

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic(s)	Unit 1 Numeracy 1 - (core skills)	Unit 2 Geometry 1 - (Angles and polygons)	Unit 3 Numeracy 2 - (Fractions, decimal and percentages)	Unit 4 Algebra 1 - (Expressions)	Unit 5 Ratio 1 – (Percentages)	Unit 6 Statistics 1 - (Key Skills)
Topic Objectives	<p>Consolidate understanding of number operations and place value including applications within 2D shapes.</p> <p>Extend concepts of estimation, other number systems and accuracy of measurements</p>	<p>To consolidate angle knowledge through estimating, measuring and use of angle properties as well as develop understanding of area and perimeter of 2D shapes.</p> <p>Extend angles knowledge through constructions, bearings and angle facts in parallel lines and regular polygons</p>	<p>To recap knowledge on fractions, decimals and percentages including conversions and calculations.</p> <p>Extend through mixed number calculations and FDP comparisons.</p>	<p>Introduce and develop understanding of algebra focused around expressions including simplifying, expanding brackets and substitution.</p> <p>Extension will include use of indices and negative values.</p>	<p>To recap basic skills such as percentages of amounts, percentage increase and decrease.</p> <p>Construction and interpretation of pie charts.</p> <p>Extended through problem solving with reverse and compound increase percentages.</p>	<p>To recap statistical representations and develop construction and interpretation of graphs and data collection techniques.</p> <p>Extended through comparisons of data and justification of decision making.</p>
Acquired Knowledge/Skills	<p>Recap core skills of number, extend understanding of place value and indices. This will be extended to develop problem solving skills by applying number skills to area of 2D shapes.</p>	<p>Recap core terminology and properties of angles and 2D shapes.</p> <p>Development of reasoning by using angle facts and area formulae.</p>	<p>Recap knowledge of place value and notation of types of number. To develop reasoning to convert and order FDP.</p>	<p>To understand core terminology in algebra and use this to identify how to solve problems. Extension skills include a greater detail of number knowledge that is applied in algebraic problems (e.g. negative values and indices).</p>	<p>To apply percentage rules to solve basic problems.</p> <p>Extension of reasoning skills to manipulate percentage problems and understand real life applications</p>	<p>To develop understanding of statistical analysis and representations.</p> <p>Extended through a statistical project to develop communication and application skills.</p>
Assessments	Assessment on Unit 1	Cumulative unit 2 assessment, including all topics to date	Cumulative unit 3 assessment, including all topics to date	Cumulative unit 4 assessment, including all topics to date	Cumulative unit 5 assessment, including all topics to date	Cumulative unit 6 assessment, including all topics to date