

A Level Bridging Work

Core Maths

The following tasks will enable you to revise your KS4 Maths and prepare you for the Core Maths course. Please print off this page (if possible) and place it at the beginning of your folder with the table filled in.

Please complete Activity 1, 2, 3 and 4

Activity 1

Set up a file for Core Maths

It needs to have sections for the 3 further activities you will do. All your work should be put into this file and brought to the first lesson next year.

Activity 2

Revise percentages – click on the link for the questions, either print off the questions or write the answers on paper. If you need a reminder the video should help. Make sure you mark your work when you have finished one section using the solutions and green pen any corrections before filing your work ready to bring in.

Date completed	Topic area	questions	solutions	Help video	RAG rate
	Percentage multipliers	questions	solutions	video	
	Compound interest	questions	solutions	video	
	Percentage change	questions	solutions	video	
	Activity 3 – Taxes	See below for details			
	Activity 4 – how many steps?	See below for details			

Activity 3

How many different taxes are there in the UK?

Research the what taxes you might pay in the future – write a list of all the different taxes you can find and when/ who pays them.

Make sure you file your work in your folder.

Activity 4

How far would an average person walk in their life time?



You need to produce a PowerPoint to show your solution. It must:

- State clearly all the **assumptions** you are making and (if relevant) how you have come to make them.
- Show your calculations (explaining clearly what calculation you are doing and why).
- Show a final answer
- Put this in a context that 'means something'. How far would you actually get if you walked that distance in 'one go'?

You may use a calculator.

There is no one correct answer to this. The important part of the work is to show your thinking to get to your answer.

Please ensure you bring copies of the slides for your PowerPoint to the first lesson in September in your folder. You will then be told the email address to send the presentation to.

