GCE AS Examiners' Report

Electronics

AS

Summer 2026

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Introduction

Our Principal Examiners' report provides valuable feedback on the recent assessment series. It has been written by our Principal Examiners and Principal Moderators after the completion of marking and moderation, and details how candidates have performed in each component.

This report opens with a summary of candidates' performance, including the assessment objectives/skills/topics/themes being tested, and highlights the characteristics of successful performance and where performance could be improved. It then looks in detail at each unit, pinpointing aspects that proved challenging to some candidates and suggesting some reasons as to why that might be.[1]

The information found in this report provides valuable insight for practitioners to support their teaching and learning activity. We would also encourage practitioners to share this document – in its entirety or in part – with their learners to help with exam preparation, to understand how to avoid pitfalls and to add to their revision toolbox.

Further support

Document	Description	Link
Professional Learning / CPD	Eduqas offers an extensive programme of online and face-to-face Professional Learning events. Access interactive feedback, review example candidate responses, gain practical ideas for the classroom and put questions to our dedicated team by registering for one of our events here.	https://www.eduqas.co.uk/home/professional-learning/
Past papers	Access the bank of past papers for this qualification, including the most recent assessments. Please note that we do not make past papers available on the public website until 12 months after the examination.	Portal by WJEC or on the Eduqas subject page
Grade boundary information	Grade boundaries are the minimum number of marks needed to achieve each grade. For linear specifications, a single grade is awarded for the subject, rather than for each component that contributes towards the overall grade. Grade boundaries are published on results day.	For unitised specifications click here: Results and Grade Boundaries and PRS (eduqas.co.uk)

[1] ***Please note that where overall performance on a question/question part was considered good, with no particular areas to highlight, these questions have not been included in the report.***

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Exam Results Analysis	Eduqas provides information to examination centres via the WJEC Portal. This is restricted to centre staff only. Access is granted to centre staff by the Examinations Officer at the centre.	Portal by WJEC
Classroom Resources	Access our extensive range of FREE classroom resources, including blended learning materials, exam walk-throughs and knowledge organisers to support teaching and learning.	https://resources.eduqas.co.uk/
Bank of Professional Learning materials	Access our bank of Professional Learning materials from previous events from our secure website and additional pre-recorded materials available in the public domain.	Portal by WJEC or on the Eduqas subject page.
Become an examiner with WJEC.	We are always looking to recruit new examiners or moderators. These opportunities can provide you with valuable insight into the assessment process, enhance your skill set, increase your understanding of your subject and inform your teaching.	Become an Examiner | Eduqas

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Contents

	Page
Executive summary	5
Supporting you – useful contacts and links	6

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Executive Summary

Candidates' performance in AS Electronics this year was better than last year. The mean mark for Component 1 was significantly higher than 2025 while for Component 2, it was slightly lower. Analysis did indicate that the Component 1 exam was less difficult than last year. It should be noted however that the statistics are based on a relatively small number of entries.

Component 1: Principles of Electronics (exam)

As in previous years, the exam questions covered all topics in the specification. The majority of questions were attempted, with 100% of candidates attempting 6 of the 11 questions.

There were many excellent scripts, gaining good marks in all questions, and showing a clear understanding of principles across all topics. For questions involving calculations, many candidates showed a clear, step-by-step approach to solving the equations. Explanations and diagrams tended to be rather less well done.

The highest marks were achieved in the first two questions. Question 1 required the application of Ohm's and Kirchoff's laws to a resistor network. Some candidates found part (b), involving a diode, more challenging. Question 2 involved Boolean algebra, NAND gate replacement, Karnaugh maps and de Morgan's theorem. The question on flowcharts was also well answered.

Lower marks were gained in questions on Thevenin's theorem, voltage regulators using zener diodes and RC circuits. As in previous years, the QER questions were least well answered. A significant number of candidates gave no written response at all. Candidates should be advised that QER questions require written descriptions or explanations as well as diagrams and calculations.

The AS Electronics eBook includes examples and exercises on all topics. This and other resources are free and available on the AS/A level Electronics resources webpage.

Component 2: System Design and Realisation Tasks (NEA)

For the first time this year, centres were required to submit NEA samples electronically via the IAMIS system. Centres are thanked for preparing well-organised samples and correctly uploading them by the submission deadline. This was very helpful for online moderation.

The Electronics Task Forms were revised this year to add codes, identifying each of the marking criteria. Most centres submitted the revised forms and used the codes to annotate work. Some centres however provided no annotation whatsoever. Clear annotation on the Task Forms and scripts is very helpful in justifying marks awarded. The revised forms are available on the Electronics webpages under 'NEA'.

Most centres' assessment was accurate with only a few centres' marks requiring adjustment. Most centres produced a good range of projects however in a few centres, it appeared that a common design brief had been provided. Candidates are required to select their own, individual projects.

Examples were seen of well-designed and constructed circuits, with detailed reports, including clear screenshots and photographs. Centres should note that design specifications must include measurable quantitative parameters, justified by research of the problem. Some candidates' specifications were poor, with no reference made to them in planning or evaluations. Centres should refer to their moderator's report for specific feedback.

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Supporting you

Useful contacts and links

Our friendly subject team is on hand to support you between 8.30am and 5.00pm, Monday to Friday.
Tel: 029 2240 4254
Email: electronics@eduqas.co.uk
Qualification webpage: AS/A Level Electronics

See other useful contacts here: Useful Contacts | Eduqas

CPD Training / Professional Learning

Access our popular, free online CPD/PL courses to receive exam feedback and put questions to our subject team, and attend one of our face-to-face events, focused on enhancing teaching and learning, providing practical classroom ideas and developing understanding of marking and assessment.

Please find details for all our courses here: https://www.eduqas.co.uk/home/professional-learning/

Regional Rep Team

Our regional team covers all areas of England and can provide face-to-face and online advice at a time which is convenient to you.

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Regional Support Team | Eduqas

Eduqas Qualifications

We are one the largest providers of qualifications for schools, academies, sixth form and further education colleges across England, offering valued qualifications to suit a range of abilities. Each and every one of our qualifications is carefully designed to engage students and to equip them for the next stage of their lives.

We support our education communities by providing trusted qualifications and specialist support, to allow our students the opportunity to reach their full potential.

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WJEC
245 Western Avenue
Cardiff CF5 2YX
Tel No 029 2026 5000
Fax 029 2057 5994
E-mail: exams@wjec.co.uk
website: www.wjec.co.uk

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