



# AS Level Further Mathematics Induction Task

**Introduction:** This subject builds up a substantial knowledge of pure and applied mathematics. An enthusiasm for mathematics is essential for this demanding course. We would recommend that you take this option if you are very keen on following mathematics-related subjects at university.

We hope that you will use this introduction to give you a good start to your AS work and that it will help you enjoy and benefit from the course more.

**Mrs Spencer**  
**Head of Mathematics**

**Mr Cobb & Mrs Cobb**  
**Lead Teachers for Key Stage 5**

**Task:** The study of Further Maths includes extending the number system you are familiar with to include complex numbers. Over the summer we would like you to research complex numbers and create a poster about them. Please note:  
Your poster can be on A4 or A3 and could feature the mathematics, history and applications of complex numbers.  
**Further Mathematicians are expected to get over 80% in the normal Maths start of year test (there is only one test).**

**Additional:** No additional resources are needed from school to complete this task

**Due:** **The poster should be brought to your first further maths lesson.**  
**You are expected to achieve over 80% in the test in your first normal maths lesson.**

**Set by:** If you have any queries regarding the task set please contact KS5 Coordinators  
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**Expected Time Commitment:** You should spend at least 2 hours researching and creating your poster