

		Autumn Term		Spring Term		Summer Term	
	Topic	Calculating	Visualising and	Proportional reasoning	Solving equations and	Algebraic proficiency:	Understanding risk
	Big question /	Calculate with roots and integer	constructing 2	Change freely between	inequalities I	visualising	Use tree diagrams to list
	Overview	indices.	(constructions)	compound units. Solve	Solve linear inequalities.	Understand and use the	outcomes.
			Use ruler and compass	problems involving similar	Calculating space	gradient of a straight line.	
			method to construct bisectors.	shapes.	Caculate exactly with	Plot and interpret graphs of	Presentation of Data
		Visualising and constructing			multiples of $\pi$ . Apply	quadratic functions.	Construct and interpret
		1 (bearings)	Algebraic proficiency:	Pattern sniffing	Pythagoras' theorem in two	inequalities II	graphs.
		Explore and understand scale	tinkering	Explore and generate Fibonacci	dimensions.	Solve two linear	
		drawing and maps.	Manipulating algebraic	sequence and quadratic	Conjecturing	simultaneous equations	
			expressions.	sequences.	Use geometrical reasoning	algebraically and graphically.	
	<u> </u>	Desklass ach in a invah in a	Desklass and in a lower bin a	Deservices and such laws	to construct simple proofs.	Desklass and in a low obligation	Democratic e en d
	Disciplinary	Problem solving involving	Problem solving involving	Reasoning and problem-	Developing skills to solve	Problem solving involving	Representing and
	knowledge/skills	checking and approximating.	constructions.	solving involving proportion	simple and complex	gradient and intercepts.	Interpreting data - using
		Decession and muchleur		and compound units of	linear inequalities.	Developing skills to eak	tree diagrams, time
		Reasoning and problem	Problem solving involving	measure.	Duchlass coluins and		series, compound bar
		solving with scale factor and	multiplying inear			simultaneous equations.	diagrams and coattor
		bearings	expressions and factorising	exploring Fibonacci type			diagrams
			a quadratic expression.		longths area and angles		ulagranis.
	Nouveeebulen	Power	Compasses	Direct proportion	(Linear) inequality	Function equation	Outcome, equally likely
	New vocabulary	Root	Arc	Inverse proportion	Unknown	Quadratic, cubic, reciprocal	outcomes
Voar		Index, Indices	Line segment	Multiplier	Manipulate	Gradient, y-intercept, x-	Event, independent event,
		Standard form	Perpendicular	Linear	Solve	intercept, root	dependent event
9		Inequality	Bisect	Congruent, Congruence	Solution set	Sketch, plot	Tree diagrams
Stage 0		Truncate	Perpendicular bisector	Similar, Similarity	Integer	Kinematic	Theoretical probability
Stage 5		Round	Locus, Loci	Compound unit		Speed, distance, time	Experimental probability
		Interval	Flevation	Pressure	Circle Di	Linear non-linear	Random Bias unbiased fair
		Decimal place			Radius diameter chord	Parabola. Asymptote	Relative frequency
		Significant figure	Inoquality		circumference, arc. tangent.	Rate of change	Enumerate
			Identity	Term	sector, segment		Set
			Equivalent	Term-to-term rule	(Right) prism, cylinder	Equation	Categorical data, Discrete
		Similar, Similarity	Equation	Position-to-term rule	Cross-section	Simultaneous equation	data
		Enlarge, enlargement	Formula, Formulae	nth term	Hypotenuse	Variable	Continuous data, Grouped
		Scaling Scale factor	Expression	Generate	Pythagoras' theorem	Fliminato	
		Centre of enlargement	Expand	Linear	Congruent	Solve	Time series
		Object	Linear	First (second) difference	Similar (shapes)	Derive	Compound bar chart
		Image	Quadratic	Fibonacci number	Hypotenuse	Interpret	Scatter graph (scatter
		Scale drawing		Fibonacci sequence	Conjecture		diagram, scattergram,
		Bearing			Derive		scatter plot)
		Plan, Elevation			Prove, proof		Bivariate data
					Counterexample		(Linear) Correlation
							Negative correlation
							Line of best fit
							Interpolate
							Extrapolate
			L			l	Trend