

Mathematics

Mathematics is a universal part of life and plays a vital role in many aspects of modern society. Mathematics at KS3 builds on the content, knowledge and skills developed at Primary School. The KS3 Mathematics course at Dean Trust Ardwick is designed to develop pupils' confidence, analytical, research and problem solving skills, which supports pupils for progression to KS4.

Year 7

The Mathematics curriculum in Year 7 focuses on the extension and development of skills first explored at KS2. Pupils are encouraged to develop and improve their Mathematical reasoning and are challenged to apply their Mathematical knowledge to real world examples. There are 10 main units:

1. Number and the number System.
2. Calculating and Approximating.
3. Shape and Constructions.
4. Pattern Sniffing.
5. Investigating Time.
6. Fractions, Decimals and Percentages.
7. Measuring and Calculating Space.
8. Angles.
9. Presenting and Measuring Data.
10. Algebra.

Year 8

In Year 8 the above 10 topics are revisited and the skills and knowledge for each topic are taught in greater depth. This is in order to ensure pupils are constantly improving and developing their Mathematical skills. New topics are also introduced, such as understanding risk and probability.

Problem solving forms a large part of the curriculum and pupils are encouraged to use the skills that they have been taught in order to solve problems

Year 9

In Year 9 the Mathematics curriculum again ensures topics are revisited in order to deepen pupils understanding and ensure they are confident in using the skills needed to achieve well at GCSE. A number of new topics are introduced, including inequalities. Pupils are regularly given GCSE questions and are required to fully justify their answers to these questions.

Extra-Curricular

The Mathematics faculty offer a popular Maths Games Club every Tuesday, which allows pupils to develop their Mathematical skills in a different setting. There is also an after school catch-up club every Friday where pupils can come to work with a teacher on their specific areas for improvement.