Curriculum: Mathematics

EYFS

TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
Mastering Number Weeks 1- 10 **Number and Numerical Pattern**– • identify when a set can be subitised and when counting is needed • subitise different arrangements, both unstructured and structured • make different arrangements of numbers within 5 and talk about what they can see, to develop their conceptual subitising skills • spot smaller numbers 'hiding' inside larger numbers • connect quantities and numbers to finger patterns and explore different ways of representing numbers on their fingers • hear and join in with the counting, sequence, and connect this to the 'staircase' pattern of the counting numbers, seeing that each number is made of one more than the previous number • develop counting skills and knowledge, including: that the last number in the count tells us 'how many' (cardinality); to be accurate in counting, each thing must be counted once and once only and in any order; the need for 1:1 correspondence; understanding that anything can be counted, including actions and sounds • compare sets of objects by matching • begin to develop the language of 'whole' when talking about objects which have parts **Measure Shape and Spatial** – Patterns, Mass and Size, Circles and triangles/Positional Language, Shapes with 4 Sides/Time		**Mastering Number Weeks 11- 20** **Number and Numerical Pattern-** • continue to develop their subitising skills for numbers within and beyond 5, and increasingly connect quantities to numerals • begin to identify missing parts for numbers within 5 • explore the structure of the numbers 6 and 7 as '5 and a bit' and connect this to finger patterns and the Hungarian number frame • focus on equal and unequal groups when comparing numbers understand that two equal groups can be called a 'double' and connect this to finger patterns • sort odd and even numbers according to their 'shape' • continue to develop their understanding of the counting sequence and link cardinality and ordinality through the 'staircase' pattern • order numbers and play track games • join in with verbal counts beyond 20, hearing the repeated pattern within the counting numbers **Measure Shape and Spatial** – Comparing mass and capacity, Length, Height and Time, 3D shapes and patterns		**Mastering Number Weeks 21- 26 and review weeks** **Number and Numerical Pattern-** • continue to develop their counting skills, counting larger sets as well as counting actions and sounds • explore a range of representations of numbers, including the 10-frame, and see how doubles can be arranged in a 10-frame • compare quantities and numbers, including sets of objects which have different attributes • continue to develop a sense of magnitude, e.g. knowing that 8 is quite a lot more than 2, but 4 is only a little bit more than 2 • begin to generalise about 'one more than' and 'one less than' numbers within 10 • continue to identify when sets can be subitised and when counting is necessary • develop conceptual subitising skills including when using a rekenrek **Measure Shape and Spatial** – Spatial Reasoning, Match, Rotate and Manipulate, Compose and Decompose Visualise and Build, Mapping	

YEAR 1

TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
Number – Place Value (Within 10), Addition and Subtraction (Within 10) **Geometry** - Shape **Problem Solving Foci:** Visualising, Reasoning Logically and Working Backwards		**Number** – Place Value (within 20), Addition and Subtraction (within 20), Place Value (within 50) **Measurement** – Length and Height, Mass and Volume **Problem Solving Foci:** Conjecturing, Working systematically, Looking for Patterns, Trials and Improvement		**Number –** Multiplication and Division, Fractions, Place Value (within 100) **Geometry –** Position and Direction **Measurement –** Money and Time **Problem Solving Foci:** Visualising, Reasoning Logically, Working Systematically and Looking for Patterns.	

YEAR 2

TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
Number – Place Value, Addition and Subtraction **Geometry –** Shape **Problem Solving Foci:** Visualising, Reasoning Logically and Working Backwards		**Number –** Multiplication and Division **Measurement –** Money, Length and Height and Mass, Capacity and Temperature **Problem Solving Foci:** Conjecturing, Working systematically, Looking for Patterns, Trials and Improvement		**Number –** Fractions **Measurements –** Time **Geometry –** Position and Direction **Problem Solving Foci:** Visualising, Reasoning Logically, Working Systematically and Looking for Patterns.	

YEAR 3

TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
Number – Place Value, Addition and Subtraction, Multiplication and Division **Problem Solving Foci:** Visualising, Reasoning Logically and Working Backwards		**Number –** Multiplication and Division, Fractions **Measurement –** Length and Perimeter, Mass and Capacity **Problem Solving Foci:** Conjecturing, Working systematically, Looking for Patterns, Trials and Improvement		**Number –** Fractions **Measurements –** Money, Time **Geometry –** Shape **Problem Solving Foci:** Visualising, Reasoning Logically, Working Systematically and Looking for Patterns.	

YEAR 4

TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
Number – Place Value, Addition and Subtraction, Multiplication and Division **Measurement –** Area **Problem Solving Foci:** Visualising, Reasoning Logically and Working Backwards		**Number –** Multiplication and Division, Fractions, Decimals **Measurement –** Length and Perimeter **Problem Solving Foci:** Conjecturing, Working systematically, Looking for Patterns, Trials and Improvement		**Number –** Decimals **Measurements –** Money, Time **Geometry –** Shape, Position and Direction **Problem Solving Foci:** Conjecturing, Working systematically, Looking for Patterns, Trials and Improvement	

YEAR 5

TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
Number – Place Value, Addition and Subtraction, Multiplication and Division, Fractions **Problem Solving Foci:** Visualising, Reasoning Logically and Working Backwards		**Number –** Multiplication and Division, Fractions, Decimals and Percentages **Measurement –** Statistics **Geometry –** Perimeter and Area **Problem Solving Foci:** Conjecturing, Working systematically, Looking for Patterns, Trials and Improvement		**Shape –** Position and Direction **Number–** Decimals, Negative Numbers **Measurements –** Converting Units and Volume **Problem Solving Foci:** Conjecturing, Working systematically, Looking for Patterns, Trials and Improvement	

YEAR 6

TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
Number – Place Value, 4 Operations, Fractions **Measurements –** Converting Units **Problem Solving Foci:** Visualising, Reasoning Logically and Working Backwards		**Number –** Ratio, Algebra, Decimals, Fractions, Decimals and Percentages **Measurements –** Area, Perimeter and Volume **Geometry –** Statistics **Problem Solving Foci:** Conjecturing, Working systematically, Looking for Patterns, Trials and Improvement		**Shape –** Position and Direction Assessments Themed Projects **Problem Solving Foci:** Conjecturing, Working systematically, Looking for Patterns, Trials and Improvement	