The Further Maths A Level guidance is below:

Our current 5th form are looking at some of the topics they will encounter as part of the A Level Further Maths course:

**Complex numbers**

The students have looked at what an imaginary number is and what a complex number is. We looked at the discriminant (from A Level Maths) and used that to discuss complex roots of quadratics. We have considered addition, subtraction, multiplication and division of complex numbers and looked at how to represent them on an Argand diagram.

**MyMaths complex number activities**

Go to the mymaths website ([www.mymaths.co.uk](http://www.mymaths.co.uk)) and login using

Login: stowe

Password: laplace

On the menu on the left select **Further Maths resources** then choose **Further Pure**. The first section that is highlighted is **'Complex numbers'**. I suggest you work through the following lessons, making notes and completing the interactive exercises:

* Introducing complex numbers
* Calculations with complex numbers
* Argand diagrams 1 (don't worry about modulus and argument form - we didn't do that)
* Equations with complex numbers (challenging!)

**Matrices**

As part of the Level 2 Further Maths course from AQA the students are looking at Matrices. We are working on matrices arithmetic and matrix transformations. I have attached a folder containing notes, examples and exercises.

There are also some matrices tasks on mymaths if you prefer a more interactive approach.

All these topics will be covered again next academic year so please do not worry if this seems very challenging.