

Mathematics

Full Course Name: AQA GCSE Mathematics (8300)

Exam Board: AQA

Exam Board Website: <https://www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8300>

Course Description and Overview: The course teaches students to develop their range of mathematical skills and develop techniques in order to solve problems in mathematics. Covering Number, Algebra, Geometry and Statistics, the GCSE Mathematics course will provide students with the skills and knowledge required for life and the next stage of learning. All content can be assessed on any of the three question papers. As such, some questions will draw together elements of maths from different topic areas.

Assessment Structure:

- GCSE Mathematics has 2 tiers: Foundation and Higher.
- Three examinations (worth 80 Marks each - 33.3%) to take place at the end of the year 11.
- Foundation Tier – grades 1-5.
- Higher Tier - grades 4-9.
- At both tiers there will be three papers each 1hr 30 mins in duration (Only one paper is non-calculator).

How will this course develop communication? Students will need to express themselves within lessons in a variety of ways such as recording data or with verbal and written feedback to demonstrate what they have learnt and identify areas for development. Teachers will also offer advice with exam feedback so students can act upon and redraft work to show they have understood topics covered. Students will become numeracy literate and understand mathematical language at all levels.

How will this course develop character? Mathematics standards have risen since the introduction of the new specification. The challenges ahead will make students more resilient to problem solve and face challenges head on. Students will be able to offer solutions and draw out what questions are asking. Perseverance and persistence will be developed throughout the course and students will become motivated, self-controlled and disciplined to work hard to achieve in Mathematics.

How will this course make my child smile? Mathematics offers students opportunities to experience real life maths. This includes seeing designs of buildings, engineering in action, manufacturing of vehicles and use of robots/drones. Success breeds confidence and students should feel confident in themselves and be happy with why we study maths. With a dedicated staff, students should feel confident in the challenges they face and embrace mathematics as they see where maths is used in everyday life.

Contact Information of Course Leader: Mrs Farah - Head of Maths