







## Year 9 March 25 Topic List



New content (will make up the majority of the assessment)			
<b>4. Multiplicative reasoning</b>			
Topics	DFM Key Skills	Revised?	
4.5 Direct and inverse proportion	176		
<b>5. Constructions</b>			
Topics	DFM Key Skills	Revised?	
5.1 Using scales	284		
5.2 Basic constructions	285		
5.3 Constructing triangles	285		
5.4 Using accurate scale diagrams	228		
<b>6. Sequences, inequalities, equations and proportion</b>			
Topics	DFM Key Skills	Revised?	
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		
<b>7. Circles, Pythagoras and prisms</b>			
Topics	DFM Key Skills	Revised?	
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		
<b>Content previously assessed in December (will make up a small part of the assessment)</b>			
<b>1. Indices and standard form</b>			
Topics	DFM Key Skills	Revised?	
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		
<b>2. Expressions and formulae</b>			
Topics	DFM Key Skills	Revised?	
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		
<b>4. Multiplicative reasoning</b>			
Topics	DFM Key Skills	Revised?	
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		

Additional Resources			
<b>Worksheets on Sharepoint</b> These include <b>most</b> 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.		<b>Youtube - Corbett Maths</b> Here you can find lots of videos on GCSE topics. Complete the questions as you watch the video.	
<b>Corbett Maths</b> Here you can find worksheets filtered by topic as well as written and video solutions		<b>Dr Frost</b> Use the Dr Frost numbers to the left to complete questions on these topics. You can also complete past paper questions on here too.	
<b>Set yourself up for success with assessments...</b>			
<b>Chapter Assessments</b>		<b>End of Term/Year Assessments</b>	
<b>Check up booklet</b> Complete the booklet, then go through it using the worked solutions. Use the front cover to help guide you through next steps.		<b>Topic list</b> Identify areas to work on. Start practising these Key Skills on DFM	
<b>Strengthen/Extend</b> Decide from your check up booklet which one to attempt first. Complete, ensuring full workings are done on paper/in your books. Use this to identify topics for further revision at home. Use resources from QR codes above to practise them.		<b>Key Skills HW on DFM</b> Two weeks before the test. Workings shown neatly in your book.	
<b>Test corrections (Really important to improve exam technique)</b> Use worked/video solutions to make any necessary corrections in green pen Ask your teacher if you still don't understand		<b>Pre-test and other resources given by teacher</b> Use these to identify topics for further revision at home. Use resources from QR codes above to practise them.	
<b>DFM key skills</b> 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			