



# Birchwood High School

# Mathematics Faculty

## Staff

We currently have eleven staff in the department who work extremely well together, constantly sharing ideas and resources. Our aim is to constantly reflect upon our practice and strive for even greater success, developing ourselves as well as our students.



## The Mathematics Curriculum

The Key Stage 3 course (Years 7 and 8) caters for all students, with immediate setting from day one, to maximise progress. Students receive six hours of teaching per fortnight.

The Key Stage 4 course (Years 9, 10 and 11) follows the two-tier linear syllabus from Edexcel. There are five parallel groups, set 1 and 2, who follow the new Higher course. Sets 3 to 5 follow the new Foundation course. Students receive eight hours of teaching per fortnight.

### GCSE

Statistics is a popular option, and they receive 2½ hours per week.

At Key Stage 5, Maths is a very popular option, with multiple groups in year 12. Further Maths is a popular option for those with an aptitude for the subject. For each course, there are eight periods of A level Maths per fortnight. For those who have a real aptitude for the subject, the AEA and STEP papers are taken.



## Maths Results

At Key Stage 4, GCSE Maths, 81% achieved Grade 4+ GCSE Statistics 100% A\*-C for the eighth consecutive year.

At Key Stage 5, A2 62% achieved A\*-B and Further Maths achieved 100% A\*-A.

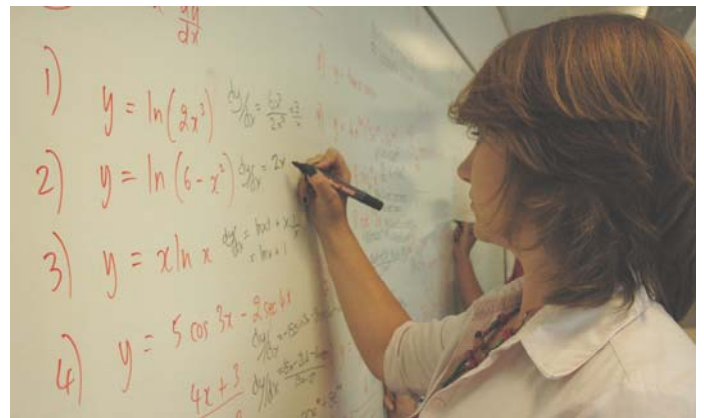
Last year we had eight students embarking on a Degree course in Mathematics, and a total of 61 students during the past eleven years.

Five national awards from the Good Schools Guide in the past eight years.

What OfSTED said about us from their 2015 report:

Overall achievement in mathematics at Key Stage 4 is very high and significantly better than national averages

Sixth form attainment was significantly higher than national averages in mathematics



## Extra-Curricular Events

Disney Land Paris trips

Institute of Education trips- Maths in Action

Heathrow trips

Storm Aviation at Stansted Airport

Aerozone trip at Stansted Airport

Women in Maths day at Oxford University

Back to School Maths-for parents

House of Commons trips

Royal Institution Mathematics Masterclasses at The University of Hertfordshire

In-house Easter Revision sessions for KS4/5

Mathematical Degree taster courses for the Sixth Form and then for the staff, there's the Maths curry evenings ...