



# PRINCE WILLIAM SCHOOL

## Level 3 Core Mathematics

### Overview:

Core Mathematics is a new course which helps to develop students' mathematical skills and thinking, and supports courses such as A-level Psychology, Sciences, and Geography as well as technical and vocational qualifications. This specification is designed to be taken over two years with all assessments taken at the end of the course. There are two papers of 60 marks each, 90 minutes in length. Calculators are allowed for both papers.

### Expectations:

The objectives of the course are as follows:

Objective 1: Deepen competence in the selection and use of mathematical methods and techniques.

Objective 2: Develop confidence in representing and analysing authentic situations mathematically and in applying mathematics to address related questions and issues.

Objective 3: Build skills in mathematical thinking, reasoning and communication.

In order to achieve these objectives, students need to be prepared to be challenged to work independently and to try various techniques in authentic situations.

### Extra-Curricular Activities / Independent Learning Opportunities:

Opportunities to apply their learning to their other A-level subjects or research projects.

### Career Pathways:

Core maths is for students who need to be equipped for the mathematical and quantitative demands of other courses and employment, but it is also particularly relevant for those who need these skills to meet the demands of a range of courses in higher education. In fact, over 40 universities this year made a statement in support of the course, and it was publicly endorsed by the Russell Group of research-intensive universities.

### Student Testimonials:

"Core Maths helped me to step up slightly from GCSE but not in a way like A Level mathematics which would have gone completely in another direction."

"I think for students who still want to continue with some form of maths but who might be put off by A level maths, I think it's definitely an option for them. It's quite good to have the option of a different maths from standard A level maths. I'd definitely recommend for someone who wanted to continue with the study of maths to take it."