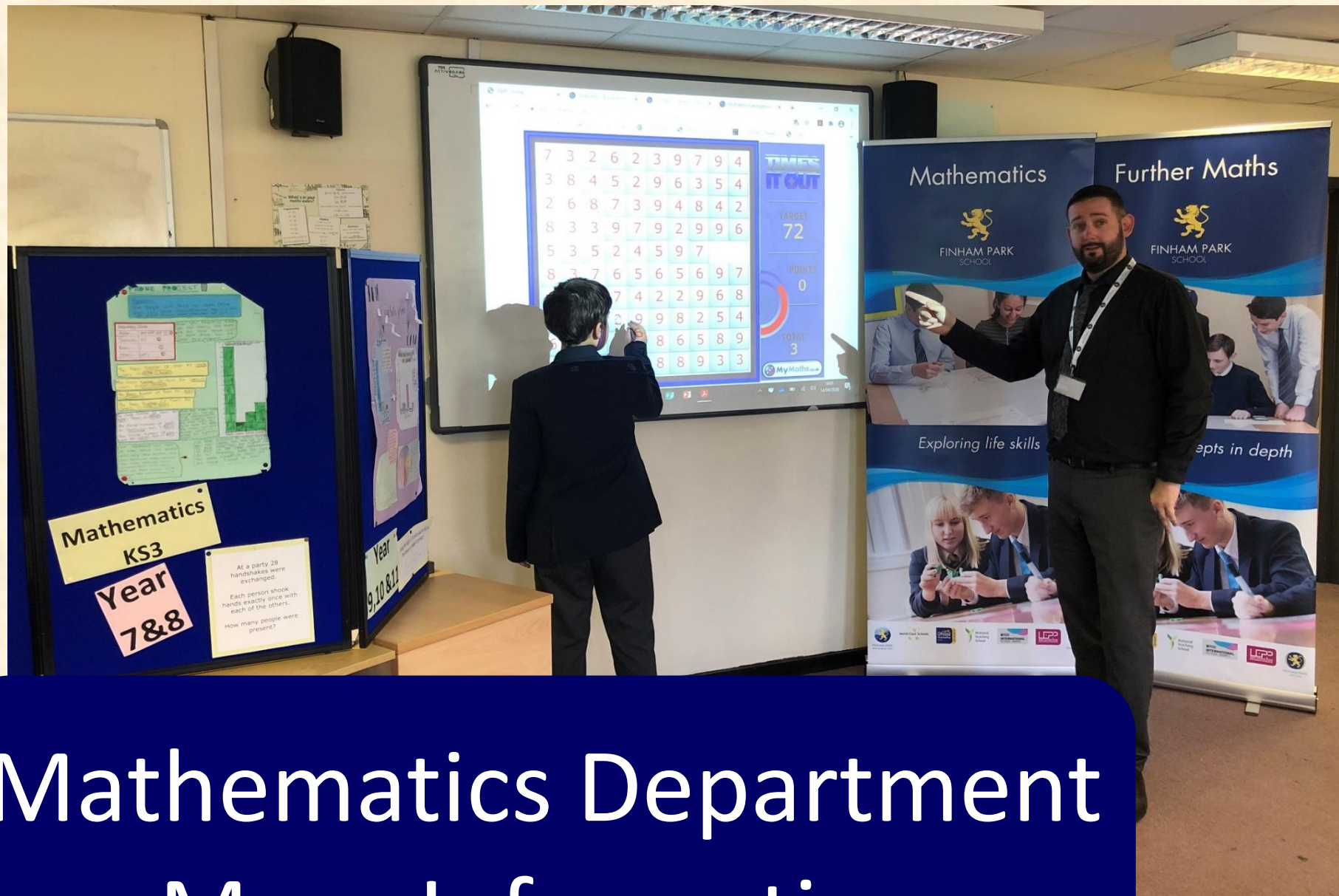




FINHAM PARK
SCHOOL



Mathematics Department
More Information



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Equipment

We expect students to have the following equipment for their maths lessons.

- Pen
- Pencil
- Ruler
- A protractor and compass where possible
- Rubber
- Pencil Sharpener
- Calculator – It is essential they have one every lesson or they will be disadvantaged as they must get used to how their own calculator works for each topic. Please note students will need to use a scientific calculator throughout GCSE years.





