

Summer Work Year 11 into 12

Name of Subject: Further Mathematics

Summary of the course:

Exam Board: OCR MEI

Course Title: A level Further Mathematics B (MEI) H645

Subject/unit lead teachers and their contact:

Mrs Lang – Gemma.Francislang@plymptonacademy.tsat.uk

Mr Butler – Terry.Butler@plymptonacademy.tsat.uk

What should I get in preparation for September?

Mathematical equipment: Pen, pencil, ruler, calculator (please see below)

We will provide you with exercise books to do your work in

Textbooks can be borrowed from the faculty in September

Calculators: Please do not buy new calculators as we will be able to sort orders for this in September.

How will this be assessed in September?

You will be asked to present the solution to at least one of your chosen questions either as a worked document or through discussion/explanation to the class and should have a written copy to hand into the teacher.

Read it:



Read an article that interests you from [Plus Magazine](#) and write a summary of your findings.

Watch it:



[The Map of Mathematics](#)
[Numberphile e](#)

Do it:



Work through the following two tasks which introduce you to numerical integration (Numerical methods module) and graphs (Modelling with algorithms module)

Task 1: [Numerical Integration](#) [Task 1 Worksheet](#)

Task 2: [Graphs and Euler's cycle](#) [Task 2 Worksheet](#)

Research and produce a solution to at least one of the [Further Maths Transition](#) problems. All of these topics will be covered in the Further pure module of Further Mathematics.

(Optional) Stretch it:



Read other mathematical articles, or watch some videos from [Plus Magazine](#), there are a wide variety of topics available. There are also some interesting puzzles.

Watch some episodes of [numberphile](#), again there are various areas of maths covered here.