

LRGS A level Transition Work: Mathematics

For Year 11 Students who will be studying Maths or Further Maths in the lower sixth at LRGS from September 2023.

The transition from GCSE to A level maths can be quite difficult for some students. There is some repetition of previous work, but the difficulty and complexity builds very rapidly and it is expected that you are confident with all the topics covered at GCSE.

The transition work below, recaps lots of topics you will have seen before allowing you to check your knowledge and extend it in new directions. We recommend you complete this work towards the end of the summer holiday before starting the course in September. If you race through all of it before the holiday you may have forgotten large parts of it by the time you get into the classroom!

Part 1 - ESSENTIAL FOR ALL STUDENTS

Integral Maths Online Transition Course

You have been enrolled into an online course at <https://integralmaths.org/>

When you first access the course you will need to login:

- Your username is “**2753T-**” followed by your first initial then your surname. For example, Thomas Smith would be “**2753T-tsmith**”
- Your password will be “Changeme123”

A couple of students have slightly different usernames due to very similar names. I have emailed you

Please work through the course carefully and thoroughly – don’t rush it! There are short tests after each section – **only complete these after you have worked through all the parts of the activity** and when you feel ready and confident to take them. Racing through the tests without thinking about the skills involved is not the aim of this task!

Your scores will be passed onto your maths teachers in September. The *going deeper* sections are excellent for those who want to explore ideas further.

Part 2 – USEFUL FOR ALL, BUT ESSENTIAL FOR STUDENTS WITH A GRADE 7

AMSP Essential Skills Course

The second course covers many of the same areas as the online course, so it is excellent for those wanting a bit of extra practice in certain areas. I recommend all students look through this section and choose to focus on areas where you are less confident.

<https://amsp.org.uk/resource/gcse-alevel-transition-resources>

If you achieve a grade 7 at GCSE this summer, it is essential that you spend time on these sections and cover them thoroughly before September to give you the best chance of starting the course successfully.

This course is paper based, so please practice completing neat clear solutions to problems – a vital skill at A-level. Solutions are given so you can check your own answers as you go.

Sparx Maths GCSE-A level Transition booklet

For those of you familiar with Sparx maths this is an excellent set of questions from the very top end of GCSE that covers essential topics for the start of A level.

[Free GCSE to A-Level Transition Booklet | Sparx Maths](#)

Those of you who had a Sparx account last year at LRGS should also still be able to access the independent study section to complete further practice if you want.

If you have any problems, particularly with logging onto integral please get in touch. We look forward to welcoming you to the Maths department in September.

Mr Calvert (Head of Maths)

bcalvert@lrgs.org.uk