**Mathematics Department**

**Information for Applicants**

**Faculty Organisation & Facilities**

There are currently eleven teachers in the Mathematics faculty, a friendly and supportive team who enjoy working with our students and are popular in the school for promoting the subject. Our classrooms are all equipped with SMART interactive whiteboards, including a dedicated computer and projector. The department is well resourced with a mixture of electronic resources including My Maths, textbook and worksheet resources to cover all three Key Stages.

**Curriculum**

With the current changes in GCSE content, we are in the process of adapting our method of teaching in Key Stage 3 and 4. We are using more problem solving and worded questions, in line with the new GCSE type problems and are using the five year Edexcel scheme of work. Taking the changes into account, we have invested in resources for Key stage 3 and 4, to support pupils in accessing the new style questions as well as providing more practice.

For Key stage 5 we follow the Edexcel AS/A2 Syllabus with students sitting Pure 1 with applied Mechanics and Statistics in Year 12, and Pure 2 in Year 13. We also offer Further Mathematics to higher achieving students using teacher’s specialty strengths to deliver the course. Following its popularity, our students’ numbers at A level have increased recently so that we now have 2 classes in A level, and a class of 5 students taking Further Mathematics this year.

**Additional Provision**

We participate and organise activities designed for the Extension and Enrichment of Mathematics such as: The Junior, Intermediate and Senior Mathematics Challenge; Year 7 ‘Mathemagicians’ and Games club for Key Stage 3 and Key Stage 4.

We are involved with PiXL and find that the opportunities to network with other schools, share ideas and gather resources are most useful. Our link with other West London schools enables us to share good practice via the Pearson collaborative network.

We look forward to welcoming you to the mathematics team here at Harlington.