Maths Overview- Class 1

Autumn	Spring	Summer
Opportunities for Problem Solving, Investigations and Reasoning Activities to be integrated into each lesson **Mental Maths activity to be included daily** **Number and Arithmetic:** Recognising numbers Say and use number names Number, Place value and Rounding Addition and subtraction (Year 1+) Multiplication and Division (Year 2 or when ready) Fractions (Year 1 or when ready) **Geometry and Measures**: Properties of shapes-2D Position, direction and movement Measures- Length and Chronological Order, Time and Money **Statistics:** (Year 2 or when ready) Collect information, present findings, sort objects Pictograms, Tally Charts, Block Diagrams, Simple Tables	**Opportunities for Problem Solving, Investigations and Reasoning Activities to be integrated into each lesson** **Mental Maths activity to be included daily** **Number and Arithmetic:** Recognising numbers Say and use number names Number, Place value and Rounding Addition and subtraction Multiplication and Division (Year 2 or when ready) Fractions (Year 1 or when ready) **Geometry and Measures**: Properties of shapes-3D Position, direction and movement Measures-Mass, Time and Money **Statistics:** (Year 2 or when ready) Collect information, present findings, sort objects Pictograms, Tally Charts, Block Diagrams, Simple Tables	**Opportunities for Problem Solving, Investigations and Reasoning Activities to be integrated into each lesson** **Mental Maths activity to be included daily** **Number and Arithmetic:** Recognising numbers Say and use number names Number, Place value and Rounding Addition and subtraction Multiplication and Division (Year 2 or when ready) Fractions (Year 1 or when ready) **Geometry and Measures**: Properties of shapes-2D, 3D, Symmetry Position, direction and movement Measures- Temperature, Capacity and Volume **Statistics:** (Year 2 or when ready) Collect information, present findings, sort objects Pictograms, Tally Charts, Block Diagrams, Simple Tables **Year 2**: Revise all topics, view, discuss and solve past SATS questions before sitting the 2015 SATS paper.

Maths Overview- Class 2

Autumn	Spring	Summer
Opportunities for Problem Solving, Investigations and Reasoning Activities to be integrated into each lesson **Mental Maths activity to be included daily** **Number and Arithmetic:** Number, Place value, Rounding and Estimation Addition and subtraction (Formal methods for written Arithmetic to be introduced during Year 4) Multiplication and Division (Including regular mental Maths practice to be confident of up to 12x12 by end of Year 4) Fractions Decimals (by Year 4 or earlier) **Geometry and Measures**: Properties of shapes-2D and Symmetry Lines and Angles Position, direction and movement Measures- Length and conversions of Metric units, Perimeter, Time and Money (converting £ to p and VV) **Statistics:** Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.	**Opportunities for Problem Solving, Investigations and Reasoning Activities to be integrated into each lesson** **Mental Maths activity to be included daily** **Number and Arithmetic:** Number, Place value, Rounding and Estimation Addition and subtraction (Formal methods for written Arithmetic to be introduced during Year 4) Multiplication and Division (Including regular mental Maths practice to be confident of up to 12x12 by end of Year 4) Fractions Decimals (by Year 4 or earlier) **Geometry and Measures**: Properties of shapes-3D (Revise Symmetry) Position, direction and movement Measures-Mass and conversions of Metric units, Time and Money (Revise Length, Perimeter and introduce Area to Year 4s who are ready) **Statistics:** Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.	**Opportunities for Problem Solving, Investigations and Reasoning Activities to be integrated into each lesson** **Mental Maths activity to be included daily** **Number and Arithmetic:** Number, Place value, Rounding and Estimation Addition and subtraction (Formal methods for written Arithmetic to be introduced during Year 4) Multiplication and Division (Including regular mental Maths practice to be confident of up to 12x12 by end of Year 4) Fractions Decimals (by Year 4 or earlier) **Geometry and Measures**: Properties of shapes-Compare and classify 2D shapes and 3D solids Position, direction and movement Measures- Temperature, Capacity and conversions of Metric units Volume (Introduction for Year 4) **Statistics:** Pupils understand and use a greater range of scales in their representations. Pupils begin to relate the graphical representation of data to recording change over time.

Maths Overview- Class 3

Autumn	Spring	Summer
Opportunities for Problem Solving, Investigations and Reasoning Activities to be integrated into each lesson **Mental Maths activity to be included daily** **Number and Arithmetic:** Number, Place value, Rounding, Approximation Estimation Addition, Subtraction, Multiplication and Division BODMAS (Year 6 or earlier if ready) Fractions Decimals Percentages Algebra (Year 6 or earlier if ready) **Geometry and Measures**: Revision of properties of 2D shapes, 3D solids and symmetry Build 3D shapes (Year 5) Measure and sketch simple angles (Year 5) Angles on a line and around a point (Year 6) Properties of Shapes-3D from 2D shapes Position, Direction, Movement (within 4 quadrants for Year 6) Measures- Length, Conversions and Equivalences,(Imperial units for Year 6) Investigating Area and Perimeter, including	**Opportunities for Problem Solving, Investigations and Reasoning Activities to be integrated into each lesson** **Mental Maths activity to be included daily** **Year 6 Focus during March and April: Revision of Mental Maths skills, arithmetic skills though written methods, answering and analysing past papers, problem solving and practical work** **Number and Arithmetic:** Number, Place value, Rounding, Approximation Estimation Addition, Subtraction, Multiplication and Division BODMAS (Year 6 or earlier if ready) Fractions Decimals Percentages Algebra (Year 6 or earlier if ready) Ratio and Proportion (Year 6 or earlier if ready) **Geometry and Measures**: Properties of shapes- Angles on a line and around a point (Year 5) Position, direction, movement within 4	**Opportunities for Problem Solving, Investigations and Reasoning Activities to be integrated into each lesson** **Mental Maths activity to be included daily** **Year 6: Revision** **Maths Levels 3-5 and the Level 6 paper to be sat on 13th and 14th May 2015.** **Focus: Revision of Mental Maths skills, arithmetic skills though written methods, answering and analysing past papers, problem solving and practical work** **Year 5:** **Number and Arithmetic:** Number, Place value, Rounding, Approximation Estimation Addition, Subtraction, Multiplication and Division BODMAS (Year 6 or earlier if ready) Fractions Decimals Percentages Algebra (Year 6 or earlier if ready) Ratio and Proportion (Year 6 or earlier if ready) **Year 5:** **Geometry and Measures**:

irregular shapes (Year 6) Find areas of triangles, parallelograms, use formula to calculate area and volume. (Year 6) **Probability**: Year 6 (no longer part of the curriculum from 2015) **Statistics:** Understand and be able to calculate the mean, median, mode and range of a set of data. Interpret and construct pie charts and line graphs and use these to solve problems. Calculate and interpret the mean as an average.	quadrants Properties of shapes-Geometric shapes and finding unknown angles (Year 6) Measures-Mass and Capacity , Conversions and equiivalences (imperial measurements Year 6) Volume Illustrate and name parts of a circle (Year 6) **Probability**: Year 6 (no longer part of the curriculum from 2015) **Statistics:** Understand and be able to calculate the mean, median, mode and range of a set of data. Pupils connect their work on angles, fractions and percentages to the interpretation of pie charts.	Position, direction and movement within 4 quadrants Area and Perimeter of Irregular Shapes Draw shapes and angles of regular and irregular polygons. **Statistics:** Pupils both encounter and draw graphs relating two variables, arising from their own enquiry linked to other subjects.