

Core for both pathways

What is Mathematics?

Mathematics allows us to logically and creatively question and explore the challenges of the everyday world. It goes beyond language and culture, providing a common understanding for all mankind. Mathematics is awe-inspiring!

Course Content:

Schemes of work in Years 10 and 11 will support entry into the two-tier GCSE examination. Pupils will develop the knowledge, skills and understanding of mathematical methods and concepts including: number and algebra, geometry and measures, statistics and probability. The use of ICT is encouraged throughout the course, in particular the proficient use of calculators. At the same time, the importance of 'pen and paper' arithmetic methods are stressed via regular practice.

Mathematics is a core subject. All pupils are expected to attend every mathematics lesson with the following equipment:

pen, pencil, eraser, protractor, pair of compasses and a scientific calculator.

Assessment:

Pupil progress is constantly being assessed in the classroom. Home learning is set to all classes twice a week and should engage a pupil for an hour on each occasion. Home learning will be assessed and next- step targets will be set. Each homework is set with the expectation and time consideration that help will be obtained before homework is due in. Other more formal assessments include four progress tests in Year 10 and two mock examinations in Year 11, which will be used to confirm the tier of entry and predicted GCSE grade for each pupil. A grade 5 is considered a good pass.

Examination Tier	Grade Range
Higher	4 - 9
Foundation	1 - 5

There will be three examinations - one non-calculator, two calculator - each with equal weighting. Each paper will assess a pupil's ability to recall, select and apply their knowledge of mathematics and to interpret, analyse and solve problems.

Trips, Resources and other opportunities: (Subject to Covid-19 Regulations)

Workshops are available on Monday and Tuesday afternoons, during Enrichment Time. Tiered revision sessions take place in Year 11.

Subject Leader: Matthew Smith

Exam Board:

Subject:	Board:	Syllabus Code:	Examination/NEA/Coursework
GCSE Mathematics	Pearson	1MA1	Exam 100%