Textbook 2.1 for 8M3, 8M4, 8M7, 8M8

Half-term 1 (7 weeks) approx. 21 lessons	Half-term 2 (7 weeks) approx. 21 lessons	Half-term 3 (6 weeks) approx. 18 lessons
Topic: **Number**	Topic: **Algebra**	Topic: **Geometry**
Chapters:	Chapters:	Chapters:
1 Working with numbers (6)	7 Graphs (6)	2 Geometry (4)
8 Simplifying Numbers (5)	10 Algebra (7)	6 Area (5)
12 Fractions and decimals (8)	15 Equations and formulae (5)	11 Congruence and scaling (4)
		14 Circles (3)
Revision (1)	Revision (2)	Revision (1)
Half-Term Test (1)	End of Term Test (1)	Test (1)
Total hours: 21	Total hours: 21	Total hours: 18
Starters to focus on:	Starters to focus on:	Starters to focus on:
General year 7 revision	Numbers, Fractions and decimals	Algebra

Half-term 4 (6 weeks) approx. 18 lessons	Half-term 5 (6 weeks) approx. 18 lessons	Half-term 6 (6 weeks) approx. 18 lessons
Topic: **Statistics and Probability** Chapters: 3 Probability (5) 9 Interpreting data (5) 16 Comparing data (5) Revision (2) Test (1) Total hours: 18 Starters to focus on: Geometry	Topic: **Percentages and proportion** Chapters: Revision of Fractions, decimals and percentages mixture (2) 8.5 Problem solving with decimals (1) 4 Percentages (5) 13 Proportion (4) Revision lessons for end of term exams (5) Exam (1) Total hours: 18 Starters to focus on: Statistics and Probability	Topic: **Sequences & Problem solving** Chapters: 5 Sequences (6) Feedback, Reteaching of core knowledge, Problem solving and Extensions tasks at the end of each chapter (12) Total hours: 18 Starters to focus on: General revision of this year's work

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Notes: *Some topics deliberately skipped (stand alone topics) will be addressed in the last half-term i.e. 8.5

Week	Lesson 1	Lesson 2	Lesson 3
Sept 1A	1.1 Adding and subtracting negative numbers	1.2 Multiplying and dividing negative numbers	1.3 Factors and highest common factors (HCF)
2B	1.2 1.4 Multiples and lowest common multiple (LCM)	1.5 Squares, cubes and roots	1.6 Prime factors
3A	8.1 Power of 10	8.2 Large numbers and rounding	8.3 Significant figures
4B	8.4 Estimating answers	8.4 Estimating answers cont'd	12.1 Adding and subtracting fractions
Oct 5A	12.1 Adding and subtracting fractions cont'd	12.2 Multiplying fractions and integers	12.2 Multiplying fractions and integers cont'd
6B	12.3 Dividing with integers and fractions	12.3 Dividing with integers and fractions	12.4 Multiplication with powers of 10
7A Y8 Test	12.5 Dividing with powers of 10	Revision	Test
Half Term			
Nov 8B	7.1 Rules with coordinates	7.2 Graphs from rules	7.3 Graphs from simple quadratic equations
9A	7.3 Graphs from simple quadratic equations cont'd	7.4 Distance-time graphs	7.4 Distance-time graphs cont'd
10B	10.1 Algebraic notation	10.2 Like terms	10.3 Expanding brackets
11A	10.4 Using algebra	10.4 Using algebra cont'd	10.5 Using powers
Dec 12B	10.5 Using powers cont'd	15.1 Equations	15.2 Equations with brackets

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13A	15.3 More complex equations	15.3 More complex equations cont'd	15.4 Substituting into formulae
14B Y8 Exams	Revision	Revision	Test
End of Autumn Term			
Jan 15A	2.1 Parallel and perpendicular lines	2.2 Angles in triangles and quadrilaterals	2.3 Translations
16B	2.4 Rotations	6.1 Area of a rectangle	6.2 Area of compound shapes
17A	6.3 Area of triangle	6.4 Area of parallelogram	6.4 Area of Parallelograms cont'd
18B	11.1 Congruent shapes	11.2 Shape and ratio	11.3 Scale diagrams
Feb 19A	11.3 Scale diagrams cont'd	14.1 The circle and its parts	14.2 Circumference of a circle
20B Y8 Test	14.3 A formula to work out the approximate circumference	Revision	Test
Half Term			
21A	3.1 Probability scales	3.2 Collecting data for a frequency table	3.3 Mixed events
Mar 22B	3.4 Using a sample space to calculate probabilities	3.5 Experimental probability	9.1 Information from charts
23A	9.2 Reading pie charts	9.3 Creating pie cgarts	9.4 Scatter graphs
24B	9.4 Scatter graphs cont'd	16.1 Frequency tables	16.2 The mean
25A	16.3 Drawing frequency diagrams	16.4 Comparing data	16.5 Which average to use
Apr 26B Y8 Test	Revision	Revision	Test
End of Spring Term			
27A	Revise Fractions and decimals	Revise fractions and decimals	Revise fractions and decimals

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28B	8.5 Problem solving with decimals	4.1 Calculating percentages	4.2 Calculating the result of a percentage change
May 29A	4.2 Calculating the result of a percentage change cont'd	4.3 Calculating a percentage change	4.3 Calculating a percentage change
30B	13.1 Direct proportion	13.2 Graphs and direct proportion	13.3 Inverse proportion
31A Y8 Exams	13.4 The difference between direct proportion and inverse proportion	Revision for end of year exams	Revision for end of year exams
32B Y8 Exams	Revision for end of year exams	Revision for end of year exams	Exam
Half Term			
June 33A	5.1 The Fibonacci sequence	5.1 The Fibonacci sequence	5.2 Algebra and function machines
34B	5.2 Algebra and function machines	5.3 The nth term of a sequence	5.3 The nth term of a sequence
35A	Feedback and Reteaching core knowledge	Feedback and Reteaching core knowledge	Feedback and Reteaching core knowledge
July 36B	Feedback and Reteaching core knowledge	Feedback and Reteaching core knowledge	Feedback and Reteaching core knowledge
37A	Feedback and Reteaching core knowledge	Feedback and Reteaching core knowledge	Problem solving and Extension
38B	Problem solving and Extension	Problem solving and Extension	Problem solving and Extension
39A	Problem solving and Extension	Problem solving and Extension	Problem solving and Extension
End of Summer Term			