

Welcome to your Mathematics summer task!

This Summer Task is designed to consolidate your GCSE maths knowledge (including everything you have worked on in the 2 Bridging Tasks) in the topic areas which form a foundation to the ALevel 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.

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 text book. 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?

It is very strongly recommended that you do this summer task in a notebook and continue to use this notebook for the independent study we set in the first half term.

It is also strongly recommended that you bring 2 further notebooks to your Maths lessons in September, one for each of your 2 maths teachers. (One teacher will teach you pure and Mechanics, the other teacher will teach you pure and Statistics.)

If you prefer to work on file paper you will need 3 folders, one for your summer task and independent study, one for the work you do with your Pure and Mechanics teacher and one for the work you do with your Pure and Stats teacher.

You will need to bring the appropriate notebook or folder to every lesson. You will appreciate this level of organisation when it comes to revising for your exams at the end of year 13.

Which Calculator must you have for this course?

The new ALevel in maths which started in September 2017 requires all students to use a calculator with the following features:

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

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

We therefore strongly recommend you all get the same calculator which is the same one staff are using so that everyone can work together on understanding how to use the calculator. Time will not allow for us to teach you how to use a different calculator.

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.

