



**The Staff and Accommodation**

The Maths department consists of thirteen specialist mathematicians. All colleagues teach across the age and ability range. All teachers are able to teach from Key Stage 3 to Key Stage 5. The department has ten brand new teaching rooms and a large departmental office, all situated in our state of the art multi-million pound school building.

#### Resources

Each classroom is equipped with a brand new interactive whiteboard. All pupils in Years 7 to 13 bring Chromebooks to lessons. The department subscribes to Sparx Maths for homework, along with teaching resource sites such as Maths Box. We are also well resourced with textbooks, manipulatives and other teaching aides. We are a forward thinking department and always looking at ways to develop our practice and seek to make mathematics teaching as effective and engaging as possible. We are a friendly, mutually supportive team.

# **Key Stage 3**

In Key Stage 3 pupils are taught in a mixture of mixed ability and streamed groups; pupils are taught in form groups in Year 7 and then streaming begins in Year 8 and is reviewed continually. By the end of year 9, students are taught in setted groups.

Pupils follow a bespoke KS3 scheme of work which is reviewed and adapted as required for each cohort. Pupils are assessed regularly and progress is monitored in line with the wider school policy. Students complete homework on Sparx Maths and all students bring their Chromebook to lessons.

# **Key Stage 4**

Results are consistently high at Key Stage 4:

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| --- | --- | --- | --- | --- | --- | --- |
| KS4 Results | 2024 | 2023 | 2022 | 2021 | 2019 | 2020 |
| % 9-4 Maths | 85 | 86 | 82 | 87 | 86 | 86 |
| % 9-5 Maths | 75 | 66 | 67 | 73 | 68 | 66 |
| % 9-7 Maths | 36 | 28 | 35 | 41 | 30 | 33 |

Setting from year 9 is reviewed and refined throughout Year 10 and Year 11. All pupils follow the Edexcel Linear syllabus at either higher or foundation tier.

Top set students get the opportunity to sit an extension qualification, which is currently the AQA Certificate of Further Mathematics. We continually review our provision across the cohort and students have previously sat Edexcel Awards and Statistics GCSEs.

**Key Stage 5**

At A-level, Mathematics is a popular subject in the school with approximately 50 students choosing to study Maths each year. Historically, over half of pupils achieve an A\* or A grade at A-Level. We currently follow the Edexcel A-Level Syllabus.

Further Mathematics is also taught to an increasing number of students in Year 12 and 13. 97% have achieved grades A\* or A over the last 4 years. Students frequently choose to take Mathematics or Mathematics related subjects at university.

**Extra-curricular Activities**

Each year, we enter the top attaining pupils for the UK Mathematics Challenges and team challenges. Pupils from the school regularly obtain Gold, Silver or Bronze Certificates and in recent years, pupils from the school have been invited to perform in Invitational Mathematics Challenges as a result of their high performance.

Pupils participate in the Hertfordshire Maths Masterclasses and groups have taken part in the UKMT Regional Team Challenge, with our Year 7 team winning the regional event in recent years. We have one student who is being mentored through the UKMT mentoring programme who regularly achieves Olympiad prizes for exceptional performance.

We run extra-curricular clubs which vary from chess club, to drop-in help clinics, to maths challenge groups aimed at engaging and challenging our brightest students. We also run regular revision for KS4 classes and supervised study sessions for KS5 students.

**Induction, Support & Continuing Development**

The school offers a full and effective induction and support programme to new and experienced teachers. We have a history of supporting NQT/ECTs through their induction period and many of these colleagues have gone on to hold responsibility positions in a short period of time. A-Level teaching support is available through the Advanced Mathematics Support Programme with teachers recently taking the Teaching Advanced Mathematics course to support their subject knowledge and pedagogy at A-Level.

Mathematics teachers are frequent attendees at the school’s teaching and learning group. Many teachers within the department have completed Teacher Led Development Work portfolios and several have studied for masters qualifications in mathematics or wider educational areas.

Leadership within the department is distributed and all colleagues have opportunities to attend development courses, networking events and disseminate this information back to the rest of the team through department meetings.

**Letter of Application**

In the letter of application, which should not exceed two sides of A4, candidates should, amongst other things, describe their approach to the teaching of Mathematics.