**Maths at Turton**

The Mathematics Department’s vision is to foster a curiosity, appreciation and confident application of mathematics in all students through teachers who are knowledgeable and passionate about their subject. Our teachers have the highest expectations of themselves and our students, they model hard work and excellence in everything they do. We want our students to become adults who have qualifications which reflect their potential, who are mathematically fluent, able to solve problems in a logical and considered manner and who are not afraid to share their inner geek with the world.

The Maths department is staffed by a team of sixteen teachers who have a wide range of experience. The Head of Department is supported by a Second in Maths and a Lead Practitioner. There is strong subject expertise within the department, and mathematical knowledge, with its associated pedagogy, is at the heart of everything we do. The team is very collegiate and open to ideas and all are focussed on being expert practitioners.

We pride ourselves on providing a highly academic curriculum that challenges students at all levels to be the best mathematician they are capable of becoming. Our well structured mathematics curriculum has been set up to allow all students to become fluent in the fundamentals of mathematics through varied and frequent practice on increasingly complex problems. This allows pupils to recall and apply their knowledge rapidly and accurately to problems, reason mathematically and develop arguments using well defined mathematical language. For our teachers pace is not about the superficial coverage of a wide content but the development of deep understanding through challenge, practice and the application. Our students at Key Stage 3 are taught in matched progression groups for 3 hours per week. Our GCSE programme of study starts in January of year 9 where we follow the AQA GCSE Maths specification. Students have Maths 4 hours per week in year 9, 10 and 11. The department also has a strong presence in our Sixth Form with a good number of students studying Maths A level in years 12 and 13 and some doing Further Maths too. All A level students have 5 hours per week for each subject.

The school’s Senior Leadership Team are incredibly supportive of the department and are continually looking foster its development towards a locally and nationally recognised hub of excellence.