

MATHEMATICS DEPARTMENT

Introduction

The Mathematics Department comprises a strong and committed team of subject experts who work and plan collaboratively. It has supported students consistently over the years to achieve well above national average in GCSE and A level maths results.

The Mathematics Department is one of the strongest departments in the school with an average P8 score of +0.22 over the last 4 years. Value added scores at A level in maths and further maths as judged by ALPS are consistently very good. In 2019 A level maths results were in the top 10% of the country.

Staff and Accommodation

The department consists of 12 mathematics teachers, all specialists, with a blend of experienced teachers and those nearer the start of their careers. We currently allow some staff time to provide additional intervention for targeted students in Years 7, 8 and 9, helping raise their levels of attainment. Teachers have high expectations and work well together to create an atmosphere in which all students can fulfil their potential.

The department is currently organised with a Leader of Learning for Maths, 2nd in Department and 2 key stage leaders. Members of the department also hold roles for KS2/3 transition and running challenge and enrichment weeks.

Members of staff teach across the age and ability range. We have specialist rooms, all with interactive whiteboards and 2 offices with resources and work space. There is ample access to ICT suites and laptops with most classes having access to this for one lesson every one to two weeks.

Curriculum

We keep up to date with the latest research and theory, implementing it where appropriate. Key Stage 3 has been updated to reflect the removal of KS3 levels, the influence of Shanghai style maths teaching and mastery. At Key Stage 4 students learn in broad ability sets with the majority following the higher tier scheme of work. Our exam board for the GCSE specification is AQA. We also extend the highest attaining by offering the Further Maths GCSE.

At Key Stage 5 students follow a two-year A level, with both maths and further maths offered as well as core maths. Mathematics is one of the most popular subjects at A level and is a very successful choice in the Sixth Form.

Extra-curricular

Teachers often offer extra support to exam classes in the final term of the school year. This is completely voluntary and the sessions are widely supported in the department and well attended. Liaison with primary schools is very strong and we have student leaders who return to their former primary school to tutor the current Year 6 students. This has been well received by the primary schools and really helps with those students attending in Year 7.

We also have strong student leadership in the school with Sixth Formers helping Year 11 students and Year 9 students mentoring Year 7 students.

The department regularly enters students in the UK Mathematics Challenges at all levels and takes part in the West Sussex Mathematics competitions.

CPD opportunities are extensive for members of the department, with teachers attending various courses throughout the year to enhance their professional development. Collaboration within the team after a course is encouraged and department meetings are focussed on improving teaching and learning.

The maths department at Imberhorne is a great place to work. It is a very stable department with a very friendly group of professionals. We hope we can meet you soon.