



# MATHEMATICS GCSE

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*Ofsted said: "Leaders thoroughly and precisely evaluate everything that goes on in the school." February 2022*

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# **MATHEMATICS GCSE SPECIFICATION AT A GLANCE**

**EXAM BOARD:** Pearson Edexcel

## **END OF COURSE ASSESSMENT:**

The assessments will cover the following content headings:

- 1 Number
- 2 Algebra
- 3 Ratio, proportion and rates of change
- 4 Geometry and measures
- 5 Probability
- 6 Statistics

## **Two tiers of qualification are available:**

Foundation (Grades 1-5)

Higher (Grades 4 - 9)

- The qualification consists of three equally-weighted written examination papers at either Foundation tier or Higher tier
- All three papers must be at the same tier of entry and must be completed in the same assessment series (eg. May / June 2027)
- Paper 1 is a non-calculator assessment
- A calculator is allowed for Paper 2 and Paper 3
- Each paper is 1 hour and 30 minutes long
- Each paper is worth 80 marks

## **MATHEMATICS COURSE INFORMATION**

**As a compulsory subject the purpose of the course is to:**

- give students the confidence and evidence that the mathematical skills, knowledge and understanding that they acquire during the course of their study are as good as that of the highest performing jurisdictions in the world
- provide a strong foundation for further academic and vocational study and for employment. Mathematics GCSE will give students the appropriate mathematical skills, knowledge and understanding to help them progress to a full range of courses in further and higher education. This includes A-Level mathematics courses as well as A -Level and undergraduate courses in other disciplines such as biology, geography and psychology, where the understanding and application of mathematics is crucial

**The aims and objectives of the Edexcel GCSE mathematics course are to enable students to:**

- develop fluent knowledge, skills and understanding of mathematical methods and concepts
- acquire, select and apply mathematical techniques to solve problems
- reason mathematically, make deductions and inferences, and draw conclusions
- comprehend, interpret and communicate mathematical information in a variety of forms appropriate to the information and context

## **Further reading/ suggested revision materials:**

### **Edexcel website:**

<https://qualifications.pearson.com/en/qualifications/edexcel-gcses/mathematics-2015.html>

### **Useful revision sites**

**A range of practice papers, videos and worksheets can be found on these sites:**

MathsWatch – <https://vle.mathswatch.co.uk/vle/>

Maths Genie – <https://www.mathsgenie.co.uk/>

Corbett Maths – <https://corbettmaths.com/>

**For further information, please contact:**

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