







Year 9 Maths End of Year 25 Topic List



All chapters on the topic list will be assessed as this is your End of Year test.		
Topics	DFM Key Skills	Revised (Y/N)
1. Indices and standard form		
1.1 Indices	88	
1.2 Calculations and estimates	188	
1.3 More indices	158, 299	
1.4 Standard form	302, 303	
1.5 Surds	336, 337	
2. Expressions and formulae		
2.1 Solving equations	257, 258	
2.2 Substituting into expressions	136, 196	
2.3 Writing and using formulae	198	
2.4 Using and rearranging formulae	201	
2.5 Index laws and brackets	191, 192, 252	
2.6 Expanding double brackets	300	
2.7 Factorise simple quadratics (not in text book)	253, 363	
2.8 Intro to completing the square (not in text book)	413a	
4. Multiplicative reasoning		
4.1 Enlargement	295, 296	
4.2 Negative and fractional scale factors	298	
4.3 Percentage change	215, 223	
4.4 Compound measures	326, 329	
4.5 Direct and inverse proportion	176	
5. Constructions		
5.1 Using scales	284	
5.2 Basic constructions	285	
5.3 Constructing triangles	285	
5.4 Using accurate scale diagrams	228	
6. Sequences, inequalities, equations and proportion		
6.1 nth term of arithmetic sequences	203, 204, 205	
6.2 Non-linear sequences	371	
6.3 Inequalities	310	
6.4 Solving equations	340	
6.4.5 Solving simultaneous equations	277	
6.5 Proportion	387	
7. Circles, Pythagoras and prisms		
7.1 Circumference of a circle	209, 212, 319	
7.2 Area of a circle	210, 211, 320, 324	
7.3 Pythagoras' theorem	289	
7.4 Prisms and cylinders	231-234	
7.5 Errors and bounds	311	
8. Graphs		
8.1 Using $y = mx + c$	274	
8.2 More straight-line graphs	275	
8.3 Simultaneous equations	410	
8.4 Graphs of quadratic functions	367	
8.5 More non-linear graphs	367	
9. Probability		
9.1 Mutually exclusive events	248, 250	
9.2 Experimental and theoretical probability	251	
9.3 Sample space diagrams	249	
9.4 Two-way tables	238	
9.5 Venn diagrams	242, 356	
9.6 Probability Trees (not in text book)	353b,d,e	

Additional Resources			
Worksheets on Sharepoint These include most of the topics covered in the year. They each have three levels of difficulty (support, core and then depth) and the answers are at the end of the document.		Youtube - Corbett Maths Here you can find lots of videos on GCSE topics. Complete the questions as you watch the video.	
Corbett Maths Here you can find worksheets filtered by topic as well as written and video solutions		Dr Frost Use the Dr Frost numbers to the left to complete questions on these topics. You can also complete past paper questions on here too.	
Set yourself up for success with assessments...			
End of Term/Year Assessments			
Topic list			
Identify areas to work on. Start practising these Key Skills on DFM and/or with worksheets on sharepoint			
Key Skills HW on DFM			
Two weeks before the test. Workings shown neatly in your book.			
Pre-test and other resources given by teacher			
Use these to identify topics for further revision at home. Use resources from QR codes above to practise them.			
Test corrections (Really important to improve exam technique)			
Use worked/video solutions to make any necessary corrections in green pen Ask your teacher if you still don't understand			
DFM key skills			
Identify a minimum of 3 Key Skills for further practice from your review sheet Write these out neatly in the front of your exercise book with full workings 10 questions from each Key Skill Use the Exam Skills to extend your learning if you don't have 3 Key Skills			