

# Step up to A-Level Further Maths

This is a menu of tasks to help you get ready to study Further Mathematics at A-Level. Try to choose a 'balanced diet' of activities each week to ensure variety in your learning. Keep your completed work organised in a folder so that you can submit your transition work during your first Further Mathematics lesson.



## Short Video Clips (less than 10 minutes)

Each of these clips bridges the gap between GCSE and A-Level Further Mathematics. Watch the videos and make notes on any content you may need to revise over ready for the start of the course.

Quadratic Inequalities – [Video](#)



Differentiation - [Video](#)



Algebraic Proof – [Video](#)



Multiplying Matrices (2x2 by 2x2) - [Video](#)



Equation of a Circle – [Video](#)



Solving Trigonometric Equations – [Video](#)



## Questions to Practice

The questions below are designed to give you practice on essential skills for A-Level Further Maths. Please use the links below for the topics you need to practice by answering the questions and marking them using the answers provided.

Quadratic Inequalities – [Questions](#)



– [Answers](#)



Algebraic Proof – [Questions](#)



– [Answers](#)



Equation of a Circle – [Questions](#)



– [Answers](#)



Differentiation – [Questions](#)



– [Answers](#)



Multiplying Matrices (2x2 by 2x2) – [Questions](#)



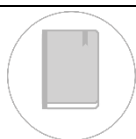
– [Answers](#)



Solving Trigonometric Equations – [Questions](#)



– [Answers](#)



## Books and Other Longer Reads

The variation in these books will show you the content studied in A-Level Mathematics to books that will captivate you with fascinating maths facts and problems.

<a href="#">A-Level Further Maths AQA Complete Revision &amp; Practice</a>	<a href="#">1089 and All That: A Journey into Mathematics</a>	<a href="#">300+ Mathematical Pattern Puzzles</a>
CGP Books	David Acheson	Chris McMullen

EST: 1629





### Websites

Explore the following websites that will be extremely useful over the course of the next two years as you study A-Level Mathematics. Have a look and see what the different websites have to offer. How could you utilise these websites?

#### [TL Maths](#)



#### [Physics and Maths Tutor](#)



#### [Underground Mathematics](#)

