



Mathematics Curriculum Key Information

Subject	Mathematics
Exam Board Followed at KS4	OCR
Final Assessment Method at KS4	3 Papers for both higher and foundation. Two Calculator and One non-Calculator paper totalling 300 marks. No coursework. Grades Limited to a maximum of grade 5 for Foundation
What are the core concepts in this subject?	• Algebra • Ratio and Proportion • Number • Geometry • Data Handling
How is the curriculum in this subject designed to allow pupils to know more, remember more and do more over time?	The material is taught in depth to embed core mathematical concepts. Initially less content is covered however in future years there is less of a need to repeat topics as students have 'mastered' them. Intervention opportunities are built into the timetabling of the department to fully support the students in their learning. Part of the curriculum is based around communicating mathematically. Students are regularly asked to correct a mistake which is designed to draw out misconceptions. During student feedback questions are selected due to misconceptions. Teachers design 'Do Now' questions that incorporate retrieval practise.
How does the curriculum in this subject area prepare students to develop skills for life and prepare them for the world of work?	Students are taught to be able to communicate mathematically; part of their lesson will be spent discussing misconceptions. Students will work in pairs or small groups to solve problems and learn team working skills. Financial literacy is a theme throughout mathematical studies with time spent on personal finance. Studying algebra is a useful process to develop logical thinking. Students are taught about data and how its use can be manipulated.
Where can parents and carers find out more?	Our homework platform Sparx maths will regularly communicate the parents and carers outcomes for homework completion and areas of difficulty. Your child also has access to the Loreto Learning Portal via RUnify which includes our homework platform with videos to support out of classroom learning