Year 4– Maths 2022-23

Autumn Week:	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Half Term	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Concept:	**Place Value** Number up to 10 000 Partitioning Comparing, ordering and rounding Roman Numerals				**Addition and subtraction (plus assessment)** Mental, estimating and checking strategies Addition and subtraction of 2 three-digit number and four-digit numbers with and without exchange.				**Area** What is area? Counting squares Making shapes Comparing area.	**Multiplication** **Division** Multiples of 3,6, 9, 7, 11 and 12 and associated division facts. Multiplying by 1 and 0 Dividing by 1 and itself. Multiplying 3 numbers – communitive law.					**Consolidation**
Representation:	Place value charts number lines Base 10 Place Value Counters				Bar model Part whole Number line Base ten Place value counters				Post it notes. Squares measures	Cubes, base 10, counters, place value charts. 100 squares.					

Spring Week:	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Half Term	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Concept:	**Multiplication and Division inc assessment window:** Factor Pairs Multiplying and dividing by 100. Informal methods for multiplication Multiplying and dividing 2 and 3 digit numbers by 1 digit numbers.			**Length and Perimeter:** Measuring Kilometres and metres and finding equivalents. Perimeter of rectilinear shapes and polygons.				**Fractions** Mixed numbers Comparing and ordering Improper fractions. Convert improper to mixed numbers and vice versa. Finding equivalent fractions Adding and subtracting 2 or more fractions. Subtracting from whole amounts and mixed numbers.				**Decimals A** 10ths as fractions and decimals. 10ths on a place value chart and on a number line. Divide a 1 and a 2 digit number by 10. 100ths as fractions and as decimals. 100ths on a place value chart.		

					Divide a 1 or 2 digit number by 100.
Representations:	Number lines Bar model Numicon and pegs Base ten Arrays Place value counters Place Value Tables	Rulers Metre sticks Square paper		Fraction wall cards Cubes Numicon Number lines. Bar model	Decimal 100 square Numicon Place value chart Counters Number line. Base ten.

Summer Week:	Week 1	Week 2	Week 3 Week 4	Week 5 Week 6	Half Term	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Concept:	**<u>Decimals B</u>** Tenths Hundredths Partitioning Comparing Ordering Rounding Fractions as decimals		**<u>Money</u>** Money in decimals Pounds and Pence Comparing Money Estimating Calculating Problem Solving	**<u>Time</u>** Years, months, weeks, days. Hours, minutes, seconds. Analogue, and digital. Convert to and from 24 hr clock.		**Shape (Inc assessment window)** Angles as turns Identify angles Compare and order angles. Triangles Quadrilaterals Polygons Symmetry			**Statistics** Interpret charts and line graphs. Draw Line graphs Comparison, sum and difference.	**<u>Position and Direction</u>** Position using coordinates. Plotting coordinates 2D Shapes on a grid Translate on a grid Describe translation on a grid.		**Consolidation.**
Representation:	Base 10 Numicon Bead string 1 square 10 frames Place value chart Place value counters		Coins Place value chart Place value counters Ten frames Bead string	Clocks Calendars Maths Bot		Mirrors Angle measurers Shapes Rulers			Rulers Square paper	Maps Compass 2d shapes Grid		

Summer Term details to be finalised upon WR publication