

MATHEMATICS

What is included in KS3?

Deeper understanding

Pupils are given time and opportunities to fully explore mathematical concepts. The challenge comes from investigating ideas in new and complex ways – rather than accelerating through new topics.

Problem-solving

Enabling learners to solve new problems in unfamiliar contexts is the ultimate aim of mathematics education. Identifying, applying and connecting ideas enables pupils to tackle new and more complex problems.

Mathematical thinking

Successful mathematicians are known to develop mathematical 'habits of mind'. To encourage this, we support pupils to be systematic, generalise and seek out patterns.

Mathematical language

Mathematical language strengthens conceptual understanding by enabling pupils to explain and reason. This is introduced and reinforced through frequent discussion to ensure it is meaningfully understood.

How will I be assessed?

At the beginning of every half term students sit a pre-test to gauge their prior understanding of the topics to be taught. A similar post-test is sat at the end of the half term. Progress is can be seen from the difference between the two test scores.

Progression/career opportunities

This course is an excellent opportunity to begin to develop the skills needed for occupations and university courses in engineering, banking, management, accountancy, computing and technology.

Who should I contact for more information?

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