



# Year 11 Preparation for Study at Loreto College

## SUBJECT

Further Maths



## QUALIFICATION

A Level



## PREPARATION TASKS



## RESEARCH



Remember that Further Maths is taken alongside A Level Maths and that you should be looking at the sheet for that too.

Further Maths GCSE is excellent preparation for A level Maths.

[Corbett Maths](#) covers the specification with a series of videos and practice questions.

If you've done Further Maths GCSE, this will be good revision, if you haven't, this will be excellent prep for the course.

CGP also have a [revision guide](#) available on Amazon too.

[Headstart to A level maths](#) is currently free on kindle

These resources are from the nrich website and are good preparation (these are just suggestions, feel free to attempt more from the website.)

[Name that graph](#)

[Which fraction is bigger](#)

[Not Continued fractions](#)

[Comparing continued fraction](#)

[All tangled up](#)

[Continued fractions 1](#)

[Equation Master](#)

[Stretching fractions](#)

[Look before you leap](#)

[Harmonic Triangle](#)

[Ben's Game](#)

[Cancelling Fractions](#)

[Shopping basket](#)

[Powers and Roots Short Problems](#)

[Producing an integer](#)

[Algebra Short problems](#)

## RECOMMENDED READING



## RECOMMENDED WEBSITES



'Can You Solve My Problems?'

'Alex's Adventures in Numberland' – both by Alex Bellos

'The Mathematical Secrets of the Simpsons' – Simon Singh

'The Number Mysteries' and 'The Music of the Primes'

– Marcus Du Sautoy

'17 Equations that Changed the World'

– Ian Stewart

'Things to Make and Do in the Fourth Dimension'

– Matt Parker

UKMT have a range of [solo competitions](#) that you're probably familiar with.

As well as the Senior Maths Challenge, Consider taking a look at the [Olympiad](#) and [Kangaroos](#) for the lower levels they are still very challenging!

There are lots of great maths channels on youtube. [Mind Your Decisions](#) is full of excellent puzzles, and [Numberphile](#) explores a lot of mathematical ideas in depth.

**This research work is really useful to do, as it will help you to explore your options for college study. Please be aware that agreed courses will be finalised at enrolment after students have been awarded their GCSE results.**