National curriculum to *Power Maths* matching chart KS1

Year 1

National curriculum programmes of study Year 1		*Power Maths*	
Domain	**Pupils should be taught to:**	**Year 1**	**Year 2**
Number – number and place value	• Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.	• Textbook 1A – Unit 1, Numbers to 10, Lessons 2–4 (10) • Textbook 1A – Unit 6, Numbers to 20, Lesson 1 (20) • Textbook 1B – Unit 9, Numbers to 50, Lessons 1 and 2 (50) • Textbook 1C – Unit 16, Numbers to 100, Lesson 1	• Textbook 2A – Unit 1, Numbers to 100, Lesson 1
	• Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens.	• Textbook 1A – Unit 1, Numbers to 10, Lessons 3 and 4 (10) • Textbook 1B – Unit 9, Numbers to 50, Lessons 8 and 9 (2s, 5s) • Textbook 1C – Unit 12, Multiplication, Lesson 1 • Textbook 1C – Unit 16, Numbers to 100, Lessons 1 and 2 • Textbook 1C – Unit 18, Money, Lesson 3	• Textbook 2A – Unit 1, Numbers to 100, Lessons 1–5 and 9 • Textbook 2A – Unit 5, Multiplication and division (1), Lessons 1–8
	• Given a number, identify one more and one less.	• Textbook 1A – Unit 1, Numbers to 10, Lessons 5 and 6 • Textbook 1A – Unit 6, Numbers to 20, Lesson 4 • Textbook 1B – Unit 9, Numbers to 50, Lesson 5 • Textbook 1C – Unit 16, Numbers to 100, Lesson 2	

National curriculum programmes of study Year 1		*Power Maths*	
Domain	**Pupils should be taught to:**	**Year 1**	**Year 2**
	• Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.	• Textbook 1A – Unit 1, Numbers to 10, Lessons 1, 2, 5–12 • Textbook 1A – Unit 6, Numbers to 20, Lessons 1–7 • Textbook 1B – Unit 9, Numbers to 50, Lessons 3–7 • Textbook 1C – Unit 16, Numbers to 100, Lessons 1, 3–7	• Textbook 1A – Unit 1, Numbers to 100, Lessons 2–6 and 10
	• Read and write numbers from 1 to 20 in numerals and words.	• Textbook 1A – Unit 1, Numbers to 10, Lesson 3 (10)	
Number – addition and subtraction	• Read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs.	• Textbook 1A – Unit 2, Part-whole within 10, Lessons 2 and 3 • Textbook 1A – Unit 3, Addition and subtraction within 10 (1), Lesson 5 • Textbook 1A – Unit 4, Addition and subtraction within 10 (2), Lessons 7–12 • Textbook 1B – Unit 8, Subtraction within 20, Lesson 7	• Textbook 2A – Unit 2, Addition and subtraction (1), Lessons 1, 3 and 4
	• Represent and use number bonds and related subtraction facts within 20.	• Textbook 1A – Unit 2, Part-whole within 10, Lessons 1–5 • Textbook 1A – Unit 3, Addition and subtraction within 10 (1), Lessons 1–6 (10) • Textbook 1A – Unit 4, Addition and subtraction within 10 (2), Lessons 1–6 (10) • Textbook 1B – Unit 7, Addition within 20, Lessons 2–6 • Textbook 1B – Unit 8, Subtraction within 20, Lessons 1–4 and 6 • Textbook 1C – Unit 16, Numbers to 100, Lessons 8 and 9	

National curriculum programmes of study Year 1		*Power Maths*	
Domain	**Pupils should be taught to:**	**Year 1**	**Year 2**
	● Add and subtract one-digit and two-digit numbers to 20, including zero.	● Textbook 1A – Unit 4, Addition and subtraction within 10 (2), Lessons 7–9 and 12 ● Textbook 1B – Unit 7, Addition within 20, Lessons 1–6 ● Textbook 1B – Unit 8, Subtraction within 20, Lessons 1–4	● Textbook 2A – Unit 2, Addition and subtraction (1), Lessons 9–12
	● Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ☐ − 9.	● Textbook 1A – Unit 3, Addition and subtraction within 10 (1), Lesson 6 ● Textbook 1A – Unit 4, Addition and subtraction within 10 (2), Lessons 1, 2 and 7–12 ● Textbook 1B – Unit 7, Addition within 20, Lesson 6 ● Textbook 1B – Unit 8, Subtraction within 20, Lessons 5, 7 and 8 ● Textbook 1B – Unit 9, Numbers to 50, Lessons 10 and 11 ● Textbook 1B – Unit 10, Introducing length and height, Lesson 5 ● Textbook 1B – Unit 11, Introducing weight and volume, Lesson 7 ● Textbook 1C – Unit 17, Time, Lesson 7	● Textbook 2C – Unit 12, Problem solving and efficient methods, Lessons 10
Number – multiplication and division	● Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.	● Textbook 1C – Unit 12, Multiplication, Lessons 2–6 ● Textbook 1C – Unit 13, Division, Lessons 1–5	● Textbook 2A – Unit 5, Multiplication and division (1), Lessons 1 and 3
Number – fractions	● Recognise, find and name a half as one of two equal parts of an object, shape or quantity.	● Textbook 1C – Unit 14, Halves and quarters, Lessons 1, 2 and 5	● Textbook 2B – Unit 10, Fractions, Lessons 1–4

