



Introduction to Post-16 Studies – AS Level Further Maths

Anyone applying to study a degree in a STEM subject should consider taking Further Mathematics to at least AS level as the additional content helps ensure a successful progression to university. AS Further Mathematics is accessible to most A level Mathematics students.

The following challenges will help you develop some of the initial skills and knowledge needed for this course.



Watch this documentary

[Mathematics is the sense you never knew you had.](#)

[The next outbreak? We're not ready.](#)

2 TED talks, Eddie Woo and Bill Gates



Listen to this radio programme

[More or less](#)

Listen to an episode of this radio programme to find out how statistics are used in politics and the news.



Complete this online course

[Introduction to Differentiation](#)

This is about 18 hours of study...you will be taught this material in lessons, so this is more to give you a flavour of what is to come...



Investigation

Use your mathematical skills to find a winning strategy for each of these games...Be warned, you may get hooked!

<https://wild.maths.org/interstitial/Play-to-win>



Read this article

[How to ride the wall of death](#)

The Wall of Death has been the most enigmatic dare-devil motorbike stunt for more than 100 years. Motorcyclists ride around the inside of a vertical wall, rather like a huge barrel, at speeds of around 30mph.



How to?

[Essential Casio Calculator Skills](#)

Enrol for free to ensure you know how to use your calculator effectively.



Useful links

[Specification](#)

<https://www.mathscareers.org.uk/>

<http://www.futuremorph.org/>

<https://plus.maths.org/content/>

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