

MATHS DEPARTMENT INFORMATION

The Maths Department at John Ferneley College consists of 10 subject specialist teachers who all believe that students deserve a knowledge-rich and ambitious curriculum which will prepare them for a world outside of school walls.

Students follow the AQA specification for GCSE Mathematics and our 5-year scheme of work ensures continuity of learning from years 7 to 11. We take a mastery approach to learning through our KS3 curriculum, with students taught in mixed ability groups when they first arrive with us, providing all children with the same opportunities to achieve.

In Year 7 we focus predominantly on the 'Number' area of mathematics which creates a solid mathematical foundation, whilst in Year 8 there is an emphasis on 'Algebra', both of which are heavily weighted within the GCSE examination. The KS3 curriculum has close links with the White Rose Maths Scheme of learning. Geometry and Statistics skills are introduced in Year 9 as well the continuation of Ratio and Proportion from Year 8. Topic areas have been carefully sequenced to run in an order that is fluid and coherent. Students should be able to see how the topic areas link together and how, as a department, we build on their prior knowledge.

Enrichment opportunities are also an important part of day-to-day life in the Maths Department at JFC. We run a Maths Help Club which is available to all students along with specialised intervention sessions for Year 11. We offer many maths trips throughout the school year, with past visits to Disneyland Paris, Bletchley Park, Cadburys World as well as local universities. In addition, we enjoy celebrating important days in the international maths calendar such as Pi Day and World Maths Day, with students last year taking part in a competition to code a message which was displayed at the International Space Station.

The team have had a variety of different routes into teaching, meaning many of us have used maths in a non-school environment and are therefore able to draw upon this experience in our day-to-day lessons. We work exceptionally well together and meet regularly to discuss ideas and share resources effectively. We also value staff development within the department and many of the team are undertaking NPQ qualifications and/or training to become mastery specialists through our local Maths Hub.

LEARNING JOURNEY



Mathematics Learning Journey

