



St. Thomas More
CATHOLIC SCHOOL
Key Stage 3 MATHEMATICS

Aims

We aim to develop and encourage the use of mathematics both as a discipline in its own right and as a means of solving problems in a clear and logical way. Written, practical and oral skills are to be used.

This syllabus will allow and encourage candidates to develop:

- a positive attitude to mathematics, including confidence, enjoyment and perseverance;
- an appreciation of the place of mathematics in society, including historical and cultural influences;
- an increased knowledge of terminology needed to express themselves fluently about maths
- problem –solving, mathematical reasoning and financial skills including stretching thinking skills with investigations and challenges
- an appreciation of how the different branches of mathematics relate to each other;
- an appreciation of the various ways mathematics is used;
- the knowledge, skills and understanding needed to apply mathematics to situations which arise in their own lives;
- an ability to use mathematics across the curriculum;
- a firm foundation for further study of mathematics at any level.

Course Content

The syllabus is divided into 6 areas:

Number, Algebra, Ratio and proportion, Probability, Statistics and Geometry.

Method of Assessment

Pupils will be assessed using tests specifically aimed at

- checking your students understanding
- identifying areas where intervention is needed
- getting students used to how GCSE papers look and feel
- become familiar with command words and question styles to GCSE

End of year tests closely mirror the structure of GCSE, with one calculator and one non-calculator paper each.