**Faculty of Mathematics**

**The Team**

Our Mathematics Faculty currently consists of 10 hard working professionals with a range of experience, who work extremely well together as a team.

James Myers Faculty Leader

Catherine Waters Assistant Faculty Leader

Lucy Ashton Teacher of Mathematics

Matthew Ford Teacher of Mathematics

Emily Gillanders Teacher of Mathematics

Ibraheem Hussain Teacher of Mathematics

Louise Jones Teacher of Mathematics

Laura Potts Teacher of Mathematics

Anne Sutton Teacher of Mathematics

Will Bridge KS2 Teacher of English and Mathematics

Navia Anwar Maths Intervention Mentor

The aims of the department are:

* to engage and inspire students to see Mathematics is a subject in its own right, and that there is a sense of awe and wonder to behold within its boundaries
* to ensure that each student on leaving school is numerate, has sufficient skills for the career of their choice, and will understand the Mathematics likely to be encountered in daily adult life.
* to ensure that every student, regardless of ability, reaches his/her full potential.

**Classes**

**Years 7 - 11**

We have approximately 200 students in each year group. The students are grouped according to ability across 8 sets in 2 separate bands.

In years 10 and 11 there is a small group of students who receive 3 extra sessions a fortnight for additional support.

We currently have 9 classrooms, 6 of which are equipped with CTouch interactive touchscreens and the rest are equipped with projector and Promethean interactive whiteboard. There is a class set of chromebooks in the department which are bookable to enhance the learning of students within lesson time. We have various IT packages available to the students; these include SPARX, Mathspad and Geogebra.

**Extra-Curricular**

The Mathematics department aims to promote a love of mathematics. In all key stages, we enter students into individual and team challenges and work closely with the local primary schools. We have a maths club run after school. We encourage peer support within the subject and have groups of students who support other students during and after school. We also regularly run a Maths trip to London, which encompasses several Maths based activities.

**Teaching and Learning**

In Mathematics we are keen to adopt a practical approach to teaching, enabling the students to have a greater mastery of each topic. The aim has been to encourage independent learning and problem solving skills in the classroom and we are confident this will assist pupils in achieving their full potential. We meet regularly to plan and share ideas regarding teaching and learning.

Currently, our KS3 students follow the White Rose Maths scheme of work while KS4 follow one of 4 pathways. As the year groups progress so will the SOW so that in a couple of years all students will be following White Rose. The curriculum is designed to make sure that it is delivered at the most appropriate and ambitious level for all students. The curriculum is split up into topics where the essential learning objectives are assessed. All staff use this information to adjust their teaching where necessary as soon as possible. We currently use Sparx for our weekly homework for all year groups.

Currently, in KS4 students take the AQA GCSE. We approximately have a 50/50 split for higher and foundation students. In addition to this the top set sit the level 2 Further Maths qualification, which has proved very successful.

The Mathematics Department is a very strong, close-knit and successful team. We are looking for a new professional to add their talent and enthusiasm to the department.