Key Stage 3

Key Stage 3 is taught in years 7 and 8, covering all topics within the Mathematics syllabus (Number, Ratio/Proportion, Shape & Geometry, Algebra and Statistics).

Throughout these years, students will build upon mathematical learning from Year 6, and be prepared for the learning that will take place at Key Stage 4.

Lessons include opportunities for challenge and support, as well as teach lifelong learning skills for numeracy.





Key Stage 4

Key Stage 4 is taught in years 9, 10 and 11 meaning students will study for the GCSE examinations throughout these years, and will sit the exams at the end of Year 11. As well as learning new material, students will revisit some material from earlier years as part of their GCSE course to support 'recall and retention' of key topics.





KS4 - Year 11 - Examinations:

- Edexcel GCSE Mathematics – 3 examinations at the end of Year 11. All exams are 1 hour 30 minutes in length. The first exam is Non-Calculator and the 2nd and 3rd are “Calculator Allowed” examinations.
- AQA Level 2 Further Mathematics Qualification – Two examinations (one non-calc. and one calculator allowed)





KS5 - Studying A Level Mathematics

Why Study Mathematics?

Mathematics A Level is highly regarded both by employers and universities. Mathematics is useful for all careers and university courses but will be particularly useful for courses such as psychology, geography, business studies and economics, and is vital if you are going to study a science or engineering at university. Although Mathematics is one of the more difficult subjects to study at A level, students find it to be very satisfying.

What Is Unique About This Subject?

Mathematics is useful in all areas of life but is also fascinating in its own right. Mathematics looks at some of the world's most intricate and exciting problems and at A Level you get the tools to approach them at a higher level. A Level Mathematics supplies students with logic and critical thinking skills and will be useful and exciting regardless of where it is taken.

Course Details

The specification is Pearson Edexcel Level 3 Advanced GCE in Mathematics (9MA0). All external exams will be sat at the end of Year 13. Calculators are allowed in all exams and a formula sheet will be provided.

Examination Information

- | | | | |
|-----------|--------------------------|-----------|-------------------|
| • Paper 1 | Pure Mathematics | 100 marks | Duration: 2 hours |
| • Paper 2 | Pure Mathematics | 100 marks | Duration: 2 hours |
| • Paper 2 | Statistics and Mechanics | 100 marks | Duration: 2 hours |





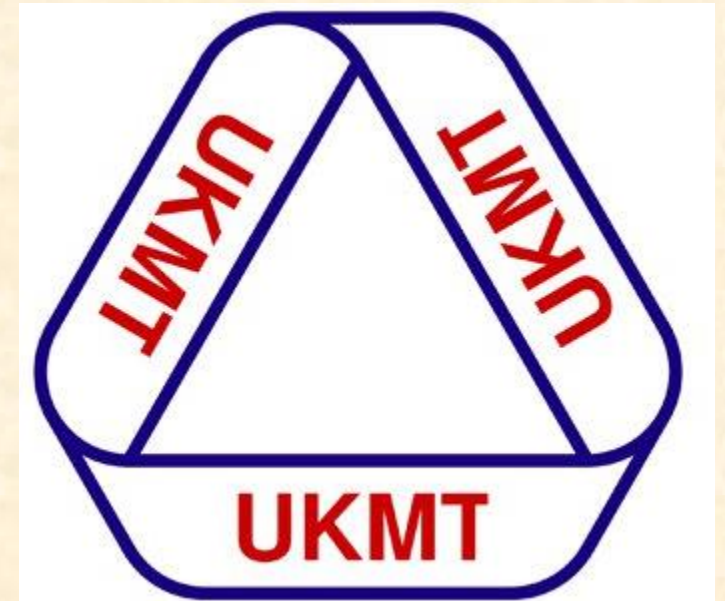
There are Opportunities take part in the Junior, Intermediate and Senior UKMT Maths Challenges

Many students get the opportunity to enter the national Maths challenges as hosted by the UKMT.

Junior Challenge – Years 7 and 8

Intermediate – Years 9, 10 and 11

Senior Challenge – Years 12 and 13





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There are Opportunities to go on Trips:

- Oxford University Mathematics Faculty
- University of Warwick
- FSMP regional challenges
- Bletchley Park – Cypher Challenge



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