

	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	2 Algebra	3 Graphs, tables and charts	5 Equations, inequalities and sequences	6 Angles	8 Perimeter, area and volume 1
	1.1 Calculations	2.1 Algebraic expressions	3.1 Frequency tables	5.1 Solving equations 1	6.1 Properties of shapes	8.1 Rectangles, parallelograms and triangles
	1.2 Decimal numbers	2.2 Simplifying expressions	3.2 Two-way tables	5.2 Solving equations 2	6.2 Angles in parallel lines	8.2 Trapezia and changing units
	1.3 Place value	2.3 Substitution	3.3 Representing data	5.3 Solving equations with brackets	6.3 Angles in triangles	8.3 Area of compound shapes
	1.4 Factors and multiples	2.4 Formulae	3.4 Time series	5.4 Introducing inequalities	6.4 Exterior and interior angles	8.4 Surface area of 3D solids
	1.5 Squares, cubes and roots	2.5 Expanding brackets	3.5 Stem and leaf diagrams	5.5 More inequalities	6.5 More exterior and interior angles	8.5 Volume of prisms
	1.6 Index notation	2.6 Factorising	3.6 Pie charts	5.6 More formulae	6.6 Geometrical patterns	8.6 More volume and surface area
	1.7 Prime factors	2.7 Using expressions and formulae	3.7 Scatter graphs	5.7 Generating sequences	7 Averages and range	
			3.8 Line of best fit	5.8 Using the nth term of a sequence	7.1 Mean and range	
			4 Fractions and percentages		7.2 Mode, median and range	
		4.1 Working with fractions		7.3 Types of average		
		4.2 Operations with fractions		7.4 Estimating the mean		
		4.3 Multiplying fractions		7.5 Sampling		
		4.4 Dividing fractions				
		4.5 Fractions and decimals				
		4.6 Fractions and percentages				
		4.7 Calculating percentages 1				
		4.8 Calculating percentages 2				
Assessment will be	Pre and post topic test.	Pre and post topic test. Term 1 assessment 60 min. 21 question written test out of 50 marks	Pre and post topic test.	Pre and post topic test. Term 2 assessment 60 min. 13 question written test out of 50 marks	Pre and post topic test.	Pre and post topic test. Term 2 assessment 60 min. 17 question written test out of 50 marks
	End of year exam. – 3 papers 1½ hours 80 marks each. 1x non-calculator, 2x Calculator					
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- GCSE 9-1 Foundation http://www.pearsonschoolsandfecolleges.co.uk/Secondary/Mathematics-support/Schemes-of-Work/GCSE-Schemes-of-Work.aspx 2 year KS3 3 year GCSE 9-1 Scheme of Work, foundation GCSE					

	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	2 Algebra	3 Interpreting and representing data	5 Angles and trigonometry	6 Graphs	8 Transformations and constructions
	1.1 Number problems and reasoning	2.1 Algebraic indices	3.1 Statistical diagrams 1	5.1 Angle properties of triangles and quadrilaterals	6.1 Linear graphs	8.1 3D solids
	1.2 Place value and estimating	2.2 Expanding and factorising	3.2 Time series	5.2 Interior angles of a polygon	6.2 More linear graphs	8.2 Reflection and rotation
	1.3 HCF and LCM	2.3 Equations	3.3 Scatter graphs	5.3 Exterior angles of a polygon	6.3 Graphing rates of change	8.3 Enlargement
	1.4 Calculating with powers (indices)	2.4 Formulae	3.4 Line of best fit	5.4 Pythagoras' theorem 1	6.4 Real-life graphs	8.4 Transformations and combinations of transformations
	1.5 Zero, negative and fractional indices	2.5 Linear sequences	3.5 Averages and range	5.4 Pythagoras' theorem 1	6.5 Line segments	8.5 Bearings and scale drawings
	1.6 Powers of 10 and standard form	2.6 Non-linear sequences	3.6 Statistical diagrams 2	5.6 Trigonometry 1	6.6 Quadratic graphs	8.6 Constructions 1
	1.7 Surds	2.7 More expanding and factorising	4 Fractions, ratio and percentages	5.7 Trigonometry 2	7 Area and volume	8.7 Constructions 2
			4.1 Fractions		7.1 Perimeter and area	8.8 Loci
			4.2 Ratios		7.2 Units and accuracy	
		4.3 Ratio and proportion		7.3 Prisms		
		4.4 Percentages		7.4 Circles		
		4.5 Fractions, decimals and percentages		7.5 Sectors of circles		
				7.6 Cylinders and spheres		
				7.7 Pyramids and cones		
Assessment will be	Pre and post topic test.	Pre and post topic test. Term 1 assessment 60 min. 17 question written test out of 50 marks	Pre and post topic test.	Pre and post topic test. Term 2 assessment 60 min. 12 question written test out of 50 marks	Pre and post topic test.	Pre and post topic test. Term 2 assessment 60 min. 14 question written test out of 50 marks
	End of year exam. – 3 papers 1½ hours 80 marks each. 1x non-calculator, 2x Calculator					
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Further Reading	Names of texts Pearsons- GCSE 9-1 Higher http://www.pearsonschoolsandcolleges.co.uk/Secondary/Mathematics-support/Schemes-of-Work/GCSE-Schemes-of-Work.aspx 2 year KS3 3 year GCSE 9-1 Scheme of Work, Higher GCSE					