



Introduction to Post-16 Studies - A Level Maths

Maths is one of the biggest facilitating subjects, for progression to many courses at university it is important to have strong mathematics skills and for most science, technology, engineering and mathematics (STEM) degree courses A Level Mathematics is a requirement.

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



Watch this documentary

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

A vast range of videos to watch, some are 5 minutes long, others far longer. Choose some that interest you.



Listen to this radio programme

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

There are lots of different podcasts to listen to, each dealing with a different aspect of mathematics.



Complete this online course

Language, Notation and Formulas

Communication is as vital in mathematics as in any language. This course will help you to express yourself clearly when writing and speaking about mathematics.



Investigation

16 small squares are arranged in a 4 x 4 grid, each have a side length of 1 unit. How many pairs of vertices are there whose distance apart is an integer number of units?



Read this article

Shining a light on covid modelling

There are plenty of other articles to read on both this and other topics.



How to?

Essential Casio Calculator Skills

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



Useful links

Specification

[Hegarty Maths - Getting ready for A Level Maths](#)

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

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

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

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