

Further mathematics bridging work

In order to prepare you for your Further maths studies, we need you to get used to a little self-study and research. I have picked out a couple of topics that relate to your GCSE work, but move you onto further maths work as well. Here are two topics that I would like you to look at/investigate.

1. Radian measures.

Radians are an alternative to measuring angles in degrees. Can you find out:

- What is a radian?
- How do you convert from degrees to radians?
- How do you convert from radians to degrees?
- What do we use radians for in A level maths?

2. Complex numbers.

- What is a complex number?
- How can you use complex numbers to solve equations?
- How do you calculate with complex numbers?

Places to look:

1. The internet
2. Mymaths has a section for further maths A level
3. Mathswatch has some A level topics added.

I have also attached some worksheets with questions on radians and complex numbers for you to try.

Please do not worry if you find it tricky! You will be taught all of the methods needed to work with both radian measures and complex numbers as part of your A level maths & further maths course and be given LOTS more practice questions!