## MathsBeat ${ }^{6}$

## Year 6 Long-term plan

|  | Week 1 | Week 2 | Week 3 | Week <br> 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week <br> 10 | Week $11$ | Week 12 | Week 13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Term 1 | Unit 1: <br> Number and place value <br> (Fluency with large numbers) | Unit 2: mu <br> (Multi-di division; | ddition and lication and <br> multiplicat blem solvi operations | ubtraction, division <br> $n$; multi-digit with all four | Unit 3: Geometry: properties of shapes (Construct 2D and 3D shapes) | (Use equivalences; add, subtract, multiply and divide fractions to solve problems) |  |  | Unit 5: Ratio <br> (Proportions in ratio and percentage context) | (Estimate, compare and calculate volumes; convert between units of measure) |  | Unit 7: <br> Algebra <br> (Using letters to represent unknown numbers) | Unit 8: <br> Geometry: <br> position and direction <br> (Points, lines, shapes and translations on the fourquadrant coordinate plane) |
| Term 2 | Unit 9: <br> Number and place value <br> (Negative numbers in context, including counting on and back) | Unit 10: <br> subt <br> multipl <br> (Reasoni order us calculat ope | dition and tion, tion and ion <br> about the to solve s; mixed ions) | Unit 11: Geometry: position and direction <br> (Reflections and translations in all four quadrants) | (Use equivalences and solve problems; multiply and divide fractions to solve problems) |  | Unit 13: <br> Statistics <br> (Graphs and pie charts) | Unit 14: <br> Algebra <br> (Use algebra to describe sequences and equations with two unknowns) | Unit 15: <br> Measurement <br> (Areas of parallelograms, triangles and related shapes) | Unit 16: Ratio and proportion <br> (Solve problems in proportional share situations) | Unit 17 properti (App prope <br> relations out th unkno shape includ | eometry: of shapes <br> angle ies and ps to work values of n angles; operties, circles) | Consolidation |
| Term 3 | Unit 18: <br> Statistics <br> (Calculate <br> and interpret the mean as an average) | Unit 19: <br> subt <br> multipl <br> di <br> (Solve a multi-step num calc relatio prop | dition and ction, tion and ion <br> compare <br> problems; <br> $r$ and <br> tion <br> ips and <br> ties) | (Solve problems involving fractions, decimals and percentages; work with percentages, decimals and fractions) |  | Unit 21: Ratio and proportion <br> (Use proportions in percentage and similarshape situations) | Secondary progression 1 <br> (Investigate triangular numbers) | Secondary progression <br> 2 <br> (Fake news) | Secondary progression 3 <br> (Cupcake calculations) | Secondary progression 4 <br> (Investigate and reason about numbers) |  | Consolidation |  |

