

# Welcome to your Mathematics summer task!

This Summer Task is designed to consolidate your GCSE maths knowledge in the topic areas which form a foundation to the A-Level maths course. Without this knowledge you will not be able to access the A-Level maths content. It is therefore crucial that you have completed and fully understand everything from the summer task by September.

We are what we repeatedly do.  
Excellence, then, is not an act, but a habit. Aristotle

The Summer Task is to work through the 'Head start to A-Level maths' workbook, which can be found as a separate pdf document 'Head start to A level Maths'. You must complete every question from each of the Diagnostic tests (that's question 1 - 43) and bring it to your first maths lesson for inspection. If you struggle with any of the questions you must go straight to the relevant page in the textbook and brush up your skills. The rest of the workbook will provide useful guidance and additional practice to give you the best possible start to A-Level maths.

All the answers are in the back of the pdf document 'Head start to A level Maths'. You must clearly mark all your work and do corrections in a different colour pen. You must be able to fully understand how to answer every question from the diagnostic tests. Please be prepared to sit a short test on what you have covered in this Summer Task in September.

## How do we expect your work to be presented?

You will need to get a notebook to do this summer task in. You will bring this notebook to your first maths lesson for your teacher to check your work. This notebook will continue to be used throughout year 12 for the independent study we set on a weekly basis.

## Which Calculator must you have for this course?

The A-Level maths exam requires all students to use a calculator with the following features:

- an iterative function
- the ability to compute summary statistics
- access probabilities from standard statistical distributions

It may be the calculator you used at GCSE does not meet the new criteria.

We would like you all to get a Casio FX991EX calculator. Please check the code very carefully, there are similar ones available but they may not be suitable. (The ES version which is cheaper is not suitable). Expect to pay approximately £25.



The best investment you can make is in yourself.

Warren Buffett