

Mathematics

Study Mathematics if: You enjoy GCSE Mathematics and you find problem solving challenging. You want to apply Mathematics to real life problems. You want to develop your abilities to reason logically. You want a subject that supports your other choices. Mathematics is important in all fields of industry and commerce so further study allows you to prepare for a range of careers. Mathematics is also an extremely important element in many degree courses and without it, further study of most sciences and engineering becomes very difficult.



Entry Requirements: GCSE Mathematics at grade 6 or above



Case Study - Aidan Baldasera

Since I joined St Roberts, I feel I've been supported greatly by teachers to help me fulfil my potential. The teachers show real enthusiasm for the subject which brings the best out in the students.

Mathematics is a brilliant subject to help you think outside of the box. My problem solving skills have excelled since starting A-Level Mathematics, which is an important skill to have to apply to any real life situation.

In the future, I would like to become a chemical engineer, mathematics is essential for this.

What will you be learning?

Developing and understanding of Mathematics and Mathematical processes. Develop abilities to reason logically and recognise incorrect reasoning, to generalise and to construct Mathematical proofs. Extend your range of Mathematical skills and techniques and use them in more difficult unstructured problems. Develop an awareness of the relevance of Mathematics to other fields of study.

How will you be assessed?

Year 12

2 Written Examinations

Paper 1 – Pure Mathematics and Mechanics

Paper 2 – Pure Mathematics and Statistics

Year 13

3 written Examinations

Paper 1 – Pure Mathematics

Paper 2 – Pure Mathematics and Mechanics

Paper 3 – Pure Mathematics and Statistics

How will I be taught?

You will be encouraged to work independently as well as participating in group work and traditional teaching.

What skills will I develop?

Learning mathematical skills involves learning to solve increasingly complicated problems. The course allows you to develop problem solving skills, logical reasoning, numerical abilities, mathematical confidence and communication skills that will help you in a rapidly changing world.