**Maths Beyond the Curriculum**

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| Why Not Try This? | I’ve Done This!(Tick when done) |
| See all the items linked from the [AMSP More Maths page](https://amsp.org.uk/students/a-level/more-maths)  |  |
| Listen to the [podcasts from the FMSP](https://podcasts.apple.com/gb/podcast/taking-maths-further-podcast/id892719914)  |  |
| Try some of the [nrich monthly problems](https://nrich.maths.org/8410) |  |
| Try the [MEI Monthly Problem Solving Questions](http://mei.org.uk/month_item) (or [arranged by topic](http://mei.org.uk/miotm)) |  |
| Complete the [STEP prep modules on nrich](http://nrich.maths.org/11472) |  |
| Take part in the [UKMT Individual Maths Challenges](http://www.ukmt.org.uk/individual-competitions/senior-challenge/) |  |
| Take part in the [MOG](http://www.ukmt.org.uk/individual-competitions/mathematical-olympiad-for-girls/) (for real if you’re a girl, or just for fun if you’re a boy) |  |
| Read about [real-life maths topics from the Mathematical Association](https://www.m-a.org.uk/post-16-resources) |  |
| Go to the [Maths Inspiration lectures](http://mathsinspiration.com/) |  |
| Watch some [Numberphile](http://www.numberphile.com/) videos |  |
| Watch some [Khan Academy](https://www.khanacademy.org/) videos |  |
| Watch some [mathispower4u](http://www.mathispower4u.com/) videos |  |
| Watch episodes of TV program [School of Hard Sums](http://dave.uktv.co.uk/shows/dara-o-briain-school-of-hard-sums/) with Dara O’Briain & Marcus Du Sautoy |  |
| Regularly explore the [mathsplus website](https://plus.maths.org/content/) |  |
| Attempt some [MAT](https://www.maths.ox.ac.uk/study-here/undergraduate-study/maths-admissions-test) & [STEP](http://www.admissionstestingservice.org/for-test-takers/step/preparing-for-step/) questions |  |
| Try the [Advanced Problems in Maths](https://www.colmanweb.co.uk/Assets/PDF/advanced-problems-mathematics.pdf) or the [Advanced Problems in Core Maths](https://www.colmanweb.co.uk/Assets/PDF/advanced-problems-core-mathematics.pdf)  |  |
| Take part in the [STEP Support Program](https://maths.org/step/)  |  |
| Read some maths reading books from the [Cambridge University undergraduate reading list](https://www.maths.cam.ac.uk/undergrad/admissions/files/admissions/reading-list.pdf) or [this Nrich list of great maths books here](https://nrich.maths.org/books) |  |
| Read [Chalk Dust Magazine](http://chalkdustmagazine.com) |  |
| Do the regular questions on [brilliant.org](https://brilliant.org/) |  |
| Find out about the [millennium maths problems](http://www.claymath.org/millennium-problems) (but don’t expect to solve them just yet!) |   |
| Attend a local Summer School |  |
| Take part in university maths events such as [those at UCL](http://www.ucl.ac.uk/maths/outreach) |  |
| Take part in the [Ritangle](https://integralmaths.org/ritangle/) competition |  |
| Take part in the [Maths Bombe](http://www.maths.manchester.ac.uk/mathsbombe/) competition |  |
| Take part in [Project Euler](https://projecteuler.net) |  |
| Oxbridge style [undergrad-maths-interview-questions](http://www.colmanweb.co.uk/Assets/Resources/UniversityInterviewQuestions.pdf) |  |
| Try these [sets of problem solving questions](http://www.resourceaholic.com/p/problem-solving.html) from @mathsjem |  |
| Try some [UKMT, MAT and AEA questions arranged by topic](https://www.colmanweb.co.uk/problemsolving/index.htm) |  |
| Watch [YouTube videos by Black Pen Red Pen](https://www.youtube.com/c/blackpenredpen) |  |
| Enjoy some maths problems by [Mind Your Decisions](https://mindyourdecisions.com/blog/) |  |
| Try these [D1giti53rs](http://www.s253053503.websitehome.co.uk/mydirr/digitisers.html) |  |
| Complete some [great geometry problems](https://twitter.com/Cshearer41) by @cshearer41  |  |
| Loads of difficult but interesting questions by [Dare2Solve](https://www.dare2solve.com/), [Art of Maths](https://mathematicsart.com/solved-exercises/) and [SQRT](https://www.youtube.com/channel/UCHROYmeS5YmXiVzkEqMaizg/featured) |  |
| Explore [madasmaths.com](https://www.madasmaths.com/) |  |
| Investigate areas of maths that your A level course doesn’t cover (e.g. further maths topics) |  |
| Apply early for university summer schools |  |
| Support with Key Stage 3 maths classes at your local high school |  |
| Take part in mentoring of less experienced students at your sixth form |  |