New Year 12 Further Mathematics Transition Work

Thank you for applying to study Further Mathematics A-Level at Trinity Sixth Form. If you have not already read the information on the ordinary Mathematics transition document, then please go back and do that as I am not going to repeat it, but the congratulations apply here too.

Further Mathematics A-Level is an amazing subject. I am often asked what the differences between Mathematics and Further Mathematics are, but this is not as straightforward to explain as you may think. It is not as simple as saying one is an extension of the other because some of the mathematics that we will do is completely different to the ordinary A-Level. All I can say for now is that Further Mathematics at A-Level is very special, and I am excited to bring this to you when school begins.

In the meantime, I will be setting some work that will help you to prepare. Firstly, the work that will be set for ordinary Mathematics will be helpful for you in preparing for Further Mathematics as the pre-requisite knowledge is the same. The work that I am going to set here is going to be intended to make you think.

Most of the documents are designed for you to be able to develop algebraic skills that will help you when we start studying new concepts. Please do not think that if you cannot answer questions, then you are not good enough to study Further Mathematics at A-Level – that is not true! I will teach you all the skills and knowledge that you will need once we are in school.

If you need any support at all, then do not hesitate to email me at barton\_s@trinityhigh.com.

See you soon.

Mr S Barton

Trinity CoE High School.

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| Task | Document |
| 1 | Algebraic Fluency. Work through full coverage questions. |
| 2 | Functions. Work through full coverage questions. |
| 3 | Quadratic and Cubic Graphs. Work through full coverage questions. |
| 4 | Trigonometry in depth. Work through full coverage questions. |
| 5 | Rational Expressions. Work through full coverage questions. |
| 6 | Algebraic Fractions in depth. Work through full coverage questions. |
| 7 | Introduction to Number Theory. |
| 8 | Tricks and tips for advanced algebraic manipulation. |