



Summer Tasks July 2019

So, you think you would like to study: **Mathematics**

Summer Task Instructions:

So you're thinking about choosing Mathematics as an A level. This task has been put together to help give you the best possible start in September by hitting the ground running

This task concentrates on material that you should have seen at GCSE. There are some topics such as trigonometry that do not feature in this task but you will be required to know them.

It is expected that you will complete ALL the questions/problems in this task and submit your work during your first mathematics lesson in September. It is expected that this will be done on separate paper with full working shown. This will form part of your initial assessment grade so it is very important that it is done to the best of your ability. You can email maths@springwoodhighschool.co.uk any questions relating to the task or the A-level course.

Suggested Additional Reading:

A new topic that will be coming up in your A-level! Watching the following video may give you a head start when it comes to the binomial expansion:

Video: https://www.youtube.com/watch?v=Pcgvv6T_bD8

Questions to try out: <http://www.regentsprep.org/regents/math/algtrig/atp4/pracbinomial.htm>

Books: Fermat's Last Theorem – Simon Singh, Anything by Rob Eastaway e.g. How long is a piece of string

Suggested Visit:

<http://www.numberphile.com/>

Please submit the task, as well as a copy of the reading log, to your teacher on the first lesson in September. Feel to do multiple summer tasks if you are unsure on what subjects to study.