

MATHEMATICS FACULTY

Key Stage 3:

- As a school with a subject specialism in Mathematics, we offer Enrichment events for each of years 7, 8 and 9, where teams of our Able, Gifted and Talented mathematicians compete against teams from other schools in the county. Sessions have included 'Constructing an Olympic Stadium', 'Chaos and the Lottery' and the 'Wiltshire Team Challenge';
- 60 year 8s and 10 year 7s students sit the individual Junior 'UKMT Mathematics Challenge' for Able Gifted and Talented mathematicians;
- A team of 2 year 8 and 2 year 9 students compete in the 'UKMT Mathematics TEAM Challenge';
- At the end of Key Stage 3 Able mathematicians, along with those whose effort has been both excellent and consistent over the year, are invited on the 'Year 9 Maths Reward Trip' to Thorpe Park. Where, along with enjoying the rides, students experience the 'Maths in Action' Session.

Key Stage 4:

- Lecturers from Universities visit to deliver an enrichment session to our Able mathematicians (and those from nearby schools) and consider the question "Why take A-Level Maths?" This is scheduled prior to students making decisions concerning their A-Level options;
- 70 year 10s students sit the individual Intermediate 'UKMT Mathematics Challenge' for Able Gifted and Talented mathematicians. For each of the past 3 years the top scoring student, has achieved exceptionally highly to qualify for the next 'International' stage;
- Three teams, each made up of 2 year 10s and 2 year 11s take place in the Mid-Wiltshire Mathematics Team Challenge. This was held for the first time in the academic year 2011-12, when one team qualified for the South West Final at Exeter University. They ended up coming 8th out of over 150 schools.

Key Stage 5:

- 30 year 12 and 13 students sit the individual Senior 'UKMT Mathematics Challenge' for Able Gifted and Talented mathematicians;
- A team of 2 year 12 and 2 year 13 students compete in the 'UKMT Mathematics Senior TEAM Challenge';
- Each year, 15 year 12 students attend the Mathematics Enrichment day at Bath University.
- In addition to having the option to study A-Level Mathematics and A-Level Further Mathematics. Students are also able to take the 'Advanced Extension Award' and/or the 'STEP' examination when appropriate or required by University applications;

- Students considering a degree in mathematics or a related discipline are encouraged to apply for a place on the sought after Mathematics Enrichment course ('Chaos or Clear Cut') held at Villier's Park, Cambridge, and are supported in this.