

| Year | Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | Unit 6 |
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| 7 | Algebraic Thinking <br> - Sequences <br> - Understand and use algebraic notation <br> - Equality and equivalence | Place value and proportion <br> - Place value and ordering integers and decimals <br> - Fraction, decimal and percentage equivalence | Applications of Number <br> - Solve problems with addition, subtraction multiplication and division <br> - Fractions and percentages of amounts | Directed number <br> - Four operations with directed number <br> Fractional thinking <br> - Addition and subtraction of fractions | Lines and Angles <br> - Constructing, measuring and using geometric notation <br> - Developing geometric reasoning | Reasoning with Number <br> - Developing Number sense <br> - Sets and probability <br> - Prime numbers and proof |
| 8 | Proportional reasoning <br> - Ratio and scale <br> - Multiplicative change <br> - Multiplying and dividing fractions | Representations <br> - Working in the Cartesian plane <br> - Representing data <br> - Tables and probability | Algebraic techniques <br> - Brackets, equations and inequalities <br> - Sequences <br> - Indices | Developing Number <br> Fractions and percentages <br> - Standard index form <br> - Number sense | Developing Geometry <br> - Angles in parallel lines and polygons <br> - Area of trapezia and circles <br> - Line symmetry and reflection | Reasoning with Data <br> - The data handling cycle <br> - Measures of location |
| 9 | Reasoning with Algebra <br> - Straight-line graphs <br> - Forming and solving equations <br> - Testing conjectures | Constructing in 2 and 3 dimensions <br> - Three dimensional shapes <br> - Constructions and Congruency | Reasoning with Number <br> - Numbers <br> - Using percentages <br> - Maths and money | Reasoning with Geometry <br> - Deduction <br> - Rotation and translation <br> - Pythagoras' Theorem | Reasoning with Proportion <br> - Enlargement and similarity <br> - Solving ratio and proportion problems <br> - Rates | Representations <br> - Probability <br> - Algebraic representation <br> - Revision <br> Handling data, error intervals, sequences |
| 10 | Similarity <br> - Congruence, similarity and enlargement <br> - Trigonometry | Developing Algebra <br> - Representing equations and inequalities <br> - Simultaneous equations | Geometry <br> - Angles and bearings <br> - Working with circles <br> - Vectors | Proportions and proportional change <br> - Ratios and fractions <br> - Percentages and interest <br> Probability | Delving into data <br> - Collecting, representing and interpreting data <br> - Non calculator methods | Number <br> - Types of number and sequences <br> - Indices and roots <br> - Manipulating expressions |
| 11 | Graphs <br> Gradients and lines <br> - Non-linear graphs <br> -Using graphs | Algebra <br> - Expanding and factorising <br> - Changing the subject <br> - Functions | Revision Reasoning <br> - Multiplicative <br> - Geometric <br> - Algebraic | Revision Communicate <br> - Transforming and constructing <br> -Listing and describing <br> - Show that | Revision | Revision |

