

Year 7 Mathematics builds on the objectives and concepts learnt in Year 6. Students are put into 4 ability sets within two populations based on the written test done in the summer term of Year 6. Their progress is carefully monitored through short and formal assessments over the year. Movement between sets is based on these and teacher assessment and is normally done at the end of each term.

The year 7 curriculum is based on the new GCSE curriculum. Work in each set will be differentiated to meet the needs of every student with extension tasks for the most able. Functional tasks and enrichment activities – investigations, puzzles and extension tasks- are an integral part of the curriculum.

All classrooms have interactive whiteboards and use interactive software and paired/grouped activities to explore challenging tasks and work collaboratively.

Key Stage 4

All students study the Edexcel linear specifications. Results at KS4 in the summer 2015 exams were again way above the national average for girls with 71% of students getting A* to C grades and 15% getting A/A* grades. Top set students were entered for the AQA Further Maths GCSE qualification with 100% getting grades A* to C

Key Stage 5

We follow the GCE Edexcel A level Maths and Further Maths specifications. Students study Statistics and/or Mechanics as the 3rd option. Classes are held in the joint sixth form at both Ricards Lodge and Rutlish. 65% of the RR6 students got grades A* to C in the summer A level maths exam.

Gifted and Talented: In Years 8 and 11, we enter our most able students for the UK Junior and Intermediate Maths Challenges. In Year 9, students are encouraged to attend the maths master classes run by the Royal Society of Mathematicians in London. Year 10 students regularly attend maths enrichment workshops run by the Further Maths Support Network in Kingston.

For the **less able students**, in Years 7-11, the lowest set has smaller class size with extra support, if necessary. Work is pitched at the appropriate level with emphasis on learning basic numerical skills in lower years in order to develop students' confidence. Students are entered for the Foundation Tier of the GCSE exams.

All students are encouraged to use **web resources** like 'Sam learning', 'Nrich', 'BBC bitesize', 'e-maths' etc to improve their learning. The department uses '**Mymaths**' for teaching and learning with every student having their own unique user id and password. We find that students enjoy working independently with interactive resources and consistent practice at home can significantly improve performance and confidence in mathematics at all levels. The school will be using FROG (the school VLE) to set homework and communicate with students and parents from this year.