









	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 7	<ul> <li>Fractional thinking</li> <li>Probability</li> <li>Factors, multiples, primes</li> <li>Fractions (+/-)</li> </ul>	Algebraic thinking <ul> <li>Directed number</li> <li>Manipulating algebra</li> <li>Exploring sequences</li> </ul>	Proportiona o Fractions (×/÷) o Proportion o Ratio o Scale diagrams	al reasoning	Using shape • Coordinates & introducing straight line graphs • Properties of shape • Notation/labelling conventions • Perimeter & area • Circles – area & circumference	<ul> <li>Fractional thinking</li> <li>Probability</li> <li>Factors, multiples, primes</li> <li>Fractions (+/-)</li> </ul>
Year 8	Delving into data o Angle o Interpreting & comparing o Averages o Scatter graphs	<ul> <li>Formalising algebra</li> <li>Solve equations</li> <li>Sequences (nth term)</li> <li>Graphs of linear functions, y=mx+c</li> </ul>	<ul> <li>Proportional relationships</li> <li>Percentages</li> <li>Convert between fractions, decimals &amp; percentages</li> <li>Ratio – with linear functions &amp; fractions</li> <li>Units of measure</li> </ul>		Geometrical reasoning <ul> <li>3D shape</li> <li>Volume</li> <li>Angle, constructing triangles</li> <li>Pythagoras</li> </ul>	<ul> <li>Delving into data</li> <li>Angle</li> <li>Interpreting &amp; comparing</li> <li>Averages</li> <li>Scatter graphs</li> </ul>
Year 9	<ul> <li>Working with number</li> <li>Rounding, estimation</li> <li>Error Intervals</li> <li>Standard form</li> <li>Indices</li> <li>Working algebraically</li> <li>Expanding &amp; factorising</li> <li>Identities</li> </ul>	<ul> <li>Numerical reasoning</li> <li>Percentages</li> <li>Money</li> <li>Probability</li> <li>Finding probabilities</li> <li>Frequency trees</li> <li>Probability tree diagrams</li> </ul>	<ul> <li>Working with data <ul> <li>Statistical <ul> <li>measures</li> </ul> </li> <li>Averages from <ul> <li>frequency tables</li> </ul> </li> <li>Boxplots</li> <ul> <li>Reasoning <ul> <li>geometrically</li> </ul> </li> <li>Angles in parallel <ul> <li>lines</li> <li>Bearings</li> <li>Constructions &amp; <ul> <li>loci</li> </ul> </li> </ul></li></ul></ul></li></ul>	<ul> <li>Solving equations</li> <li>Solving equations</li> <li>Solving inequalities</li> <li>Simultaneous equations</li> <li>Sequences</li> <li>Linear nth term</li> <li>Fibonacci, quad &amp; geom</li> <li>Quadratic nth term</li> </ul>	Graphing o Straight line graphs o Graphical solutions, parallel lines o Sketching graphs o Rearranging o Rearranging formulae o Units, compound measures	Scaling O Direct/inverse proportion Similarity Scale diagrams & maps Visualising Transformations Plans & elevations Surface area











	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 10	<ul> <li>Properties of number</li> <li>Factors, multiples, primes</li> <li>HCF/LCM</li> <li>Bounds</li> <li>Fractional &amp; -ve indices</li> <li>Surds</li> <li>Pythagoras with surds</li> <li>Rationalising the denominator</li> </ul>	<ul> <li>Similarity</li> <li>Congruent, similar shapes</li> <li>Enlargement</li> <li>Trigonometry</li> <li>FDP</li> <li>Frac/percent op &amp; change</li> <li>Reverse percentages</li> <li>Growth &amp; decay</li> <li>Recurring dec &amp; frac</li> </ul>	<ul> <li>Combinations &amp; prob</li> <li>Systematic listing</li> <li>Sample spaces</li> <li>Venn diagrams</li> <li>Product rule for counting</li> <li>Probability trees (non-r)</li> <li>Geometry</li> <li>Circles</li> <li>Area, volume</li> <li>Volume/surface area</li> </ul>	<ul> <li>Algebra &amp; Graphing <ul> <li>Straight line graphs – algebra review</li> <li>Function notation</li> <li>Solving quadratics</li> <li>Real life graphs</li> <li>Sketching quadratics</li> <li>Perpendicular lines</li> <li>Equation of circle, tangent</li> </ul> </li> </ul>	<ul> <li>Algebraic fractions</li> <li>Fractions review</li> <li>Algebraic fractions</li> <li>Complex rearranging</li> <li>Visualising</li> <li>Transformations</li> <li>Invariance</li> <li>Vectors, ops</li> <li>Proof using vectors</li> </ul>	<ul> <li>Pie charts, all bar charts</li> <li>Frequency tables</li> <li>Cumulative frequency</li> <li>Histograms</li> <li>Polygons</li> <li>Angles review, polygons</li> <li>Circle theorems</li> </ul>
Year 11	<ul> <li>H Algebra: Solving <ul> <li>Completing the square</li> <li>Iteration</li> <li>Further sim equations</li> <li>Geometry</li> <li>3D trig</li> <li>Non right angled</li> </ul> </li> <li>F Algebra: Solving <ul> <li>Simplifying, solving &amp; rearranging, identities</li> <li>Solving quadratics</li> <li>Geometry</li> <li>Area &amp; volume review</li> <li>Trig, exact values</li> <li>Vectors</li> <li>Arcs &amp; sectors</li> </ul> </li> </ul>	<ul> <li>H Algebra:</li> <li>Graphing         <ul> <li>Composite, inverse functions</li> <li>Transformations of graphs</li> <li>Rates of change</li> <li>Area under curve</li> <li>Graphs of trig functions</li> </ul> </li> <li>F Algebra:         <ul> <li>Graphing</li> <li>Ratio, equations &amp; graphs</li> <li>Plotting graphs</li> <li>Sketching inc cubic, reciprocal</li> <li>Inequalities – solve &amp; shade</li> <li>Formal mocks</li> </ul> </li> </ul>	<ul> <li>Revision through reasoning and problem-solving: <ul> <li>Multiplicative</li> <li>Best buys, bank accounts, ratio with everything</li> <li>Geometric</li> <li>Reasoning with angle</li> <li>Shape problems – add/split</li> <li>Multi-step problems</li> <li>Algebraic</li> <li>Evaluation of others work</li> <li>Proof</li> </ul></li></ul>	Formal mocks Exam Revision	<b>Final exams</b> Class level planning responsive to mock analysis, overseen and supported by maths subject leaders	Final exams