

Time Period	Autumn Term		Spring Term		Summer Term	
Content	<ul style="list-style-type: none"> Area and circumference of circles Ratio and proportion Angles and polygons Pythagoras's theorem Algebraic manipulation 	<ul style="list-style-type: none"> Collect/represent data Decimal numbers Equations and formulae Surface area and volume of 3D shapes 	<ul style="list-style-type: none"> Distance, speed and time Coordinates and linear graphs Laws of Indices Standard Form 	<ul style="list-style-type: none"> Percentages Sequences Scatter graph Compass and ruler constructions 	<ul style="list-style-type: none"> Quadratic graphs Transformations Fractions Averages - statistical measures 	<ul style="list-style-type: none"> Similar triangles Revision of key topics
Skills	<p>Number solve problems using estimation and rounding (to d.p. and sf), work with positive and negative powers of ten</p> <p>Ratio, proportion and rates of change simplify ratios, share an amount in a ratio, solve problems with real life context e.g. recipe questions, best buy and currency exchange, use the unitary method to solve problems</p> <p>Algebra collect like terms, form expressions, expand brackets, simple factorisation, substitute into expressions and formulae, solve simple linear equations and complex equations involving brackets and unknown on both sides</p> <p>Geometry calculate area and circumference of circles, use basic angle facts and angle facts in parallel lines and polygons to solve problems, using Pythagoras's theorem in right-angled triangles calculate the surface area and volume of prisms, including a cylinder, perform compass and ruler constructions (e.g. line and angle bisectors)</p> <p>Probability and statistics solve problems on simple probability, use two way tables to solve problems/collect data, use Venn diagrams to calculate probability, work out and compare data using averages and range</p>		<p>Number laws of indices excluding fractional and negative powers, work with standard form (positive and negative powers of ten), multiply and divide numbers in standard form using a calculator</p> <p>Ratio, proportion and rates of change distance, speed and time calculations, use multipliers to solve percentage increase/decrease problems, calculating simple interest</p> <p>Algebra generate sequences from nth term and find the nth term of linear sequences, recognise and plot equations of vertical/horizontal/diagonal lines, calculate the gradient from a graph, identify the gradient and y-intercept from an equation, work out the equation of a line from the graph, work out the midpoint of a line segment</p> <p>Geometry</p>		<p>Number add, subtract, multiply, divide fractions and mixed numbers</p> <p>Ratio, proportion and rates of change solve real life problems involving ratios, fractions and percentages</p> <p>Geometry Plotting of quadratic graphs and recognising turning points and roots, translate, reflect, rotate, enlarge 2D shapes on a pair of coordinate axes, recognise and work with scale factors in similar triangles</p> <p>Probability and statistics draw and interpret scatter graphs, work out averages from grouped data</p>	
Assessment week and content	wb 10 th November 2025 Area and circumference of circles, Ratio and proportion, Angles and polygons, Algebraic manipulation, Pythagoras's theorem, Using data, Decimal Numbers (students will also be give a topic list with reference to MathsWatch clips to support them with revision)		wb 2 nd February 2026 Equations and formulae, Surface area and volume of 3D shapes, Distance, speed and time, Laws of Indices, Standard Form, Compass and ruler constructions, Sequences, Coordinates and linear graphs (students will also be give a topic list with reference to MathsWatch clips to support them with revision)		wb 20 st April 2026 All the content covered over the year (students will also be give a topic list with reference to MathsWatch clips to support them with revision)	