

## Phase One Bridging Work 2021 – A level Maths and A level Further Maths

All tasks should be completed and handed in to your teacher during your taster lesson on the A-level induction day on **Monday 12 July**.

Introduction to the Course (2 hours)	GCSE Flashback (2 hours)	A Level Preparation Tasks (2 hours)
<p>Power-point attached outlines the following</p> <ul style="list-style-type: none"> <li>• Why study maths?</li> <li>• Course description &amp; examination details</li> <li>• Career opportunities</li> <li>• University courses &amp; Apprenticeships</li> <li>• Other useful sources of information</li> <li>• Student expectations</li> </ul> <p><u><a href="#">Specification – Edexcel A Level Maths</a></u></p> <p><u><a href="#">Specification – Edexcel Further Maths</a></u></p> <p><b>Resources that are required for the course:</b></p> <ul style="list-style-type: none"> <li>• Graphical calculator – recommended calculator is Casio FX9750G II Plus Graphic Calculator. <b><i>You will have the opportunity to purchase this</i></b></li> </ul>	<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><b>Topics 1</b></p> <ul style="list-style-type: none"> <li>• Expanding brackets &amp; simplifying</li> <li>• Surds</li> <li>• Rules of Indices</li> <li>• Factorising Expressions</li> </ul> <p><b>Topics 2</b></p> <ul style="list-style-type: none"> <li>• Completing the square</li> </ul>	<p>The support tasks will help you prepare for the overview task that you will complete from <b>7<sup>th</sup> July</b> onwards and it will be marked by maths staff to identify areas of strength &amp; development to ensure that you start Year 12 with confidence.</p> <p><b>What you need to do</b></p> <ul style="list-style-type: none"> <li>• Print the overview task that will be emailed to you on <b>Wednesday 7<sup>th</sup> July</b>.</li> <li>• 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 &amp; development.</li> <li>• <b>You must bring the overview task to the induction lesson on Monday 12<sup>th</sup> July.</b></li> </ul>

***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

- 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
- 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

<ul style="list-style-type: none"> <li>• A-Level Maths for Edexcel: Year 1 &amp; 2 Complete Revision &amp; Practice with Online Edition (MER71)</li> <li>• AS &amp; A-Level Further Maths for Edexcel: Complete Revision &amp; Practice with Online Edition (MFER71)</li> </ul>	<p>your induction lesson on <b>Monday 12<sup>th</sup> July</b></p> <ul style="list-style-type: none"> <li>• Please mark your work and you can <b>email Mr Thrower</b> if you have any problems</li> <li>• Use Mathswatch videos &amp; revision guides to support you or online videos from Corbett Maths</li> </ul>	
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Approx. 6 hours of work in total. For further guidance, please contact Mr Thrower [jthrower@chippingnortonschool.org](mailto:jthrower@chippingnortonschool.org)