	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Year 7	**Calculating Unit 2** 2a. Adding 2b. Subtracting 2c. Multiplying & 5c Numeracy Ninja Number consolidation and recap	**Calculating Unit 2** 2d. Dividing & 5d 2e. Multiplying and dividing by 10, 100 and 1000 2f. Using the four operations 2g. Positive and negative numbers Numeracy Ninja Number consolidation and recap **Analysing and displaying data Unit 1** 1a. Tables and pictograms 1b. Bar charts 1c. Grouped data 1d. Mode and modal class 1e. Range and median Numeracy Ninja Consolidation and recap	**Factors and Multiples** 5a. Number rules and relationships 5b. Multiples 5e. Solving problems 5f. Factors and primes 5g. Common factors and multiples Numeracy Ninja Number consolidation and recap **Decimals** 6b. Decimal numbers 6d. Adding and subtracting decimals 6e. Rounding 6f. Multiplying and dividing decimals Numeracy Ninja	**Estimates and measures** 6g. FINANCE: Calculating with money 6a. Estimates and measures 6c. Metric units Numeracy Ninja Number consolidation and recap **Angles and Lines** 7a. Right angles and lines 7b. Measuring angles 1 7c. Measuring angles 2 7d. Drawing and estimating angles 7e. Putting angles together Numeracy Ninja Consolidation and recap	**Measuring and shapes** 8a. Shapes 8b. Symmetry in shapes 8c. More symmetry 8d. Regular polygons 8e. Perimeter 8f. Area **Fractions, decimals and Percentages** 9a. Comparing fractions 9b. Equivalent fractions 9c. Calculating with fractions 9d. Adding and subtracting fractions 9e. Introducing percentages 9f. FINANCE: Finding percentages Numeracy Ninja	**Expressions, functions and formulae** 3a. Using functions 3b. Function machines 3c. Simplify expressions 3d. Writing expressions 3e. STEM: Using formulae 3f. Writing formulae Numeracy Ninja Consolidation and recap **Graphs** 4a. Real-life graphs 4b. Coordinates 4c. Graphs of functions 4d. STEM: Scientific graphs **Transformations** 10a. Reflection , 10b translation , 10c rotation Numeracy Ninja
Year 8	**Number properties and calculations** 1a. Adding and subtracting with larger numbers 1b. More calculations Numeracy Ninja Number consolidation and recap	**Number properties and calculations** 1b. More calculations 1c. Negative numbers 1d. STEM: Writing ratios 1e. Using ratios to solve problems Numeracy Ninja Number consolidation and recap	**Number properties and calculations** 1f. Multiplicative reasoning **Angles (recap of unit 7 year 7 if required)** 7a. Right angles and lines 7b. Measuring angles 1 7c. Measuring angles 2 7d. Drawing and estimating angles 7e. Putting angles together 6a. Measuring and drawing angles 6b. Vertically opposite angles 6c. Angles in triangles 6d. Drawing triangles accurately 6e. Designing nets Numeracy Ninja Consolidation and recap	**Shapes and Measures in 3D (recap unit 8 year 7)** 8a. Shapes 8b. Symmetry in shapes 8c. More symmetry 8d. Regular polygons 8e. Perimeter 8f. Area 2a. 3D solids 2b. Nets of 3D solids 2c. Surface area 2d. Volume 2e. Working with measures Numeracy Ninja **Statistics** 3a. Data collection sheets 3b. Interpreting bar charts 3c. Drawing bar charts 3d. STEM: Pie charts & extension to drawing Unit 3E & Scatter graphs	**Expressions and (incl recap Unit 3 year 7) equations** 3a. Using functions 3b. Function machines 3c. Simplify expressions 3d. Writing expressions 3e. STEM: Using formulae 3f. Writing formulae 4a. Simplifying expressions 4b. Functions 4c. Solving equations Numeracy Ninja **Sequences** 8a. Generating sequences 8b. Extending sequences 8c. Special sequences 8d. Position-to-term rules 8e. Finding the nth term Numeracy Ninja	**Fractions, decimals and percentages (& Unit 5 Year 7)** **Decimal Calculations** 5a. Adding and subtracting decimals 5b. Multiplying decimals 5c. Ordering and rounding decimals 5d. STEM: Problem-solving with decimals **Fractions and Percentages** 9a. Comparing fractions 9b. Fractions of amounts 9c. Adding and subtracting fractions 9d. Fractions and percentages 9e. Calculating percentages 9f. STEM: Percentages and proportion Numeracy Ninja Consolidation and recap
Year 9	**Number Calculations (recap unit 1 yr 8)** 1a. Adding and subtracting with larger numbers 1b. More calculations 1a. Adding and subtracting 1b. Multiplying 1c. Dividing 1d. Multiplying and dividing negative numbers 1e. Squares, cubes and roots 1f. More powers 1g. Calculations 7b. Calculating with brackets and indices 7c. LCM and HCF 7d. Prime factor decomposition Numeracy Ninja Number consolidation and recap **Fractions, Decimals & Percentages** 4a. Equivalent proportions	**Fractions, Decimals & Percentages** 4a. Equivalent proportions 9a. Comparing fractions 9b. Equivalent fractions Numeracy Ninja Number consolidation and recap	**Fractions, Decimals & Percentages (& recap unit 9 year 8)** 9a. Comparing fractions 9b. Fractions of amounts 9c. Adding and subtracting fractions 4d. Multiplying fractions 4e. Dividing fractions 4f. Comparing proportions 9d. Fractions and percentages 9e. Calculating percentages 4g. FINANCE: Percentage change Numeracy Ninja Number consolidation and recap	**Expressions and (incl recap Unit 3 year 7) equations** 8a. Substituting into expressions 8b. More complex formulae 4a. Simplifying expressions 4b. Functions 4d. Using brackets 4c. Solving equations **Sequences -adjustment from year 8 unit 8** 8a. Generating sequences 8b. Extending sequences 8c. Special sequences 8d. Position-to-term rules 8e. Finding the nth term 2b. Using the nth term Numeracy Ninja	**Algebraic and Real Life Graphs** 6a. Reading graphs 6b. Plotting graphs 6c. Distance-time graphs 6d. Midpoints 6e. Intercepts and gradients **Multiplicative Reasoning** 7a. STEM: Using ratios 7b. Using proportions 7c. Problem-solving with proportions 7d. Measures and conversions Numeracy Ninja Consolidation and recap	**Probability** 10a. The language of probability 10b. Outcomes 10c. Probability calculations 10d. Experimental probability 9b. Sample space diagrams 9d. Two way tables , tree diagrams **Geometry in 2D and 3D** 5a. Angles 5b. Maps and scales 5c. Constructions 5d. 3D solids 5e. MODELLING: Pythagoras' theorem **Polygons & Transformations** 10a. Quadrilaterals 10b. Triangles 10c. Transformations 10d. Enlargement 10e. Congruent shapes