

Time of year	Year 7	Year 8	Year 9	Year 10	Year 11
Autumn 1	Place value & ordering, Integers and decimals Problem solving with addition and subtraction Problem solving with multiplication and division	Ratio and scale Multiplicative change Multiplying & dividing fractions Number Sense	Straight-line graphs Forming and solving equations Testing conjectures	Congruence, similarity and enlargement Trigonometry Probability	Gradients and lines Non-linear graphs Using graphs
Autumn 2	Operations and equations with directed number Prime numbers and proof Fractions and percentages of amounts	Working in the Cartesian plane Collecting and representing data Tables and probability	Three dimensional shapes Constructions and congruency	Representing solutions of equations and inequalities Simultaneous equations	Expanding and factorising Changing the subject Functions
Spring 1	Sequences Addition and subtraction of fractions	Brackets, equations and inequalities Sequences Indices	Numbers Using percentages Maths and money	Angles and bearings Working with circles Vectors	Multiplicative reasoning Geometric reasoning
Spring 2	Fractions, decimals and percentages Equality and equivalence	Fractions and percentages Standard index form	Deduction Rotation and translations Pythagoras' Theorem	Ratios and fractions Percentages and interest	Algebraic reasoning Transformations and constructions Revision

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Summer 1	<p>Understand and use algebraic notation</p> <p>Constructing, measuring and using geometric notation</p>	<p>Angles in parallel lines and polygons</p> <p>Areas of trapezia and circles</p> <p>Line symmetry and reflection</p>	<p>Enlargement and similarity</p> <p>Solving ratio and proportion problems</p> <p>Rates</p>	<p>Collecting, representing and interpreting data</p> <p>Non-calculator methods</p> <p>Types of number and sequences</p>	<p>Revision</p> <p>External examinations</p>
Summer 2	<p>Developing geometric reasoning</p> <p>Developing number sense</p> <p>Sets and probability</p>	<p>The data handling cycle</p> <p>Measures of location</p>	<p>Probability</p> <p>Understand and use</p> <p>Algebraic representation</p>	<p>Indices and roots</p> <p>Understand and use</p> <p>Manipulating expressions</p>	<p>External examinations</p>