

<b>YEAR 7</b>	<b>Term 1 (September – December)</b>	<b>Term 2 (January – March)</b>	<b>Term 3 (April – July)</b>
<b>Themes</b>	<b>Number</b> <b>Ratio, proportion and rates of change</b> <b>Statistics</b>	<b>Statistics</b> <b>Geometry and measures</b>	<b>Probability</b> <b>Algebra</b>
<p>Build on prior knowledge gained in KS2</p> <p>Mastery of methods</p> <p>Develop confidence and fluency across all disciplines</p> <p>Problem solving in real life contexts</p>	<p><b><u>Unit 1: Addition and Subtraction</u></b> Methods, money, negative numbers, problem solving, rounding and estimating</p> <p><b><u>Unit 2: Multiplication and Division</u></b> Mental methods, whole numbers and decimals, problem solving, money problems, estimating</p> <p><b><u>Unit 3: Fractions, Decimals, Percentages</u></b> Equivalence, basics of fractions, fraction arithmetic, recurring decimals, basics of ratio</p> <p><b><u>Unit 4: Averages</u></b> Simple charts, calculating averages, analysing the use of different measures of average, using grouped data</p>	<p><b><u>Unit 5: Representing Data</u></b> Tables, types of data, scatter graphs, pie charts, time series graphs, sampling methods</p> <p><b><u>Unit 6: Shapes and Angles</u></b> Properties of shapes, basic angle facts, angles in triangles and quadrilaterals, parallel and perpendicular rules, polygons, similarity and congruence, circles</p> <p><b><u>Unit 7: Perimeter, Area and Volume</u></b> Basic perimeter and area calculations, area of more complex shapes, surface area, volume, cylinders, spheres and cones</p>	<p><b><u>Unit 8: Probability</u></b> Basics of probability, mutually exclusive events, probability as fractions, decimals and percentages, experimental probability, probability diagrams</p> <p><b><u>Unit 9: Algebra Basics</u></b> Algebra notation, substitution, simplifying expressions, expanding and factorising expressions, understanding and using formulae</p> <p><b><u>Unit 10: Sequences</u></b> Recognising number sequences, the nth term, the Fibonacci sequence and geometric progressions</p>
<b>Assessment</b>	Baseline entry assessment 4 end of unit checkpoints End of term assessment	3 end of unit checkpoints End of term assessment	3 end of unit checkpoints End of year assessment