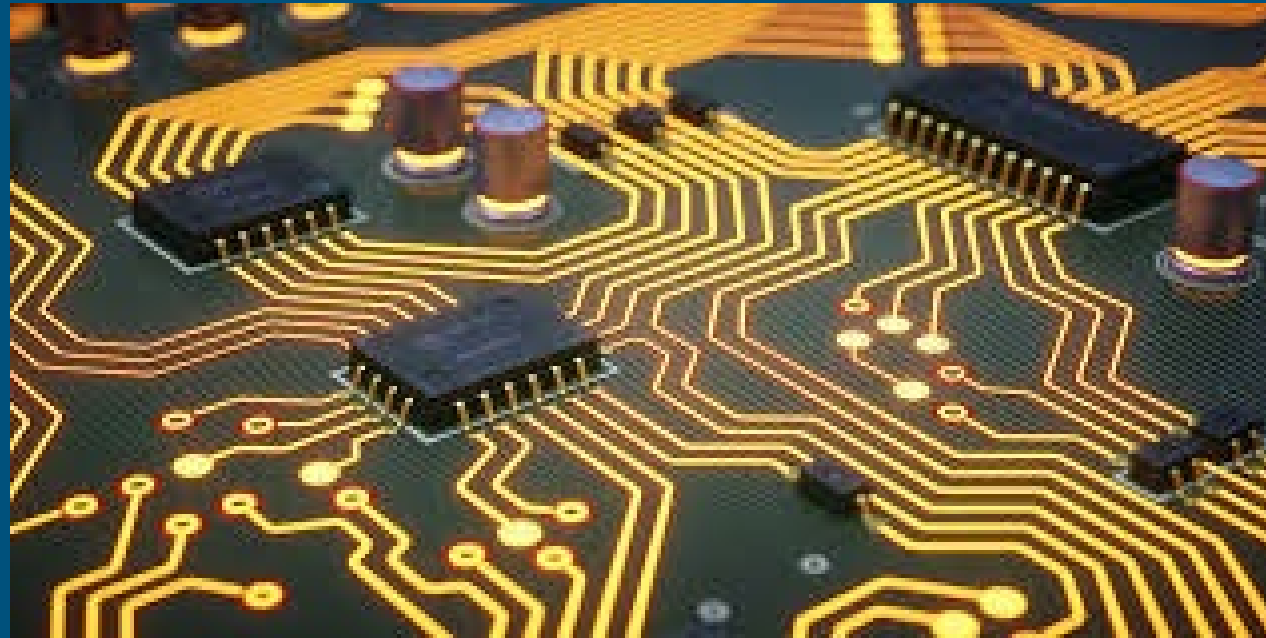


# GCSE Electronics



You will study a course with 11 topic areas divided into two components.

### Component 1:

- 1 – Electronic systems
- 2 – Circuit concepts
- 3 – Resistive components
- 4 – Switching circuits
- 5 – Applications of diodes
- 6 – Logic systems

### Component 2:

- 1 – Operational amplifiers
- 2 – Timing circuits
- 3 – Sequential systems
- 4 – Digital to analogue
- 5 – Control circuits

Content

Exam

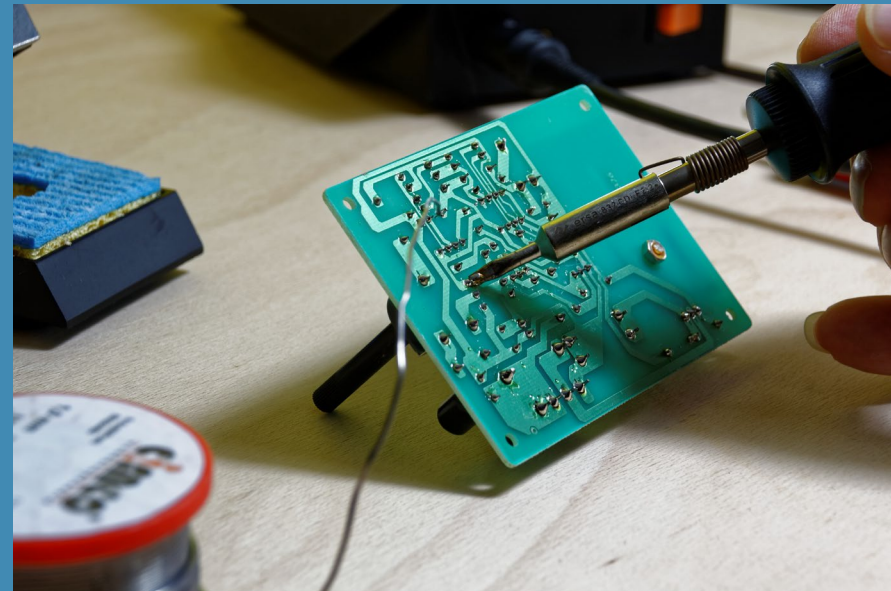
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For each topic you will study the theory and then carrying out practical investigations you put the theory into practice.



## What skills will I develop?

You will develop scientific and engineering skills to analyse and design electronic systems for a range of practical situations.

You will learn about and work with a wide range of digital and analogue electrical and electronic systems. For example you will be involved in

- Designing logic circuits to perform a set task.
- Testing amplifier circuits and their suitability.
- Programming and wiring a microcontroller into a circuit.

The qualification is assessed in 3 components:

<b>Component 1</b>	Assessed by exam A mix of short answer questions, structured questions and extended writing questions, with some set in a practical context.	40% of the final mark
<b>Component 2</b>	Assessed by exam A mix of short answer questions, structured questions and extended writing questions, with some set in a practical context.	40% of the final mark
<b>Component 3</b> Non Exam Assessment	Assessed by an extended system design and realisation task to assess electronics skills	20% of the final mark

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Mr Anthony Thomas will be delivering the  
Electronics course in 20 22-20 24



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The knowledge and skills you will learn and practice throughout the course will help you to progress to Level 3 courses or apprenticeships in electronics or wider engineering areas, such as electrical engineering, process control, systems design, manufacturing, robotics/automation and medical services.

The transferable skills developed by studying electronics are actively sought out by employers.

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GCSE (9-1) Electronics  
Teaching from 2017  
Accredited by Ofqual  
Designated by Qualifications Wales

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[www.eduqas.co.uk/electronics](http://www.eduqas.co.uk/electronics)

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The image shows a promotional banner for GCSE (9-1) Electronics. It features a row of various writing instruments including a fountain pen, pencils, pens, and markers. The background is orange with a white banner at the bottom containing the website URL and the eduqas logo. A 'Watch Now' button is visible in the top right corner of the banner.