



KS3 and 4 Mathematics

Lessons

All Years have four 50 minute maths lessons each week with the exception of Year 8 who have three lessons. Two of these lessons form a double lesson for Year 10 and 11 pupils.

Pupils will focus on applying the skills learnt to solving mathematical problems in a variety of contexts during lessons. Teachers will assess learning throughout the lesson both formally and informally. Pupils are expected to be equipped with a pen, ruler, pencil, eraser and calculator each lesson. A variety of resources and techniques are used such as mini-whiteboards or loop cards and matching activities.

In the sixth form, A level Maths is one of the most popular subjects. We also have high numbers of students studying A level Further Maths and Level 3 Core Maths.

Setting

At the start of Year 7 pupils are initially taught in their tutor groups. Students are set later in term 1 following our own baseline test, CATs scores and teachers' initial observations. Setting continues to be monitored on a regular basis and changes are made, where appropriate, taking assessment data, homework scores and teachers' observations in lessons into consideration. We will contact home to discuss the reasons behind a set change prior to moving a pupil.

Homework & Assessment

Homework is set at the end of each topic on Show My Homework. Regular assessment takes place throughout the year and an overall grade is awarded for each formal assessment. Students in KS3 track their progress throughout the year using progress maps. In Year 7 and 8 pupils create revision notes on a page of A4 paper prior to a test. These revision notes can then be used during the tests to aid the pupils. We hope that this process will encourage our pupils to prepare for each test accordingly and begin to help them find effective revision strategies for them. Following an assessment, pupils are encouraged to identify their strengths and set individual targets. We encourage pupils to be independent learners and recommend websites such as [Dr Frost](#), and [Corbett Maths](#) for independent practice.

Key Stage 3

The schemes of work in Year 7, 8 and 9 are designed to meet National Curriculum requirements and to ensure progress across the Key Stage. There is a weekly KS3 Maths Support lunchtime session.

Key Stage 4

GCSE Maths

In Year 10 students start studying their GCSE Maths course. Pupils will prepare to sit either the Higher Tier (grades 9-4) or Foundation tier (Grades 5-1) paper.

There is a weekly KS4 Maths Support lunchtime session. As we approach the end of the course, pupils will have opportunity to focus their revision when we work on past exam papers.

GCSE Maths Exams (Exam board - Pearson Edexcel) – Summer of Year 11

- Paper 1 – Non-Calculator (90 mins)
- Paper 2 – Calculator (90 mins)
- Paper 3 – Calculator (90 mins)

GCSE Statistics

In addition to GCSE Mathematics our pupils also study and gain a qualification in GCSE Statistics. This is taught within maths lessons with the exam sat in the summer of Year 10.

As with Maths, Pupils will prepare to sit either the Statistics Higher Tier (grades 9-4) or Foundation tier (Grades 5-1) paper.

GCSE Statistics Exams – Summer Year 10

Paper 1 – Calculator (90 mins)

Paper 2 – Calculator (90 mins)