

	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Key Learning covered this term:	1 Number properties and calculations	3 Statistics	5 Decimal calculations	7 Number properties	8 Sequences	10 Probability
	1.1 Adding and subtracting with larger numbers	Pi 3: 3.1 Planning a survey	5.1 Adding and subtracting decimals	7.1 Squares, cubes and roots	8.1 Generating sequences	10.1 The language of probability
	1.2 More calculations	3.1 Data collection sheets	5.2 Multiplying decimals	7.2 Calculating with brackets and indices	8.2 Extending sequences	10.2 Outcomes
	1.3 Negative numbers	3.2 Interpreting bar charts	5.3 Ordering and rounding decimals	7.3 LCM and HCF	8.3 Special sequences	10.3 Probability calculations
	1.4 STEM: Writing ratios	3.3 Drawing bar charts	5.4 STEM: Problem-solving with decimals	7.4 Prime factor decomposition	8.4 Position-to-term rules	10.4 Experimental probability
	1.5 Using ratios to solve problems	3.4 STEM: Pie charts	6 Angles		8.5 Finding the nth term	10.5 FINANCE: Comparing probabilities
	1.6 Multiplicative reasoning	4 Expressions and equations	6.1 Measuring and drawing angles		9 Fractions and percentages	
	2 Shapes and measures in 3D	4.1 Simplifying expressions	6.2 Vertically opposite angles		9.1 Comparing fractions	
	2.1 3D solids	4.2 Functions	6.3 Angles in triangles		9.2 Fractions of amounts	
	2.2 Nets of 3D solids	4.3 Solving equations	6.4 Drawing triangles accurately		9.3 Adding and subtracting fractions	
	2.3 Surface area	4.4 Using brackets	6.5 Designing nets		9.4 Fractions and percentages	
	2.4 Volume				9.5 Calculating percentages	
	2.5 Working with measures				9.6 STEM: Percentages and proportion	
Assessment will be	Pre and post topic test. Half term test 45min. 19 question written test out of 40 marks	Pre and post topic test. End of term test 45min. 25 question written test out of 55 marks	Pre and post topic test. Half term test 45min. 21 question written test out of 40 marks	Pre and post topic test. End of term test 45min. 27 question written test out of 55 marks	Pre and post topic test. Half term test 45min. 21 question written test out of 40 marks	Pre and post topic test. End of year exam. Two 1hour papers- non-calculator and calculator totalling out of 100 marks
Revision & How to prepare	Link to Frog for resources/websites to revise websites. online– Mymaths, Pixl maths app, samlearning corbettmaths. Mathsgenie,. mathswatch, all have online activities with worksheets paired for self assessment					
Further Reading	Names of texts Pearsons- KS3 Maths Progress pi two/three http://www.pearsonschoolsandcolleges.co.uk/Secondary/Mathematics-support/Schemes-of-Work/GCSE-Schemes-of-Work.aspx 2 year KS3 3 year GCSE Scheme of Work, low attainer					

	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Key Learning covered this term:	1 Factors and powers	3 2D shapes and 3D solids	5 Transformations	7 Constructions and loci	8 Probability	10 Graphs
	1.1 Prime factor decomposition	3.1 Plans and elevations	5.1 Reflection and translation	7.1 Accurate drawings	8.1 Comparing probabilities	10.1 Plotting linear graphs
	1.2 Laws of indices	3.2 Surface area of prisms	5.2 Rotation	7.2 Constructing shapes	8.2 Mutually exclusive events	10.2 The gradient
	1.3 STEM: Powers of 10	3.3 Volume of prisms	5.3 Enlargement	7.3 Constructions 1	8.3 Estimating probability	10.3 $y = mx + c$
	1.4 Calculating and estimating	3.4 Circumference of a circle	5.4 More enlargement	7.4 Constructions 2	8.4 Experimental probability	10.4 Parallel and perpendicular lines
	2 Working with powers	3.5 Area of a circle	5.5 STEM: Combining transformations	7.5 Loci	8.5 Probability diagrams	10.5 Inverse functions
	2.1 simplifying expressions	3.6 Cylinders	5.6 2D shapes and 3D solids		8.6 Tree diagrams	10.6 STEM: Non-linear graphs
	2.2 More simplifying	3.7 Pythagoras' theorem	6 Fractions, decimals and percentages		9 Scale drawings and measures	
	2.3 Expanding and simplifying	4 Real life graphs	6.1 Recurring decimals		9.1 Maps and scales	
	2.4 Substituting and solving	4.1 Direct proportion	6.2 Using percentages		9.2 Bearings	
		4.2 FINANCE: Interpreting financial graphs	6.3 Percentage change		9.3 Scales and ratio	
		4.3 Distance-time graphs	6.4 FINANCE: Repeated percentage change		9.4 Congruent and similar shapes	
		4.4 Rates of change			9.5 Solving geometry problems	
		4.5 Misleading graphs				
Assessment will be	Pre and post topic test. Half term test 45min. 11 question written test out of 43 marks	Pre and post topic test. End of term test 45min. 16 question written test out of 54 marks	Pre and post topic test. Half term test 45min. 12 question written test out of 35 marks	Pre and post topic test. End of term test 45min. 15 question written test out of 43 marks	Pre and post topic test. Half term test 45min. 9 question written test out of 36 marks	Pre and post topic test. End of year exam. Two 1hour papers- non-calculator and calculator totalling out of 100 marks
Revision & How to prepare	Link to Frog for resources/websites to revise websites. online– Mymaths, Pixl maths app, samlearning corbettmaths. Mathsgenie,. mathswatch, all have online activities with worksheets paired for self assessment					
Further Reading	Names of texts Pearsons- KS3 Maths Progress Delta two/three http://www.pearsonschoolsandcolleges.co.uk/Secondary/Mathematics-support/Schemes-of-Work/GCSE-Schemes-of-Work.aspx 2 year KS3 3 year GCSE Scheme of Work, high attainer					

