



# GCSE Mathematics and Numeracy

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The Mathematics course consists of two full and separate GCSEs. Each qualification provides a reliable measure of a student's general mathematical understanding and ability to use different mathematical techniques.

GCSE Mathematics examines all the traditional skills that have been built up by pupils throughout their school life. These skills fall into four broad categories of Number, Algebra, Shape & Space, and Data Handling.

Pupils will be taught these skills throughout their time at Cefn Saeson. Pupils will build upon the knowledge they learnt at primary school and will continue to develop their understanding and will tackle increasingly difficult concepts as their knowledge and understanding develops.

GCSE Numeracy Cefn Saeson focuses on introducing children to concepts, skills and thinking strategies that provide a way of viewing and making sense of the world. It is used to analyse and communicate information and ideas and to tackle a range of practical tasks and real life problems. It enriches children's learning by fostering and developing creativity through mathematical principles.

*GCSE Numeracy* uses most of the skills pupils have learnt in Mathematics but tests how pupils are able to apply their knowledge to real life situations. The Numeracy papers are heavily focussed on problem solving, the application of Maths skills to the world of work and to other areas of the community.

## Exam

### Assessment Criteria:

There is no coursework, meaning that both Mathematics and Numeracy are 100% exam based.

### GCSE Mathematics

Pupils sit ~~two~~ exams – paper 1 is a non-calculator exam and paper 2 which requires use of a calculator.

The marks on the two papers are aggregated to award an overall grade for Mathematics.

The exams are tiered to cater for the individual learning needs of each pupil.

Higher Tier Sat by the most able pupils. Grades A\* to D can be awarded.

Intermediate Tier Sat by most pupils. Grades B to E can be awarded.

Foundation Tier Sat by pupils that find mathematics difficult. Grades D to G can be awarded.

## Exam

**GCSE Numeracy** follows the same format as for GCSE Mathematics.

Pupils sit **two** exams– paper 1 is a non-calculator exam and paper 2 which requires use of a calculator.

The marks on the two papers are aggregated to award an overall grade for Numeracy. The exams are tiered to cater for the individual learning needs of each pupil.

**Higher Tier** Sat by the most able pupils. Grades A\* to D can be awarded.

**Intermediate Tier** Sat by most pupils. Grades B to E can be awarded.

**Foundation Tier** Sat by pupils that find mathematics difficult. Grades D to G can be awarded.

## Staff

As every pupil must study *Mathematics* throughout their school life, the *Maths* department is quite large.

Mr. GSlarke



Mr DBattell



Mr GPritlove



Mr J Myles



Ms. HHodge



Ms C Webbhorn



Mr S Andebrhan



Ms J Roberts



**Told you!**

## Careers

### How Mathematics will help you in the future

Aside from the fact that you will have developed a knowledge and understanding of mathematical principles and problem solving, Mathematics also helps you to develop a number of skills including:

- \*Reasoning
- \*The ability to evaluate
- \*How do demonstrate your knowledge and understanding
- \*The ability to break down complex problems into a sequence of smaller, solvable steps.  
(to name a few!)

### Future Careers

Essentially, Graduates of Mathematics tend to be sought after by many industries!

Actuary  
Accountant  
Data Analyst  
Investment Analyst  
Risk Assessor  
Software Engineer  
Teacher  
Police  
Statistician  
Investment Analyst  
Quantity Surveyor

## “VIEWS OF CURRENT STUDENTS”

“My teacher makes me work hard but always gives me help if I’m struggling” – Eve Yr 10

“I didn’t think that the jump from primary school was as hard as I was expecting” – Jack Yr 8

“You go over things that you know and then add in extra stuff” Ruby Yr 8

“I used to really hate maths but now I quite enjoy it. I actually think I can pass my GCSEs now” – Nia Yr 10

“I have already passed my Maths GCSE because I sat it early. I have sat my Numeracy GCSE and I’m waiting for my result. We’re now doing Finance.” – Harry Yr 11

## How We were taught during Lockdown

