

	Block 1	Block 2	Block 3	Block 4	Block 5	Block 6
Year 7	<p>Topic: Number</p> <p>Focus: Place value, rounding, negatives, adding and subtracting integers and decimals,</p> <p>Outcome: Mastery of basic number</p> <p>Duration: 8-12 lessons</p> <p>Topic: Geometry</p> <p>Focus: Metric unit conversions, area and perimeter of 2D shapes</p> <p>Outcome: Quiz</p> <p>Duration: 2-3 lessons</p>	<p>Topic: Number</p> <p>Focus: Multiplication and division; factors and multiples</p> <p>Outcome: Quiz</p> <p>Duration: 8-12 lessons</p> <p>Topic: Geometry</p> <p>Focus: Area</p> <p>Outcome: Quiz</p> <p>Duration: 3-5 lessons</p>	<p>Topic: FDP</p> <p>Focus: Fractions</p> <p>Outcome: Quiz</p> <p>Duration: 10-14 lessons</p> <p>Topic: Sequences</p> <p>Focus: Sequences</p> <p>Outcome: Quiz</p> <p>Duration: 2-3 lessons</p>	<p>Topic: Algebra</p> <p>Focus: Basic rules, forming expressions, simplifying and manipulating to maintain equivalence, substitution</p> <p>Outcome: Quiz</p> <p>Duration: 14-18 lessons</p> <p>Topic: Geometry</p> <p>Focus: Measuring, conversions, polygons, angles</p> <p>Outcome: Quiz</p> <p>Duration: 14-18 lessons</p>	<p>Topic: Algebra</p> <p>Focus: Function machines and solving equations</p> <p>Outcome: Quiz</p> <p>Duration: 5-6 lessons</p> <p>Topic: Geometry</p> <p>Focus: Coordinates</p> <p>Outcome: Quiz</p> <p>Duration: 1-2 lessons</p>	<p>Topic: Statistics</p> <p>Focus: Averages, probability, collecting data</p> <p>Outcome: Quiz</p> <p>Duration: 8-10 lessons</p>
Year 8	<p>Topic: Algebra</p> <p>Focus: Indices</p> <p>Outcome: Write powers in index form, powers of negative numbers, basic index laws</p> <p>Duration: 10-12 lessons</p> <p>Topic: Number</p> <p>Focus: Prime factorisation, rounding</p> <p>Outcome: Quiz</p> <p>Duration: 6-8 lessons</p>	<p>Topic: FDP</p> <p>Focus: Fractions, percentages</p> <p>Outcome: Quiz</p> <p>Duration: 10-14 lessons</p> <p>Topic: Algebra</p> <p>Focus: Simplifying expressions, factorising, substitution, linear equations</p> <p>Outcome: Quiz</p> <p>Duration: 16-20 lessons</p>	<p>Topic: Sequences</p> <p>Focus: Sequences</p> <p>Outcome: Quiz</p> <p>Duration: 2-3 lessons</p> <p>Topic: Geometry</p> <p>Focus: Coordinates and basic graphs. Units of measurement. Properties of shapes. Angles.</p> <p>Outcome: Quiz</p> <p>Duration: 10-14 lessons</p>	<p>Topic: FDP</p> <p>Focus: Ratio, FDP</p> <p>Outcome: Quiz</p> <p>Duration: 10-14 lessons</p> <p>Topic: Geometry</p> <p>Focus: Area and perimeter, circumference, area of composite shapes, 3D visualisation, volume</p> <p>Outcome: Quiz</p> <p>Duration: 8-10 lessons</p>	<p>Topic: Statistics</p> <p>Focus: Bar graphs, line graphs, pie charts and scatter diagrams. Averages.</p> <p>Outcome: Quiz</p> <p>Duration: 4-6 lessons</p> <p>Topic: Geometry</p> <p>Focus: Transformations</p> <p>Outcome: Quiz</p> <p>Duration: 6-10 lessons</p>	<p>Topic: Statistics</p> <p>Focus: Probability</p> <p>Outcome: Quiz</p> <p>Duration: 3-4 lessons</p>
Year 9	<p>Topic: Number</p> <p>Focus: Rounding and approximation, negatives, fractions (number properties and ratio)</p> <p>Outcome: Quiz</p> <p>Duration: 15-20 lessons</p> <p>Topic: Number</p> <p>Focus: Standard form and percentages. (Indices).</p> <p>Outcome: Quiz</p> <p>Duration: 6-10 lessons</p>	<p>Topic: Algebra</p> <p>Focus: BIDMAS, algebraic notation and manipulation, equations and inequalities, quadratics</p> <p>Outcome: Quiz</p> <p>Duration: 8-16 lessons</p>	<p>Topic: Geometry</p> <p>Focus: Pythagoras, trigonometry, measures, area and volume, circles, transformations</p> <p>Outcome: Quiz</p> <p>Duration: 15-20 lessons</p>	<p>Topic: Statistics</p> <p>Focus: Probability, collecting and presenting data, averages</p> <p>Outcome: Quiz</p> <p>Duration: 15-20 lessons.</p>	<p>Topic: Geometry</p> <p>Focus: Angles, right angled triangles, similarity and congruence, area and volume.</p> <p>Outcome: Quiz</p> <p>Duration: 5-10 lessons</p>	<p>Topic: Algebra</p> <p>Focus: Sequences and graphs. Simultaneous equations, algebraic fractions.</p> <p>Outcome: Quiz</p> <p>Duration: 6-12 lessons</p> <p>Topic: FDP</p> <p>Focus: Ratio</p> <p>Outcome: Recognise the difference between ratio and proportion and use both to solve problems.</p> <p>Duration: 4-8 lessons.</p>

