

MATHEMATICS

Mathematics is not only fascinating, challenging & inspiring, it is also essential for most post-16 career paths. The Fitzharrys School Maths department's integral themes of diagnosis, planning and progress continue to be at the heart of everything we do. Our diagnostic testing system keeps your child's prior knowledge as the start and at the heart of our teaching, enabling us to ensure that all children are stretched and challenged in lessons.

KS3

Our Key Stage 3 students study all the content within the AQA foundation tier GCSE during Years 7 & 8:

1. Number operations
2. Place value, ordering and rounding
3. Equations, formulae, expressions and identities
4. Sequences, functions and graphs
5. Integers, powers and roots
6. Statistics
7. Fractions, decimals, percentages, ratio and proportion
8. Measures and Mensuration
9. Probability
10. Properties of shape and construction

At the end of Year 8, students take a foundation GCSE assessment which helps us to decide if they need to continue in Foundation tier at KS4 or move in to Higher tier.

KS4/GCSE

When students are in Key Stage 4, they specialise into higher or foundation tier. We study the AQA Maths specification. This course is assessed with 3 examinations at the end of Year 11, each lasting 1.5 hours, two of which students will need a calculator for.

We will check students' progress towards their GCSEs at several points in Years 10 and 11 with a full set of GCSE exams. We also track progress from the start to end of the 22- 28 Mathematical units which cover the course content.

For high-attaining students, we also offer a GCSE in Further Maths; the Further Maths GCSE content provides a head start for those planning to study A-Level Maths and A-Level Further Maths.

KS5/A Level

At Key Stage 5, we cover the OCR-A specification. Once again, our key values of diagnosis and testing are integral to the way that we teach our sixth form students. With a strict retake policy if students are under target, we ensure that no students are left behind.

We encourage parents and carers to sign up to view their child's progress and targets through regular emails following topic assessments. This informs parents and carers to help guide home study and maximise impact.

Extra-Curricular Opportunities

We will continue to provide extra opportunities in mathematics, for example, participation in the UK Maths Challenge and joint projects with Abingdon School. We will also support and boost numeracy, as well as a little friendly rivalry, as part of the Fitzfocus time Numeracy Ninjas house competition. Maths support for any student will continue to be on Thursday after schools. You can't spend too much time enjoying maths!