

A-Level Maths Super Curricular 2025

Super curriculars are activities/courses/reading that you complete outside of your lessons but that are linked to your courses.

This is different to extracurricular activities which are things that you do outside of school eg A PT job, volunteering or a sport/hobby that aren't linked to your studies. Universities generally see super curricular as more important than extracurricular.

Super curricular activities are usually things such as:

Wider Reading	Visits to places linked to your course.	Reading academic journals	Reading magazines
Work experience in your field.	MOOCs	Podcasts/Videos	Entering Competitions

I have put some ideas and support below of things that you could do to support your UCAS application over the summer Holidays.

Wider Reading- Books

The best way to look for wider reading is to look at your chosen/wanted university's reading list for your subject and see what may interest you from here. In Maths we have our own library which any student may borrow from at any time – just come and find me! Some of the books that we currently have are:

1. Hello World – Hannah Fry
2. Beyond Infinity – Eugenia Cheng
3. Why do buses come in threes? – Rob Eastaway and Jeremy Wyndham
4. Alex's adventures in numberland – Alex Bellos
5. What is mathematics? – Richard Courant
6. Eulers Pioneering Equation – Robin Wilson
7. Things to Make and do in the fourth dimension – Matt Parker
8. Infinite Powers – Steven Strogatz
9. Professor Stwards Cabinet of Mathematical Curiosities
10. The joy of X – Stever Strogatz
11. Alex through the looking glass – Aex bellos
12. Chaos: the amazing science of the unpredictable – James Gleick
13. Humble Pi – Matt Parker
14. In Search of Schrodingers Car – John Gribbin
15. The Simpsons and Their Mathematical Secrets – Simon Singh
16. The Music of primes – Marcus Du Sautoy
17. The great mathematical problems – Ian Stewart
18. 17 Equations that changes the world – Ian Stewart

Journals/ Magazines

Plus Magazine [Welcome to Plus! | plus.maths.org](https://www.plus.maths.org)

New Scientist [New Scientist | Science news, articles, and features](https://www.newscientist.com)

Podcasts/Videos:

If you struggle with reading books then you could watch this video review about the book “Fermat’s Last Theorem” by Simon Singh. [Fermat's Last Theorem - Book Review - YouTube](#)

The London Mathematics Society Youtube channel is interesting: [London Mathematical Society - YouTube](#)

Numberphile – some interesting videos here too [Numberphile](#)

Maths at Cambridge- some things here are a little old but still interesting: [Mathematics Mock Interview, University of Cambridge](#)

TED Talks: Maths to blow your mind [Math talks to blow your mind | TED Talks](#)

Oxford University Podcast: [The Secrets of Mathematics | University of Oxford Podcasts](#)

Lectures

Many places do free maths lectures to watch:

Gresham College: [Watch Now | Gresham College](#)

Oxford Lectures: [Oxford Mathematics Public Lectures and Events | Mathematical Institute](#)

Websites

If you are looking to go into engineering then this is a good website: [Engineering.com](#)

Step support Programme: [Welcome | STEP Support Programme](#)

MOOCs

Some excellent places offer free online courses such as:

Harvard: [Free Courses | Harvard University](#)

York University: [Free online courses - Free online courses, University of York](#)

University of London: [MOOCs - free taster courses - Free taster courses | University of London](#)

Imperial: [mA*ths Online Programme | Be inspired | Imperial College London](#) (Apply in September for this)

EdX – lots of different places here [edX | Online Courses, Certificates & Degrees from Leading Institutions](#)

My-Mooc.com [Learn with MOOCs about Mathematics | Free Online Courses | My Mooc](#)