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Year 10	<p>Topic: FDP</p> <p>Focus: Percentages, ratio and proportion, recurring decimals</p> <p>Outcome: FEP</p> <p>Duration: 10-14 lessons</p> <p>Topic: Geometry</p> <p>Focus: Speed, distance and time. Perform calculations with density, mass and volume</p> <p>Outcome: FEP</p> <p>Duration: 5-6 lessons</p>	<p>Topic: Algebra</p> <p>Focus: Expanding and factorising, quadratics, indices, simultaneous equations</p> <p>Outcome: FEP</p> <p>Duration: 5-8 lessons.</p> <p>Topic: Geometry</p> <p>Focus: Iteration, Pythagoras and trigonometry, angles in polygons, constructions and loci</p> <p>Outcome: FEP</p> <p>Duration: 10-14 lessons</p>	<p>Topic: Sequences</p> <p>Focus: Write number patterns as sequences, use the nth term to generate sequences, recognise geometric, quadratic and Fibonacci sequences.</p> <p>Outcome: FEP</p> <p>Duration: 2-3 lessons</p> <p>Topic: Geometry</p> <p>Focus: Graphs, similarity and congruence, area of a circle</p> <p>Outcome: FEP</p> <p>Duration: 4-8 lessons</p>	<p>Topic: FDP</p> <p>Focus: Simplify a ratio, use the unitary method, divide in a given ratio, express a ratio as a fraction.</p> <p>Outcome: FEP</p> <p>Duration: 5-8 lessons.</p>	<p>Topic: Geometry</p> <p>Focus: Construct shapes using compass, ruler and pencil. Understand and apply Loci. Understand and make 3D drawings. Transform 2D shapes on a grid, Understand and apply vectors. Use and apply Pythagoras and trigonometry. Use trig graphs.</p> <p>Outcome: FEP</p> <p>Duration: 15-20 lessons</p>	<p>Topic: Statistics</p> <p>Focus: Apply probability to single independent events, enumerate sets and unions/intersections of sets systematically. Use tree diagrams and Venn diagrams. Understand and apply how to present data. Experimental and theoretical probability.</p> <p>Outcome: FEP</p> <p>Duration: 5-6 lessons</p>
Year 11	<p>Topic: Algebra</p> <p>Focus: Equations and inequalities, quadratics, functions, algebraic fractions, rearranging formula, iteration</p> <p>Outcome: WEP</p> <p>Duration: 6-10 lessons</p> <p>Topic: Geometry</p> <p>Focus: Use trigonometry in right angled triangles. Use and understand trig graphs.</p> <p>Outcome: WEP</p> <p>Duration: 6-10 lessons</p>	<p>Topic: FDP</p> <p>Focus: Use and calculate compound interest, percentage change and reverse percentages. Work fluently with ratio and percentages. Direct and inverse proportion. Use the constant of proportionality.</p> <p>Outcome: WEP</p> <p>Duration: 10-14 lessons</p> <p>Topic: Number</p> <p>Focus: Powers, roots and standard form, bounds</p> <p>Outcome: Quiz</p> <p>Duration: 2-5 lessons</p>	<p>Topic: Algebra</p> <p>Focus: Add and subtract vectors, use inequality notation fluently, identify prime factors. Draw and interpret straight line graphs. Interpret real life graphs. Show graphical inequalities. Calculate with surds.</p> <p>Outcome: WEP</p> <p>Duration: 10-12 lessons</p> <p>Topic: Statistics</p> <p>Focus: Apply probability to single independent events, enumerate sets and unions/intersections of sets systematically. Use tree diagrams and Venn diagrams. Draw and interpret cumulative frequency diagrams. Draw and read histograms.</p> <p>Outcome: WEP</p> <p>Duration: 3-5 lessons.</p>	<p>Topic: Geometry</p> <p>Focus: Construct shapes using compass, ruler and pencil. Understand and apply Loci. Understand and make 3D drawings. Calculate the circumference and area of a circle. Use the formula for area of a trapezium to find area or missing lengths. Give answers in terms of pi. Calculate the length of an arc and the area of a sector. Understand and use circle theorem.</p> <p>Outcome: WEP</p> <p>Duration: 4-6 lessons.</p>	Exam Practice	Exam Practice