

Preparing for A-Level Mathematics

In order to be successful with A-Level Mathematics, you will need to ensure that you start the year equipped with the correct mentality and the correct skills.

Here are the basic algebraic skills that you need to ensure you are confident with before starting:

- Solving linear equations
- Solving quadratic equations by
 - Factorising
 - Using the quadratic equation
 - Completing the square
- Laws of Indices
- Laws of Surds
- Simultaneous Equations
- Linear Inequalities

Here are the basic graphing skills you need to ensure you are confident with before starting:

- Linear Graphs
- Quadratic Graphs
- Equation of a circle
- Transformation of graphs

Here are the basic trigonometry skills you need to ensure you are confident with before starting:

- Working with $\sin(x)$, $\cos(x)$ and $\tan(x)$
- Sine Rule
- Cosine Rule
- Exact Trigonometry values
- Area of a triangle

Before September, you are expected to complete the book Head Start to A Level Maths by CGP.

https://www.amazon.co.uk/dp/B06XD29GX2/ref=cm_sw_em_r_mt_dp_U_R5-PEbS51ZTZE

Happy Summer, and see you in September!