

A-Level Bridging Work - A level Maths and A level Further Maths

All tasks should be completed and handed in to your teacher during your first lesson at the start of the academic year. The highlighted task should take approximately **one hour** to complete and this should be submitted to your teacher on the A-level induction day in term 6.

Introduction to the Course (2 hours)	GCSE Flashback (4 hours)	A Level Preparation Tasks – Overview Task(1 hour)
<p>Power-point attached outlines the following</p> <ul style="list-style-type: none">• Why study maths?• Course description & examination details• Career opportunities• University courses & Apprenticeships• Other useful sources of information• Student expectations <p>Specification – Edexcel A Level Maths</p> <p>Specification – Edexcel Further Maths</p> <p>Resources that are required for the course:</p> <ul style="list-style-type: none">• Graphical calculator – recommended calculator is Casio FX9750G II Plus Graphic	<p>The A level Maths course relies on students having a strong grasp of higher GCSE content. The first few topics of the A level course reviews some GCSE topics and extend these to a higher level. Therefore, it is very important that you start the course with a solid foundation of Higher GCSE concepts.</p> <p>Please spend time during the next 3 weeks to ensure that you are confident with the topics identified below.</p> <p>Topics 1</p> <ul style="list-style-type: none">• Expanding brackets & simplifying• Surds• Rules of Indices• Factorising Expressions	<p>What you need to do for the Sixth Form Induction Day</p> <ul style="list-style-type: none">• Print the overview task• You should complete the overview task on your own and on lined paper and it will be marked by maths staff to identify areas of strength & development.• You must bring the overview task on the Sixth Form Induction Day

Calculator. ***You will have the opportunity to purchase this through school at the start of the course ~ cost is around £55.***

A level Transition work book – CGP online

- This is not compulsory however, you will find working through this booklet during the summer will give you a solid foundation to the start of Year12
- New Head Start to A-Level Maths (MBR71)

Text Books

- You will be given a text book and also online access at the start of y12

Revision guides

- You can purchase these from CGP online. You will be able to purchase these through school at a cheaper price at the start of Year12

Topics 2

- Completing the square
- Solving quadratic equations
- Sketching quadratic graphs
- Solving linear simultaneous equations

Topics 3

- Solving linear & quadratic simultaneous equations
- Linear Inequalities
- Quadratic Inequalities
- Sketching cubic & reciprocal graphs

Topics 4

- Translating graphs
- Straight line graphs
- Parallel & perpendicular lines
- Rearranging equations

What you need to do

- **Prioritise the topics** above that you need to focus by RAG rating each one
- **Identify the topics** that you need to review to increase your confidence in

<ul style="list-style-type: none"> • A-Level Maths for Edexcel: Year 1 & 2 Complete Revision & Practice with Online Edition (MER71) • AS & A-Level Further Maths for Edexcel: Complete Revision & Practice with Online Edition (MFER71) 	<ul style="list-style-type: none"> • Read through the examples on the topic, complete the exercise and mark your work. • Keep all this work organised in a ring binder folder ready to show during your first maths lesson in September. • Please mark your work and you can email Mr Thrower if you have any problems • Use MathsWatch videos & revision guides to support you or online videos from Corbett Maths 	
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Approx. 6 hours of work in total. For further guidance, please contact Mr Thrower jthrower@chippingnortonschool.org