



The Mathematics Faculty

Resources

The Faculty is very well resourced and has its own dedicated suite of ten rooms on a single corridor, with three of the rooms equipped with 30 networked PCs each, all having a wide range of generic and subject specific software and high speed Internet connection.

All classrooms in the mathematics suite have digital projectors, interactive white boards and visualisers which can be linked to teachers' lap-tops for effective lesson delivery. All teachers have a laptop computer with a wireless network connection and there is access to the internet in every classroom. In addition, there is a Mathematics Planning Preparation and Assessment Room which is the staff base within the Mathematics suite.

Faculty Results

The 2016 results have followed several years of excellent results on an upward trend. We consistently achieve results which are above national average. At A*-C we achieved 73%. We are very proud that we are above national average at 3LP and 4LP and have a very strong progress 8 score. Within our results there are no significant educational gaps between groups such as disadvantaged and not disadvantaged, boys and girls.

Student Grouping

Students are initially grouped on arrival in Year 7 based on Key Stage 2 results and our own internal testing. They are then divided into two sides of equal ability each of these sides having 5 sets based on ability. There are currently ten groups in each of Year 7 and 8 (KS3).

In the school KS4 begins at the start of year 9. At KS4 students are regrouped into two cohorts based on ability called the Torch (Higher) and Flame (Intermediate) routes. There are thirteen sets in each of years 9, 10 and 11 (KS4 average class size of 22).

Student progress is assessed and moderated regularly and is carefully monitored: there is appropriate movement between sets.

There is timetable blocking so the Faculty can, to a considerable extent, decide its own setting.

Lesson Length and Frequency

All lessons are of one-hour duration and all students currently receive seven lessons each fortnight of mathematics at KS3 and four lessons per week at KS4.

Programmes of Study

The Faculty has an extensive supply of resources, calculators, graphical calculators, and general mathematical material. There are large quantities of ICT resources available on our intranet and also an extensive collection of worksheets and past examination papers at both Key Stages.

In both Key Stage 3 and 4 there are differentiated schemes of learning. We also have a Virtual Teaching and Learning Environment (VTLE). This allows students access to all lesson materials and extra practice as well, in addition to staff integrating this facility within their teaching.

Key Stage 3

The school operates a two year KS3 that runs through years 7 and 8. A scheme of learning, differentiated for all abilities, is used throughout KS3. All students have three lessons per week and every class has a weekly lesson based in an ICT suite.

Key Stage 4

The school operates a three year KS4 that runs through years 9 to 11. At key stage 4 all students study for either the Edexcel GCSE; students currently take an early entry exam in June of year 10 with a final exam entry in June of year 11. Students have access to a wide range of resources, including both paper and electronic based materials.

Staffing

The Faculty is led by an experienced leadership team with Head of Mathematics, a KS3 coordinator, KS4 coordinator, an Advanced Skills teacher and a Lead Practitioner. We also have six excellent main pay/upper pay scale teachers.

Ofsted

The school was judged by OFSTED to be Outstanding in every category in November 2015. Within the inspection, the Maths Faculty received lot of positive feedback

Ofsted Quotes

"Pupils in all year groups make rapid progress including in English and mathematics."

"A large proportion of pupils make greater progress than that which is expected of them in English and in mathematics."

Anyone appointed to the Mathematics Faculty is joining a successful and effective group of professionals dedicated to high student achievement and personal excellence.

This is an exciting time to join us as we aim to achieve outstanding results by outstanding teaching. We are committed to seek out the best practice out there and bring it to our students to help them learn Mathematics. As a Faculty we are committed to helping all of our teachers develop and improve their practice, our collaborative nature ensures we have an ethos of constant improvement in our daily practice.