



DENBIGH SCHOOL

Subject

Maths

Maths Shopping List

Calculator – the GCSE calculators do not have all the functions needed for A level maths. You must have one of the following

- CASIO fx-991CW UK 2nd edition (the 2nd edition is much better)
- A graphical calculator such as the CASIO fx-CG 50 or CG 100 (These are much more expensive and not necessary; the 991 does everything you need, these just have extra capability such as plotting graphs that can help. They are recommended but not required if you are taking further maths)

Textbooks – we will give you digital access to the textbooks in September. You must have access to them in all lessons, which means you will need one of the following:

- A device such as a tablet or laptop to view the digital versions (not a phone, the screen is not big enough)
- The physical textbooks (available via amazon, bookshops and direct from the publisher):
 - A Level Mathematics for OCR Student Book 1 (AS/Year 1): Woolley, Ben, Kadelburg, Vesna. ISBN: 9781316644287
 - A Level Mathematics for OCR A Student Book 2 (Year 2): Kadelburg, Vesna, Woolley, Ben. ISBN: 9781316644300

You will need the Year 1 book immediately and the Year 2 book from later in Year 12

Look out for 2nd hand calculators and textbooks e.g. on eBay or from older students who have completed the course. However, there are some fake CASIO calculators sold on eBay (usually as new) so beware of these – they get some of the stats calculations wrong!

Suggested Reading and Activities

Resources to help you prepare for the course:

The AMSP (advanced maths support programme) has lots of free resources available. We recommend their essential skills powerpoints which have examples and worksheets with solutions on a variety of topics: [Transition to A level Mathematics: Essential Skills - AMSP](#)

You will have a baseline test focusing on GCSE algebra in the first few weeks so these will help you prepare for that.

If you prefer a workbook you could purchase one of the following:

CGP: Head start to A level maths
ISBN-13: 978-1782947929

Collins: Bridging GCSE and A level maths
ISBN-13: 978-0008205010

Wider Reading:

The AMSP also produces SUMS magazine monthly which is filled with interesting articles on mathematical topics, with an emphasis on preparing for uni. Details on how to access it are here: [SUMS Magazine - AMSP](#)

NRICH has lots of interesting mathematical problems and puzzles: [Students | NRICH](#)
Start with the secondary ones, you might be able to try some of the Post-16 ones too.

Podcasts/ YouTube:

Numberphile
Veritasium (science based but with lots of maths)
Hannah Fry