



Teacher of Mathematics from September 2022

MATHEMATICS TEACHER from September 2022
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We are looking for an enthusiastic, well qualified Teacher to join the Mathematics Department at Box Hill School, applications from Newly Qualified Teachers are welcome. A willingness to be involved in the extensive extra-curricular life at this busy boarding and day school is encouraged.

The Department

The Mathematics Department consists of five full time staff including the HOD, and three part-timers. The successful candidate will be expected to teach a varied timetable up to and including IB Standard Level or A level Mathematics. To assist with the management of the subject there is currently a Key Stage 4 coordinator and a Key Stage 3 coordinator. All members of the department teach a range of abilities and ages and the Mathematics department also provides the Mathematics teaching for the International Study Centre on site and liaises closely with the Learning Support Department, where there is specialist Mathematics provision. We accept a comprehensive intake from a variety of mathematical backgrounds and nationalities, so the early days are spent consolidating ideas already encountered and bringing students up to common standards. From the outset pupils are taught in small ability sets (maximum of 22 in a group) and movement between sets can occur at any time during the year as students make progress.

At Key Stage 3 the new Hodder Mastering Mathematics Boost scheme is followed. Investigational work is encouraged, but there is great emphasis on ensuring that number skills are sound. At Key Stage 4 most sets follow the Pearson Edexcel IGCSE (9-1) textbook series. At the end of Year 11, students take the Edexcel IGCSE examination at either the Foundation or Higher level. Our top year 11 set take their IGCSE alongside the AQA Certificate in Further Mathematics at the end of year 11.

Mathematics is a compulsory subject, if a student is taking the International Baccalaureate Diploma programme in the Sixth Form. On this programme, students have the option of 2 courses. Students with an interest in Mathematics and with at least a level 6 grade at IGCSE (or equivalent) can choose the Standard Level Analysis and Approaches course. The Standard Level Applications and Interpretation course caters for students who are looking to pursue a subject at university that has little or no mathematical element. We also offer the Higher Level Analysis and Approaches course. All students need to be able to use graphical calculators within the IB DP Mathematics programmes. Staff and students make use of Kognity, the interactive digital resource, which supports IB diploma subjects.

We have been teaching Mathematics A level as well as the Diploma programme for some years now and ideally applicants will be able to offer A level as well as Further Mathematics A level. We follow the Edexcel scheme for both the A level and Further Mathematics. Teachers and students use the Pearson Active Learn digital service as well as hard copy textbooks. The A level programme is available to those students who are stronger at mathematics, ideally achieving a level 7 or better.

Throughout all these programmes, the use of ICT is encouraged. All of the Mathematics rooms possess computer facilities, data projectors and interactive whiteboards. In addition, entire groups can be booked into specialist computer rooms for lessons. Geogebra software plus many other computer packages and apps are regularly used in the department. Many students possess their own laptops.

The Person

Qualifications, skills and experience:

The successful person will have:

- A good honours degree and a recognised teaching qualification (eg a PGCE)
- Good IT skills
- The ability to work with a range of staff groups at all levels
- A Mathematician who can confidently teach Mathematics at IGCSE through to IB Diploma Standard or A-Level

Personal qualities

The successful person will have:

- A very good sense of humour

- Good inter-personal skills
 - An ability to work very hard, resilience
 - Enthusiasm that inspires others
 - Excellent communication skills
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