

	Week Commencing	7th September	14th September	21st September	28th September	5th October	12th October	19th October
Autumn 1	Topic	Expressions and formulae						
		Substitution involving small powers, solving equations	Simplify expressions involving powers and brackets	Apply index laws including negative powers	Factorising	Expand brackets and collect like terms	Changing subject of formula	Algebraic fraction calculations
	Weekly Review							

	Week Commencing	2nd November	9th November	16th November	23rd November	30th November	7th December	14th December
Autumn 2	Topic	Data			Transformations		Multiplicative reasoning	
		Identify key aspects of sampling and data collection, design and record discrete and continuous	Construct and use frequency polygons, estimate of mean	Scatter graphs	Line and rotational symmetry	Identify four main transformations and combined	Solve problems using compound measures	Calculate percentage change using the formula
	Weekly Review							

	Week Commencing	4th January	11th January	18th January	25th January	1st February	8th February	
Spring 1	Topic	Constructions			Equations, inequalities and proportionality			
		Constructions using compass and ruler	Analyse 3D shapes, plans and elevations	Construct and solve equations including variables on both sides	Solve linear inequalities and represent on a number line	Use trial and improvement to 1dp	Simultaneous equations	
	Weekly Review							

	Week Commencing	22nd February	29th February	7th March	14th March	21st March		
Spring 2	Topic	Circles, Pythagoras and prisms						
		Identify parts of circles, circumference and area		Pythagoras		Volume and surface area of a prism		
	Weekly Review							

	Week Commencing	11th April	18th April	25th April	2nd May	9th May	16th May	23rd May	
Summer 1	Topic	Sequences and graphs				Probability			
		Create nth term using arithmetic sequence, including position to term rule, generate next term in quadratic sequence, recognise geometric sequences		Calculate and interpret $y = mx + c$	Plot graphs of quadratic functions and simultaneous equations	Calculate probabilities from two way tables	Expectation, Venn diagrams, and independent events	Compare experimental and theoretical probabilities including probability trees	
	Weekly Review								

	Week Commencing	6th June	13th June	20th June	27th June	4th July	11th July	18th July
Summer 2	Topic	Comparing shapes						
		Trigonometry			Congruence and similarity in triangles and quadrilaterals			Review before transition
	Weekly Review							