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Dr Frost Maths is an online platform that we use in the maths department at Budmouth for setting homework. Students can also use Dr Frost Maths for independent practice and revision on any maths topic. Dr Frost Maths works best on a computer, laptop or tablet. It is accessible on a mobile device but the small screen size means it is not ideal.

## Loggin In

To log in students need the following information Website: <u>https://www.drfrostmaths.com</u> (then click log in at the top right) Username: your school email address: \_\_\_\_@budmouth-aspirations.org Password: password (just the word password, all lower case)

If you have any issues logging in please reach out to your maths teacher.

## Homework

Once you are logged in you will see a home page like this.



Homework tasks are towards the bottom in the middle of the screen. Click the title of a homework task to be taken to that task. Then click the blue 'Start Attempt' or 'Continue Attempt' to work through the task.

## **Independent Practice**

The real power of Dr Frost Maths is that is allows students to independently practice topics. This is perfect if students want to review content from recent lessons or want to revise for upcoming assessments. There are practice questions and videos that students can watch.

To access this click 'A Level Maths' on the home page around the middle of the page, under Courses. This will take you to a screen like this below:



This page shows the units that we cover through both year 12 and year 13. Click on any unit to see a screen like this:

Pure (Year 1)	<ul> <li>(a) Calculate the gradient of a line joining a pair of points.</li> <li>(b) Understand the link between the equation of a line, and its gradient and intercept.</li> <li>(c) Find the equation of a line given (i) the gradient and one point on the line or (ii) two points on the line.</li> </ul>				
Chp1 - Algebraic Expressions 13 skills	<ul> <li>(d) Find the point of intersection for a pair of straight lines.</li> <li>(e) Know and use the rules for parallel and perpendicular gradients.</li> <li>(f) Solve length and area problems on coordinate grids.</li> <li>(g) Use straight line graphs to construct mathematical models.</li> </ul>				
Chp2 - Quadratics 5 skills	DOWNLOADABLE RESOURCE Pure 1 Chapter 5 - Straight Line Graphs Designed to accompany the Pearson Pure Mathematics Year 1/AS textbook.				
Chp3 - Equations & Inequalities 3 skills					
Chp4 - Graphs & Transformations	$\blacksquare$ 327 Use the formula $y-y_1=m(x-x_1)$ for find the equation of a straight line. Mastery: 0/100				
5 skills	match y or room				
5 skills	Practise				
5 skills Chp5 - Straight Line Graphs 1 skills	Practise OR NARROW DOWN VIDEO DIFFICULTY RECENT ACCURACY				
5 skills Chp5 - Straight Line Graphs 1 skills Chp6 - Circles 1 skills	Practise       VIDE0       DIFFICULTY       RECENT ACCURACY $\Box$ E327: Exam Practice: Use the formula $y - y_1 = m(x - x_1)$ for find the equation of a straight       Example       1-4				
5 skills Chp5 - Straight Line Graphs 1 skills Chp6 - Circles 1 skills	Practise       VIDE0       DIFFICULTY       RECENT ACCURACY $\bigcirc$ 1227: Exam Practice: Use the formula $y - y_1 = m(x - x_1)$ for find the equation of a straight line.       Example       Image: Comparison of the equation of				

This page shows a list of topics within that unit. From there you can click 'Practise' under each subsection to practice all the skills within that subsection of the unit.

When answering a question you will see a screen like this. You can see a worked example explainer video by clicking the 'Example' video symbol at the top of the screen.

dfm	Secondary → Shape, Space & K228k: Use Pytha hypotenuse and sh	Measures → Pythagaras goras' theorem twice where a horter length are shared.	<i>p</i> r
		Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 0%	
		Work out the value of z.	
		15 cm	
		Give your answer correct to 1 decimal place. $\partial z =$ cm	
		Submit Answer	

If you get a question incorrect it will give the correct answer and all of the working out steps in a box on the right hand side – as shown in the example below.

dfm	Secondary → Agebra → Sequences K88a: Determine the nth term formula of an ascending arithmetic sequence	Example	ø
	Q1 Q2 Q3 Q4 Q5 Q6	Q7 Q8 Q9 Q10 0%	
Fin	d the $n$ th term of the sequence.	× Incorrect	
8,1	4,20,26,	The answer is $n$ th term = 6	a+2
nth	Submit Answer	The sequence is going up by the formula starts $6n$ . This term $6 \times 1 = 6$ but the firs sequence is actually 8 so we give the formula for the <i>n</i> th	6 each time, so ould give first term of this need to add 2 to term as:
Y	ou can optionally leave a comment for your teacher about this question/you nower. Press Alt+Equals to insert mathematical expressions.	6n+2	
	Send	Next Question Conti	nue Later

## **Past Papers**

You can access past A level papers to practice answering exam style questions. To access these from the homepage click '**Start a Practice**'. This will show a screen like the one below:



From there click **Past Papers**. Then select **Pearson Edexcel**. Then select **A Level** and you will see five options

- A Level International ignore this
- AS FM Papers year 12 papers for Further Maths
- A2FM Papers year 13 papers for Further Maths
- A2 Papers year 13 papers for A Level Maths
- AS Papers year 12 papers for A Level Maths

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