

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

Half-term 4 (6 weeks) approx. 18 lessons	Half-term 5 (6 weeks) approx. 18 lessons	Half-term 6 (6 weeks) approx. 18 lessons
<p>Topic: Statistics and Probability</p> <p>Chapters: 3 Probability (5) 9 Interpreting data (5) 16 Comparing data (4) Revision (3) Test (1)</p> <p>Total hours: 18</p> <p><u>Starters to focus on:</u> Geometry</p>	<p>Topic: Percentages and proportion</p> <p>Chapters: 4 Percentages (6) 13 Proportion (4) Revision of Fractions, decimals and percentages mixture (2) Revision lessons for end of term exams (5) Exam (1)</p> <p>Total hours: 18</p> <p><u>Starters to focus on:</u> Statistics and Probability</p>	<p>Topic: Constructions, sequences, area of circle, problem solving</p> <p>Chapters: 2.5 Constructions (2) 5 Sequences (5) 14.4 Formula for the area of a circle (2) Problem solving – tasks at the end of each chapter (9)</p> <p>Total hours: 18</p> <p><u>Starters to focus on:</u> General revision of this year's work</p>

Notes: *Some topics will be addressed in the last half-term i.e. 2.5, 14.4

Week	Lesson 1	Lesson 2	Lesson 3
Sept 1A	1.1 Multiplying and dividing negative numbers	1.2 Factors and highest common factors (HCF)	1.3 Lowest common multiples (LCM)
2B	1.2 1.4 Powers and roots	1.5 Prime factors	8.1 Powers of 10
3A	8.2 Large numbers and rounding	8.3 Significant figures	8.4 Standard form with large numbers
4B	8.4 Standard form with large numbers	8.5 Multiplying with numbers in standard form	12.1 Adding and subtracting fractions
Oct 5A	12.1 Adding and subtracting with fractions	12.2 Multiplying fractions and integers	12.2 Multiplying fractions and integers
6B	12.3 Dividing with integers and fractions	12.3 Dividing with integers and fractions	12.4 Multiplication with large and small numbers
7A Y8 Test	12.5 Division with large and small numbers	Revision	Test
Half Term			
Nov 8B	7.1 Graphs from linear equations	7.2 Gradient (steepness) of a straight line	7.3 Graphs from simple quadratic equations
9A	7.3 Graphs from simple quadratic equations	7.4 Real-life graphs	7.4 Real-life graphs
10B	10.1 Algebraic notation	10.2 Like terms	10.3 Expanding brackets
11A	10.4 Using algebraic expressions	10.4 Using algebraic expressions	10.5 Using index notation
Dec 12B	10.5 Using index notation	15.1 Equations with brackets	15.2 Equations with the variable on both sides

Week	Lesson 1	Lesson 2	Lesson 3
13A	15.3 More complex equations	15.3 More complex equations	15.4 Rearranging formulae
14B Y8 Exams	Revision	Revision	Test
End of Autumn Term			
Jan 15A	2.1 Angles in parallel lines	2.2 The geometric properties of quadrilaterals	2.3 Rotation
16B	2.4 * Translations	6.1 Area of a triangle	6.2 Area of a parallelogram
17A	6.3 Area of a trapezium	6.4 Surface of of cubes and cuboids	6.4 Surface of of cubes and cuboids
18B	11.1 Congruent shapes	11.2 Enlargements	11.3 Shape and ratio
3Feb 19A	11.4 Scales	14.1 The circle and its parts	14.2 Circumference of a circle
20B Y8 Test	14.3 * Formula for the circumference of a circle	Revision	Test
Half Term			
21A	3.1 Probability scales	3.2 Mutually exclusive events	3.3 Using a sample space to calculate probabilities
Mar 22B	3.4 Experimental probability	3.4 Experimental probability	9.1 Pie charts
23A	9.2 Creating pie charts	9.3 Scatter graphs and correlation	9.4 Creating scatter graphs
24B	9.4 Creating scatter graphs	16.1 Grouped frequency tables	16.2 Drawing frequency diagrams
25A	16.3 Comparing data	16.4 Which average to use	Revision
Apr 26B Y8 Test	Revision	Revision	Test
End of Spring Term			
27A	Revise Fractions and decimals	Revise fractions and decimals	Revise fractions and decimals

Week	Lesson 1	Lesson 2	Lesson 3
28B	4.1 Calculating percentages	4.1 Calculating percentages	4.2 Calculating percentage increases and decreases
May 29A	4.2 Calculating percentage increases and decreases	4.3 Calculating a change as a percentage	4.3 Calculating a change as a percentage
30B	13.1 Direct proportion	13.2 Graphs and direct proportion	13.3 Inverse proportion
31A Y8 Exams	13.4 Comparing 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	2.5 Constructions	2.5 Constructions	5.1 Using flow diagrams to generate sequences
34B	5.2 The n th term of a sequence	5.2 The n th term of a sequence	5.3 Working out the n th term of a sequence
35A	5.3 Working out the n th term of a sequence	5.4 The Fibonacci sequence`	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	Feedback and Reteaching core knowledge
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			