



# A-Level Mathematics

## Welcome!

A very warm welcome to The Crossley Heath School Sixth Form, and an especially enthusiastic welcome to all of you who have chosen to study A-level Mathematics.

You've made a fantastic decision. Mathematics is not only a subject of beauty, logic, and problem-solving—it's a subject that opens doors. By choosing Maths, you're giving yourself a strong foundation for a wide range of exciting futures. Whether you're aiming for a career in engineering, economics, medicine, data science, architecture, law, computing, finance, or research, A-level Mathematics will give you the tools to think critically, analyse rigorously, and solve real-world problems with confidence.

We're genuinely excited to have you with us on this journey. Our department is passionate about Mathematics and even more passionate about helping each of you discover your own strengths and potential. We know that A-level Maths can be challenging, but we're here every step of the way to support you, guide you, and help you thrive.

This is more than just a subject—it's a gateway to opportunity. We're so proud to be part of the next stage of your academic and personal growth, and we can't wait to see what you'll achieve.

Here's to a brilliant start and an even brighter future!

*The Mathematics Department*

**Exam Board and Specification:** Pearson Edexcel A-level Mathematics (9MA0)

**Link to Specification:**

<https://qualifications.pearson.com/content/dam/pdf/A%20Level/Mathematics/2017/specification-and-sample-assesment/a-level-l3-mathematics-specification-issue4.pdf>



# Bridging *work*

*Try out all the following exercises...*

*Click on each one to take you to the required sheet*

*Complete all your work on paper to hand in*

*Task 1: Simplifying - Indices*

*Task 2: Expanding Multiple Brackets*

*Task 3: Factorising Expressions*

*Task 4: Rearranging Equations*

*Task 5: Completing the Square*

*Task 6: Rearranging Fractions*

*Task 7: Solving Quadratic Equations*

*Task 8: Solving Other Equations*

*Task 9: Sketching Quadratics*