

|               | Week 1   | Week 2 | Week 3  | Week 4 | Week 5                             | Week 6 | Week 7   | Week 8 | Week 9               | Week 10                                      | Week 11                 | Week 12 |
|---------------|--|--------|---|--------|------------------------------------|--------|--|--------|----------------------|--|-------------------------|---------|
| <b>Autumn</b> | <b>Algebraic Thinking</b>                            |        |   |        |                                    |        | <b>Place Value and Proportion</b>              |        |                      |  |                         |         |
|               | Sequences  |        | Understand and use algebraic notation             |        | Equality and equivalence           |        | Place value and ordering integers and decimals |        |                      | Fraction, decimal and percentage equivalence |                         |         |
| <b>Spring</b> | <b>Applications of Number</b>                        |        |   |        |                                    |        | <b>Directed Number</b>                         |        |                      | <b>Fractional Thinking</b>                   |                         |         |
|               | Solving problems with addition & subtraction         |        | Solving problems with multiplication and division |        | Fractions & percentages of amounts |        | Operations and equations with directed number  |        |                      | Addition and subtraction of fractions        |                         |         |
| <b>Summer</b> | <b>Lines and Angles</b>                              |        |   |        |                                    |        | <b>Reasoning with Number</b>                   |        |                      |  |                         |         |
|               | Constructing, measuring and using geometric notation |        | Developing geometric reasoning                    |        |                                    |        | Developing number sense                        |        | Sets and probability |  | Prime numbers and proof |         |

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| <b>Autumn</b> | <b>Proportional Reasoning</b>         |                       |        |                                    |           |                                | <b>Representations</b>     |        |                   |                     |                      |         |
|               | Ratio and scale                       | Multiplicative change |        | Multiplying and dividing fractions |           | Working in the Cartesian plane |                            |        | Representing data |                     | Tables & Probability |         |
| <b>Spring</b> | <b>Algebraic techniques</b>           |                       |        |                                    |           |                                | <b>Developing Number</b>   |        |                   |                     |                      |         |
|               | Brackets, equations and inequalities  |                       |        |                                    | Sequences | Indices                        | Fractions and percentages  |        |                   | Standard index form | Number sense         |         |
| <b>Summer</b> | <b>Developing Geometry</b>            |                       |        |                                    |           |                                | <b>Reasoning with Data</b> |        |                   |                     |                      |         |
|               | Angles in parallel lines and polygons |                       |        | Area of trapezia and circles       |           | Line symmetry and reflection   | The data handling cycle    |        |                   |                     | Measures of location |         |

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| Autumn | Reasoning with Algebra     |        |                                     |        |                     |        | Constructing in 2 and 3 Dimensions |        |                          |                              |                     |         |
|        | Straight line graphs       |        | Forming and solving equations       |        | Testing conjectures |        | Three-dimensional shapes           |        |                          | Constructions and congruency |                     |         |
| Spring | Reasoning with Number      |        |                                     |        |                     |        | Reasoning with Geometry            |        |                          |                              |                     |         |
|        | Numbers                    |        | Using percentages                   |        | Maths and money     |        | Deduction                          |        | Rotation and translation |                              | Pythagoras' Theorem |         |
| Summer | Reasoning with Proportion  |        |                                     |        |                     |        | Representations and Revision       |        |                          |                              |                     |         |
|        | Enlargement and similarity |        | Solving ratio & proportion problems |        | Rates               |        | Probability                        |        | Algebraic representation |                              | Revision            |         |

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| Autumn | Similarity                                     |        |                      |              |                        |        | Developing Algebra                                   |        |                          |                        |                          |         |
|        | Congruence, similarity and enlargement         |        |                      | Trigonometry |                        |        | Representing solutions of equations and inequalities |        |                          | Simultaneous equations |                          |         |
| Spring | Geometry                                       |        |                      |              |                        |        | Proportions and Proportional Change                  |        |                          |                        |                          |         |
|        | Angles & bearings                              |        | Working with circles |              | Vectors                |        | Ratios & fractions                                   |        | Percentages and Interest |                        | Probability              |         |
| Summer | Delving into data                              |        |                      |              | Using number           |        |  |        | Expressions              |                        |                          |         |
|        | Collecting, representing and interpreting data |        |                      |              | Non-calculator methods |        | Types of number and sequences                        |        | Indices and Roots        |                        | Manipulating expressions |         |

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| Autumn | Graphs            |        |                   |        |              |        | Algebra                     |        |                      |         |              |         |
|        | Gradients & lines |        | Non-linear graphs |        | Using graphs |        | Expanding & factorising     |        | Changing the subject |         | Functions    |         |
| Spring | Reasoning         |        |                   |        |              |        | Revision and Communication  |        |                      |         |              |         |
|        | Multiplicative    |        | Geometric         |        | Algebraic    |        | Transforming & constructing |        | Listing & describing |         | Show that... |         |
| Summer | Revision          |        |                   |        |              |        | Examinations                |        |                      |         |              |         |