	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Key Learning covered this term:	1 Number	4 Expressions and equations	6 Decimals and ratio	8 Calculating with fractions	9 Straight-line graphs	3 Statistics, graphs and charts
	1.1 Calculations	4.1 Algebraic powers	6.1 Ordering decimals and rounding	8.1 Adding and subtracting fractions	9.1 Direct proportion on graphs	Theta 3 lesson 3.1 Planning a survey
	1.2 Calculating with negative integers	4.2 Expressions and brackets	6.2 Place-value calculations	8.2 Multiplying fractions	9.2 Gradients	Theta 3 lesson 3.2 Collecting data
	1.3 Powers and roots	Theta 3: 2.2 Writing expressions and formulae	6.3 Calculations with decimals	8.3 Fractions, decimals and reciprocals	9.3 Equations of straight lines	3.1 Pie charts
	1.4 Powers, roots and brackets	4.3 Factorising expressions	6.4 Ratio and proportion with decimals	8.4 Dividing fractions	9.4 STEM: Direct proportion problems	3.2 Using tables
	Theta 3: 2.1 Substituting into expressions	4.4 One-step equations	6.5 STEM: Using ratios	8.5 Calculating with mixed numbers	10 Percentages, decimals and fractions	3.3 Stem and leaf diagrams
	1.5 Multiples and factors	4.5 Two-step equations	7 Lines and angles		10.1 Fractions and decimals	3.4 Comparing data
	2 Area and volume	4.6 The balancing method	7.1 Quadrilaterals		10.2 Equivalent proportions	3.5 Scatter graphs
	2.1 Area of a triangle	5 Real-life graphs	7.2 Alternate angles and proof		10.3 Writing percentages	3.6 FINANCE: Misleading graphs
	2.2 Area of a parallelogram and trapezium	5.1 Conversion graphs	7.3 Geometrical problems		10.4 Percentages of amounts	
	2.3 Volume of cubes and cuboids	5.2 Distance-time graphs	7.4 Exterior and interior angles		10.5 FINANCE: Solving problems	
	2.4 3D shapes	5.3 Line graphs	7.5 Solving geometric problems			
	2.5 Surface area of cubes and cuboids	5.4 Complex line graphs				
	2.6 Problems and measures	5.5 STEM: Graphs of functions				
	5.6 More real-life graphs					
Assessment will be	Pre and post topic test. Half term test 45min. 15 question written test out of 43 marks	Pre and post topic test. End of term test 45min. 18 question written test out of 55 marks	Pre and post topic test. Half term test 45min. 11 question written test out of 35 marks	Pre and post topic test. End of term test 45min. 15 question written test out of 43 marks	Pre and post topic test. Half term test 45min. 11 question written test out of 30 marks	Pre and post topic test. End of year exam. Two 1hour papers- non-calculator and calculator totalling out of 100 marks
Revision & How to prepare	Link to Frog for resources/websites to revise websites. online– Mymaths, Pixl maths app, samlearning corbettmaths. Mathsgenie,. mathswatch, all have online activities with worksheets paired for self assessment					

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