

A Level Mathematics

Specification link

Maths –

<http://qualifications.pearson.com/content/dam/pdf/A%20Level/Mathematics/2017/specification-and-sample-assesment/a-level-l3-mathematics-specification.pdf>

Further Maths -

<https://qualifications.pearson.com/content/dam/pdf/A%20Level/Mathematics/2017/specification-and-sample-assesment/a-level-l3-further-mathematics-specification.pdf>

CALCULATOR – you need to have this calculator (or an equivalent one) because it contains some functions your GCSE one probably doesn't have and are required by the A level exam:

- <https://education.casio.co.uk/products/991ex>

BEFORE YOU ARRIVE – You need to ensure your algebra skills are good. In particular factorising and solving quadratics. You can use the following to help:

- Mymaths – (current login: notley password: circle)
 - <https://app.mymaths.co.uk/174-lesson/factorising-quadratics-1>
 - <https://app.mymaths.co.uk/175-lesson/factorising-quadratics-2>
 - <https://app.mymaths.co.uk/1784-lesson/quadratic-equations-1>
- CGP Head-start to A level maths (note the Kindle edition is free on Amazon)
<https://www.cgpbooks.co.uk/secondary-books/as-and-a-level/maths/mbr71-new-head-start-to-a-level-maths>
- And for those wanting to brush up on harder GCSE topics:
<https://www.cgpbooks.co.uk/secondary-books/gcse/maths/mx9q42-gcse-maths-edexcel-grade-8-9-targeted-exa>

READING – these are non-specialist books that give a good overview of some of the applications of maths. They make interesting reading for anyone but are especially good for students who are studying Further Maths and might want to consider studying maths beyond the sixth form:

- 1089 and All That: A Journey Into Mathematics (Acheson)
- Fermat's Last Theorem (Singh)
- Freakonomics (Levitt & Dubner)
- The Number Mysteries (Du Sautoy)

WEB SITES :

- On YouTube check out 'Numberphile' and 'Vihart' for some interesting videos exploring mathematics
 - <https://www.youtube.com/user/Vihart>
 - <https://www.youtube.com/user/numberphile>