sector.

WHAT DOES THE QUALIFICATION COVER?

The qualification consists of three units:

Unit 1: Manufacturing Engineering Products

(48 Guided Learning Hours). In Unit 1 learners will:

- Interpret different types of engineering information to plan how to produce engineering products.
- Develop knowledge, understanding and skills in using engineering tools and equipment to produce and test an end product.

Unit 2: Designing Engineering Products

(24 Guided Learning Hours). In Unit 2 learners will:

- Explore how an engineered product is adapted and improved over time, and to apply their knowledge and understanding to adapt an existing component, element or part of the engineering outcome that they produced for Unit 1.

Unit 3: Solving Engineering Problems

(48 Guided Learning Hours). In Unit 3 learners will:

- Learn a range of considerations that impact on engineering design and how modern engineering has had an impact on modern day life at home, work and in society in general.



SUMMARY OF ASSESSMENT

Unit 1: Manufacturing Engineering Products

Controlled Assessment: 20 hours, 40% of qualification (80 marks)

An assignment brief will be provided by Eduqas, including a scenario and several tasks. These will be available via the WJEC/Eduqas Portal.

Unit 2: Designing Engineering Products

Controlled Assessment: 10 hours, 20% of qualification (40 marks)

An assignment brief will be provided by Eduqas, including a scenario and several tasks. These will be available via the WJEC/Eduqas Portal.

Unit 3: Solving Engineering Problems

Written Assessment: 1 hour 30 minutes, 40% of qualification (80 marks)

Questions requiring objective responses, short and extended answers, based around applied situations. Learners will be required to use stimulus material to respond to questions



Assessment Objectives

Learners must:

- AO1: Demonstrate knowledge and understanding from across the specification
- AO2: Apply skills (including practical skills), knowledge and understanding in a variety of contexts and in planning and carrying out investigations and tasks.
- AO3: Analyse and evaluate information, making reasoned judgements and presenting conclusions.



WHY CHOOSE EDUQAS FOR VOCATIONAL?

Our L1/2 Vocational Award in Engineering is part of our suite of Technical Awards. Each qualification shares these key features:

- **Simple qualification structures** minimise the number of assessments learners must complete while simplifying administration.
- **Clear, straightforward specifications** set out what learners need to know, understand and be able to do.
- **A minimum of 60% non-examination assessment (NEA)**, providing learners with the opportunity to demonstrate their skills, knowledge and understanding through practical and engaging tasks.
- **Mark-based awarding** - this means that learners can still achieve the qualification if they don't perform well in a particular assessment, providing their performance in another unit compensates for this.
- **Course companion textbooks** available for each qualification covering the knowledge and skills learners will need as they progress through the course.
- **E-Assessment opportunities** All of our Level 1/2 Vocational Awards offer opportunities for E-Assessment, allowing learners to complete exams on-screen.

GETTING STARTED WITH EDUQAS

Getting started with Eduqas for Vocational and Applied qualifications is a straightforward, three-step process:

1

Register your interest in teaching with Eduqas

Visit [eduqas.co.uk/vocational](https://www.eduqas.co.uk/vocational) and complete the Register Your Interest form. This helps us better support you through the process of getting started with Eduqas.

2

Ask your Exams Officer if your centre is registered with Eduqas

If not, they will need to contact us at centres@wjec.co.uk to register. Once your centre is registered, your Exams Officer can provide you with access to our Portal, which you will need to complete key processes and access exclusive resources.

3

Visit your qualification page for everything you need to get started

You can find this by going to [eduqas.co.uk/qualifications](https://www.eduqas.co.uk/qualifications) and searching for your subject. Here you'll find links to everything you need to start teaching with Eduqas:

- Your specification
- Guidance for teaching
- Contact details for your Subject Officer
- Free digital teaching resources
- Training opportunities
- Key dates for your qualification
- Past Papers and Mark Schemes

Now you're ready to start teaching with Eduqas – but if you need more guidance, contact our Support Team on hereforyou@eduqas.co.uk, or discover training opportunities at [eduqas.co.uk/professionallearning](https://www.eduqas.co.uk/professionallearning)

PROFESSIONAL LEARNING OPPORTUNITIES

Eduqas offers a comprehensive range of professional learning opportunities to help you teach with confidence.

Our expert-led training programme provides all the support you need to enhance your teaching and successfully deliver our qualifications.

ASSESSMENT FEEDBACK PACKAGE

Our Assessment Feedback Package is an opportunity to gain a deeper understanding of how assessments are marked or moderated.

This integrated suite of resources and training includes:

- Free access to Principal Examiner reports
- Free Online Assessment Feedback sessions
- Paid face-to-face training events
- Free access to scripts

Learn more: eduqas.co.uk/professionallearning





COURSE COMPANION TEXTBOOK

This book has been written specifically for the Eduqas Level 1/2 Vocational Award in Engineering course. This book is suitable for learners of all abilities and covers the knowledge and skills they will need as they progress through the course.

ABOUT THE AUTHOR

Matt Wrigley has worked in education for over 20 years in Higher Education, Further Education and Secondary Education and has taught and delivered subjects including Engineering, Product Design, Construction and Graphic Communication.

He has also previously worked with the WJEC/Eduqas on the examiner committee, as a moderator, adviser/reviewer of Level 3 Engineering development as well as being part of the JCQ working group in the development of the new Engineering GCSE. Matt has also previously authored the textbook for the first iteration of the Engineering specification as well as developed resources that are used by numerous different centres.



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ACCESSING SUPPORT

Our **Regional Support Team** operates across the UK, and is available to help you teach Eduqas qualifications with confidence.

As an Eduqas teacher, you can access their support for free online or in-person at a time and place that suits you.

Each member of the team is an experienced former teacher who understands the challenges of the classroom.



They can provide you with all the support you need to help your learners succeed, including:

- help getting started with Eduqas
- expert insight into your specification
- answers to your questions on assessment
- guidance on accessing our free digital resources, and more.

Contact the team:
hereforyou@eduqas.co.uk

MEET YOUR EDUQAS REPRESENTATIVE



ANT FLEMING

Ant Fleming has extensive experience in education, having taught a range of subjects for 18 years, including vocational qualifications, Geography and Physical Education.

“The role of Regional Representative lets me support teachers in delivering Eduqas qualifications confidently. I respond to emails, host online meetings, meet with Exam Officers, and represent Eduqas at conferences.

I believe supporting teachers is crucial to success. It's important for teachers to have someone to consult, benefiting learners and schools alike.

Each day is different, but my focus is always on helping teachers. The most rewarding part is when teachers feel more confident after our meetings.”

Want to learn more? Contact at hereforyou@eduqas.co.uk, or [request an informal online chat through our booking page](#).

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