



Hall Park  
Academy

## MATHEMATICS AT HALL PARK ACADEMY

The mathematics faculty is a team of six highly motivated professionals working under a head of faculty. They enable students to maximise their potential by developing a deep understanding of mathematics through engaging, challenging, and enjoyable mathematics lessons. The faculty has a friendly and supportive atmosphere with teaching and learning at the centre of everything they do, and the staff are supported in developing their practice.

As part of the Redhill Academy Trust, we have formed excellent relationships with other Trust schools, which allows us to engage with CPD through the Redhill College of Leadership and Development.

### Key Stage 3

Students are taught in setted groups from Year 7 to provide increased levels of support for students with lower prior attainment whilst maintaining high standards and expectations of all students and the progress they can make. Students follow a three-year course during Key Stage 3 that is mapped to the National Curriculum and is tiered in a way to ensure that as many students as possible have the opportunity to study for the higher tier at GCSE level.

Students receive three hours of teaching per week in years 7 and 8 with this increasing to 4 hours per week during the transitional period of year 9 as they begin to tackle the hardest concepts and ideas of the curriculum.

### Key Stage 4

As in Key Stage 3 students are taught in setted groups that allow them to study the AQA Linear syllabus. Teachers follow their groups through Key Stage 4 where possible to provide consistency in these crucial years leading to their terminal examinations. A variety of highly structured and successful intervention programmes are also in place at Key Stage 4 to support the whole school priority of raising attainment and progress of students in English and maths.

The AQA Level 2 Further Maths qualification is also offered to our highest attaining students in year 11 to supplement their work for the GCSE qualification as well as preparing them for further study of mathematics at a higher level. Students receive four hours of teaching per week during years 10 and 11 to allow plenty of time to cover the course and provide revision for the terminal examinations.

### Key Stage 5

Our sixth form students currently follow the AQA syllabus, studying units in Core Mathematics, Statistics and Mechanics. We also offer Further Mathematics to appropriate students, studying units including Further Pure Mathematics, Mechanics and Discrete. Teaching at key stage 5 involves engaging and challenging activities that are used to interest and enthuse students as well as developing understanding and practicing the skills that are required. This is in





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conjunction with promoting independence and the rigor needed to be successful in post-16 mathematics.

Our order of learning for both A level Maths and Further Maths are designed in a way to ensure prior knowledge needed for Further Maths is taught well in advance to ensure students are ready to build on this and can succeed in the Further Maths qualification.

Students at all levels can access support with homework or with work from lessons through our weekly after-school drop-in session known as 'Maths Clinic'. This provides students with an informal environment where they can get help or complete extra work including problems for those students who are confident and enjoy extra enrichment. It has regularly been one of the best attended co-curricular activities at the school.

