WC 2nd Sep	WC 16th Sep	WC 30th Sep	WC 7th Oct	WC 21st Oct	WC 18th Nov	WC 25th Nov	WC 16th Dec
Straight line graphs	Forming and solving equations	Assessments and Consolidation	Testing conjectures	Three dimensional shapes	Assessments and Consolidation2	Constructions and Congruency	Consolidation and Christmas Activities
Lines parallel to the axis, y=x and y=-x (R.)- Using tables of values (R.) Compare gradients -Compare intercepts - Understand and use y=mx+c	One and two-step equations and inequalities (R.)	Consolidate Lesson	Factors, multiples and primes (R.) - True or false	Know names of 2D and 3D shapes - Recognise prisms (including language of edges and vertices)	Consolidate Lesson	Locus of distance from a point	
	Equations and inequalities with brackets (R.)	End of Block Assessment Unit 1 and 2	Always, sometimes, never true	Accurate nets of cuboids and other 3D shapes - Sketch and recognise nets of cuboids and other 3D shapes	End of Block Assessment Unit 3 and 4	Locus of distance from a straight line	
Write an equation in the form y=mx+c (H)	Inequalities with negative numbers		Show that	Plans and elevations	Draw and measure angles (R.) - Construct and interpret scale drawings (R.)	Locus equidistant from two points	
Find the equation of a line from a graph	Solve equations with unknowns on both sides - Solve inequalities with unknowns on both sides		Conjectures about number	Half Term		Construct a perpendicular bisector	
Interpret gradients and intercepts of real-life graphs	Equations and inequalities in other mathematical contexts - Formulae and equations		Expand a pair of binomials	Find area of 2D shapes (R.) - Surface area of cubes and cuboids		Construct a perpendicular from a point	
Model real-life graphs involving inverse proportion (H)	Rearrange formulae (one-step) - Rearrange formulae (two-step)		Conjectures with algebra	Surface area of triangular prisms		Construct a perpendicular to a point	
Explore perpendicular lines (H)	**Rearrange complex formulae (H)**		**Expand three binomials (H)**	Surface area of a cylinder		Locus of distance from two lines	
				Volume of cubes and cuboids		Construct an angle bisector	
				Volume of other 3D shapes - prisms and cylinders		Construct triangles from given information (R)	
				Consolidate Lesson		Explore congruent triangles - Identify congruent triangles	
				Explore volumes of cones, pyramids and spheres (H)			

Christmas Break	WC 6th Jan	WC 20th Jan	WC 3rd Feb	WC 10th Feb	WC 3rd Mar	WC 10th Mar	WC 17th Mar
	Numbers	Using percentages	Assessments and Consolidation3	Maths and money	Deduction	Assessments and Consolidation4	Rotation and translation
	Integers, real and rational numbers - **Understand and use surds (H)**	Use the equivalence of fractions, decimals and percentages (R.)	Consolidate Lesson	Calculate simple interest - Calculate compound interest	Solve angle problems using chains of reasoning	Consolidate Lesson	Identify the order of rotational symmetry of a shape - Compare and contrast rotational symmetry with line symmetry
	Work with directed number (R.)	Calculate percentage increase and decrease (R.) - Express a change as a percentage (R.)	End of Block Assessment Unit 1 and 2	Solve problems with Value Added Tax	Angle problems with algebra	End of Block Assessment Unit 1 and 2	Rotate a shape about a point on a shape - Rotate a shape about a point not on a shape
	Solve problems with integers - Solve problems with decimals	Solve reverse percentage problems	**(Next Unit)** Solve problems with bills and bank statements	Calculate wages and taxes	Conjectures with angles		Translate points and shapes by a given vector
	HCF and LCM (R.)	Recognise and solve percentage problems (non-calculator)		Half Term	Conjectures with shapes - **Link constructions and geometrical reasoning (H)** ***(Continue next week)***		Compare rotation and reflection of shapes - **Find the result of a series of transformations (H)**
	Adding and subtracting fractions (R.) - Multiplying and dividing fractions (R.)	Recognise and solve percentage problems (calculator)		Solve problems with exchange rates			**Continue next unit - First Two Lessons**
	Numbers in standard form (R.) **(Continue next week)**	**Solve problems with repeated percentage change (H)**		Solve unit pricing problems			
				(Next Unit) Angles in parallel lines (R.)			

WC 24th Mar	WC 31st Mar	Easter	WC 21st Apr	WC 28th Apr	WC 12th May	WC 19th May	WC 9th Jun
Pythagoras' Theorem	Assessments and Consolidation5	Break2	Enlargement & similarity	Solving ratio & proportion problems	Assessments and Consolidation6	Rates	Probability
Squares and square roots (R.) - Identify the hypotenuse of a right-angled triangle	Consolidate Lesson		Recognise enlargement and similarity - Enlarge a shape by a positive integer scale factor	Solve problems with direct proportion (R.)	Consolidate Lesson	Solve speed, distance and time problems without a calculator	Single event probability (R.)
Determine whether a triangle is right-angled - Calculate the hypotenuse of a right-angled triangle	End of Block Assessment Unit 3 and 4 (Self-Assessed)		Enlarge a shape by a positive integer scale factor from a point	Direct proportion and conversion graphs (R.)	End of Block Assessment Unit 1 and 2	Solve speed, distance and time problems with a calculator	Relative frequency - including convergence
Calculate missing sides in right-angled triangles	Easter Activities		Enlarge a shape by a positive fractional scale factor	Solve problems with inverse proportion		Use distance-time graphs	Expected outcomes
Use Pythagoras' theorem on coordinate axes			**Enlarge a shape by a negative scale factor (H)**	**Graphs of inverse relationships (H)**		Half Term	Independent events
Explore proofs of Pythagoras' theorem			Work out missing sides and angles in a pair of given similar shapes **(Continue Next Week)**	Solve ratio problems given the whole or a part (R.)		Solve problems with density, mass and volume	Use diagrams to work out probabilities
Use Pythagoras' theorem in 3D shapes (H)			**Solve problems with similar triangles (H)**	Solve best buy problems		Solve flow problems and their graphs	**Use tree diagrams (H)**
			Explore ratios in right-angled triangles (H)	**Solve problems involving ratio and algebra (H)**		Rates of change and their units	**Use tree diagrams to solve without replacement problems (H)**
						Convert compound units **(Continue Next Week)**	

WC 23rd Jun	WC 30th Jun	WC 7th Jul	WC 14th Jul	WC 21st Jul
Assessments and Consolidation7	Algebraic Representation	Assessments and Consolidation8	Assessments and Consolidation9	End of Summer Activities
Consolidate Lesson	Draw and interpret quadratic graphs	Revsision (No HW - Revision Tasks on MW)	Revsision (No HW - Revision Tasks on MW)	End of Summer Activities
End of Block Assessment Unit 3 and 4	Interpret graphs, including reciprocal and piece-wise		EOY Test	
	Investigate graphs of simultaneous equations (H)			
	Represent inequalities			