Teaching maths continually – not just during maths lessons!

Year Group	Objective	In class opportunities (ongoing - not planned lessons)	Links to other subjects
R	1. Number	1. Records using marks they can interpret and explain 2. Objectives related to counting objects	1. Snack time tally charts of favourite fruit 2. Count shapes
	2. Shape/space/measure	1. Use positional language 2. Order 2/3 items by length/height 3. Order/sequence familiar events 4. Using everyday language related to money 5. Can describe their relative position such as behind or next to	1. Every day activities (lining up) 2. Taught through shape ordering, different sized shapes. Cutting activities; cut and order shapes 3. Story time power of reading activity 4. Addition and subtraction and within roleplay areas 5. During lining up (lunch, playtime, assembly and home time)
1	Number & place value	1. Read and write numbers 1 to 20 2. More than, less than symbols 3. Continuing forward from any number	1. Daily M+O starter (Mental and Oral) 2. M+O starter quick fire 3. M+O starter & when lining up
	Addition & subtraction	1. Solving one step problems involving addition/subtraction 2. Add/subtract one digit/two digit numbers to 20	1. M+O starter 1. During DT 1. Baking adding 2. M+O starter drip feed
	Measure	1. Lengths and heights 2. Mass/weight 3. Quicker/slower 4. Volume/capacity 5. Sequence events 6. Language related to dates/time	1. DT – creating projects 2. DT – baking 3. PE & science 4. Science experiments 5. Daily literacy vocab 6. Daily start of the day and throughout the day
	Fractions		
	Multiplication & division		
2	Addition & subtraction	1. Add and subtract numbers using concrete objects, pictorial representations and mentally 2. Compare and order lengths, mass, volume/capacity and record the results using > < and =	4. M+O starter 5. DT product design & baking 6. M+O starter

			3. Find difficult combinations of coins that equal the same amounts of money	
		Measure	1. Using concrete objects and pictorial representations, including those involving numbers, quantities and measures 2. Compare and sequence intervals of time 3. Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a face 4. Know the number of minutes in an hour and the number of hours in a day 5. Recognise, find, name and write fractions of a length, shape, set of objects or quantity 6. Choose and use appropriate standard units to estimate and measure length and height, mass, temperature and capacity	1. + and – 2. Daily dashboard & throughout the day 3. Daily dashboard & throughout the day 4. Daily dashboard & throughout the day 5. Clocks & time and science 6. Science & DT
		Statistics	1. Interpret & construct simple pictograms, tally charts, block diagrams and simple tables 2. Ask and answer simple questions by counting the number of objects in each category 3. Ask and answer questions about totalling and comparing data	1. Science & topic
		Multiplication & division	1. Calculating mathematical statements for multiplication and division 2. Recall and use multiplication and division facts for the 2, 5 and 10 times tables	1. M+O starters
		Geometry	1. Order and arrange objects in patterns and sequences 2. Use mathematical language to describe position, direction and movement 3. Identify properties of 2D shapes 4. Identify and describe properties of 3D shapes 5. Identify 2D shapes on the surface of 3D shapes 6. Compare and sort common 2D and 3D shapes	1. PE 2. Art 3. DT & art 4. DT & art 5. DT & art 6. DT & art
3		Statistics	1. Interpret and present data using bar charts, pictograms and tables	5. Science topics
		Measures	1. Know the number of seconds in a minute and days in a month 2. Tell and write time 3. Estimate and read time	1. Timing tables tests 2. Daily dashboard 3. Revise throughout the day

		Multiplication & division	1. Recall and use multiplication and division facts for the 3, 4 and 8 times tables	1. Daily through song and quizzes
		Geometry - shapes	1. Draw 2D and make 3D shapes using modelling materials 2. Identify horizontal and vertical lines and pairs of perpendicular and parallel lines 3. Identify right angles, recognise that two right angles make a half-turn, three makes three quarters of a turn and four a complete turn 4. Measure perimeter of simple 2D shapes	1. Art 2. Art and DT 3. Paper folding, telling the time 4. Art sculptures
4		Measure	1. Km to m, cm to m and conversion of distance, volume and weight 2. Converting units of time 3. Read, write and convert time between analogue and digital	1. Multiplication and division by 10, 100 & 1000 & DT 2. Throughout the day, check in using clocks 3. Orally through the day & daily dashboard
		Multiplication & division	1. Times table facts	1. Throughout the day orally & within fractions
		Geometry/Statistics	1. Collect and populate tables & charts 2. Draw shapes across a line of symmetry	1. Science topics 2. DT designs
5		Number & place value	1. Recall roman numerals	1. Addition & subtraction, perimeter and area reasoning questions.
		Addition & subtraction	1. Add and subtract increasingly larger numbers mentally 2. Column addition and subtraction written methods	1. M+O starters 2. M+O starters
		Statistics	1. Solve problems using information gathered 2. Complete and interpret tables, charts and pictograms	1. Addition and division problems throughout lessons and objectives & science 2. Science
		Multiplication & division	1. Find all factors numbers and primes up to 100 2. Solve multiplication and division problems drawing on known facts 3. Multiply and divide numbers by 10, 100 and 1000 4. Solve problems using squared and cubed numbers	1. Measure – area and perimeter & fractions 2. M+O starters 3. Measure – converting units of length, volume and mass 4. M+O starters
		Measures	1. Convert units of measure, length, mass and volume 2. Convert units of time 3. Estimate volume	1. Link to all over objectives 2. Daily questioning and dashboard 3. Science topics

6	Measures	1. Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate	1. Addition & subtraction, perimeter and area reasoning & problem solving. 2. M+O starters
		2. Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places	1. Addition & subtraction, perimeter and area reasoning & problem solving 2. M+O starters
	Algebra	1. Use simple formulae e.g. perimeter of a rectangle or area of a triangle	1. Measures - Recognise when it is possible to use formulae for area and volume of shapes 2. Measures - Calculate the area of parallelograms and triangles
	Statistics	1. Interpret and construct pie charts and line graphs and use these to solve problems 2. Calculate and interpret the mean as an average	1. Science – scientific working 2. Science – scientific working
	Position & Direction	1. Describe positions on the full coordinate grid (all four quadrants)	1. Geography – grid references