

## The Mathematics Department

The Mathematics department is a cohesive and dynamic team which works collaboratively and supportively. We are a Maths Mastery partner school and are committed to creating a curriculum which inspires our learners and enhances mathematical understanding. We aim to ensure that mathematics is taught in a lively and interesting way and that students enjoy the subject.

As a team we are constantly trying to improve teaching and learning and enhance the experience of the students and believe that raising the profile of mathematics and increasing pupil enjoyment will lead to ever improving attainment and progress figures.

As a department we are constantly working on developing activities and questions to promote challenge and deeper thinking, with a greater emphasis on proportional reasoning, problem solving and justifying answers. Our lessons incorporate the Concrete Pictorial Abstract approach to deepen and reinforce students' conceptual understanding. We hold weekly planning meetings in which we discuss the key tasks and approaches to teaching and learning in order to empower and equip teachers to transform mathematics education for all learners.

All students will follow the AQA GCSE specification. We are continuing to adapt our schemes of work and assessments to ensure students are prepared for the challenge and rigour of the new curriculum.

The mathematics department at Parklands currently consists of ten full time maths teachers and is in the rare yet fortunate position of all colleagues being maths specialists.

Maths rooms are arranged with group work in mind. The department has a set of bookable iPads which are used in a variety of ways to aid learning. Various additional websites are used by the department, including Mathsbox, JustMaths and Mr Barton's websites, and we use Google Classroom to provide learning, homework and revision experiences and opportunities.

Over recent years attainment and progress at GCSE has improved significantly and is now above national average. We are a very dynamic and forward thinking department and are confident in our abilities to improve rates of progress further.