

Step into Sixth Form

Bridging the Gap from Year 11 to Sixth Form

Bridging work Core Maths

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Remember, as an independent learner you should still be taking notes and keeping your work in an organised fashion. Don't stop exploring ideas and additional themes around the topics, just because you now have set tasks that will be submitted for assessment.

The purpose of these Bridging tasks is to spark your continued interest in the subject, develop your knowledge and prepare you for a flying start in September, enjoy them!

Note the submission dates and method for every subject.

Skills	Tasks	Outcome	Assessment method	Submission date	Feedback form
 Reading Practice and check Completing work by the deadline	<p>Read the pre-reading task; this document outlines the content of course – if you are interested the reading list contains some really interesting material.</p> <p>THIS NEXT TASK WILL BE REALLY USEFUL ONGOING DURING THE COURSE: Register for core maths skills website https://amsp.org.uk/resource/core-maths-skills Explore the content</p>	<p>Understand the content in the Core Maths course.</p> <p>The idea is that you revisit and refine the skills that will be useful to you throughout this course (and may well help with your other subjects in particular if you are studying Psychology, Geography or Biology)</p>			

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The task:

For this bridging task I'd like you to have a go at one of the tasks from the word document [task - core maths](#) the page looks like this:

Core Maths preparation for Year 11

What is Core Maths?

In essence, Core Maths is about using the maths skills you learned at GCSE and applying them to real-world situations. Each week we'll like you to complete a practical task and a follow-up piece of creative maths. This work will involve research, revision and use of key maths skills, and developing your communication skills to explain your mathematical thoughts and processes, as well as to justify your conclusions.

Week 1: Cake baking	Metric measures	Money calculations	Proportion
1. Bake a cake. What maths is involved in this activity?			
2. Write a 7-page plan, including detailed calculations, on how much money you could lose from making and selling this cake. You'll need to consider:			
• Cost of ingredients per cake			
• How many cakes you can make, so how many slices you sell;			
• How much money you make, so how much profit;			
• Is this a good profit percentage so worth doing?			
• Consider time, set-up, energy and other costs.			

Week 2: Climb Ben Nevis

Metric measures

Estimation

1. Walk up and down your stairs (or a staircase at school). What height do you climb? How long does it take you?

2. Research how high the largest mountain in the UK, Ben Nevis, is.

3. Calculate how long it would take you to complete the challenge of climbing the height of Ben Nevis at home.

4. Produce a double-page magazine article in the 'Ben Nevis' home challenge, this could be as part of a daily fitness plan over a period of time, or a one-off charity event.

The idea being you can just have a go and see how much understanding you can get by learning independently. The idea is for you to see the philosophy behind core maths which is to look at pieces of maths that you are familiar with and apply them to a contextual situation (sometimes real world contexts and others just looking at the maths in problems) Don't panic if there's bits you don't fully understand, or find it difficult to take this new approach to maths, just give it a go!

Anything that you complete please hand in to me, Mrs Rogers by 16/09

Any questions email: jrg@chosen-hill.gloucs.sch.uk

Teacher assessed.

email to Mrs Rogers by 15th September

I will email back feedback to you on the work completed – including corrections you can make to your work.