National curriculum programmes of study Year 1		*Power Maths*	
Domain	**Pupils should be taught to:**	**Year 1**	**Year 2**
	● Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.	● Textbook 1C – Unit 14, Halves and quarters, Lessons 3–5	● Textbook 2B – Unit 10, Fractions, Lessons 5 and 6
Measurement	● Compare, describe and solve practical problems for: – lengths and heights (for example, long/short, longer/shorter, tall/short, double/half) – mass/weight (for example, heavy/light, heavier than, lighter than) – capacity and volume (for example, full/empty, more than, less than, half, half full, quarter) – time (for example, quicker, slower, earlier, later).	● Textbook 1B – Unit 10, Introducing length and height, Lessons 1 and 5 ● Textbook 1B – Unit 11, Introducing weight and volume, Lessons 1–7 ● Textbook 1C – Unit 17, Time, Lessons 6 and 7	● Textbook 2B – Unit 8, Length and height, Lesson 1 ● Textbook 2C – Unit 14, Weight, volume and temperature, Lessons 1 and 5
	● Measure and begin to record the following: – lengths and heights – mass/weight – capacity and volume – time (hours, minutes, seconds).	● Textbook 1B – Unit 10, Introducing length and height, Lessons 2–4 ● Textbook 1B – Unit 11, Introducing weight and volume, Lesson 6 ● Textbook 1C – Unit 17, Time, Lesson 5	● Textbook 2B – Unit 8, Length and height, Lessons 1–3 ● Textbook 2C – Unit 13, Time, Lessons 1–9 ● Textbook 2C – Unit 14, Weight, volume and temperature, Lessons 2–4, 6–8
	● Recognise and know the value of different denominations of coins and notes.	● Textbook 1C – Unit 18, Money, Lessons 1–3	● Textbook 2A – Unit 4, Money, Lessons 1, 2, 4–6
	● Sequence events in chronological order using language (for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening).	● Textbook 1C – Unit 17, Time, Lesson 1	
	● Recognise and use language relating to dates, including days of the week, weeks, months and years.	● Textbook 1C – Unit 17, Time, Lesson 2	

National curriculum programmes of study Year 1		*Power Maths*	
Domain	**Pupils should be taught to:**	**Year 1**	**Year 2**
	● Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.	● Textbook 1C – Unit 17, Time, Lessons 3 and 4	● Textbook 2C – Unit 13, Time, Lesson 1
Geometry – properties of shape	● Recognise and name common 2D and 3D shapes, including: – 2D shapes (for example, rectangles (including squares), circles and triangles) – 3D shapes (for example, cuboids (including cubes), pyramids and spheres).	● Textbook 1A – Unit 5, Lessons 1–5	● Textbook 2B – Unit 9, Properties of shapes, Lesson 1
Geometry – position and direction	● Describe position, direction and movement, including whole, half, quarter and three-quarter turns.	● Textbook 1C – Unit 15, Position and direction, Lessons 1–3	● Textbook 2C – Unit 11, Position and direction, Lessons 2 and 3

Year 2

National curriculum programmes of study Year 2		*Power Maths*	
Domain	**Pupils should be taught to:**	**Year 1**	**Year 2**
Number – number and place value	• Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward.	• Textbook 1B – Unit 9, Numbers to 50, Lessons 8 and 9 (2s and 5s) • Textbook 1C – Unit 12, Multiplication, Lesson 1 (2s and 5s)	• Textbook 2A – Unit 1, Numbers to 100, Lessons 9 and 10 • Textbook 2A – Unit 2, Addition and subtraction (1), Lesson 7
	• Recognise the place value of each digit in a two-digit number (tens, ones).	• Textbook 1A – Unit 6, Numbers to 20, Lessons 1 and 2 • Textbook 1B – Unit 9, Numbers to 50, Lesson 3 • Textbook 1C – Unit 16, Numbers to 100, Lessons 3 and 4	• Textbook 2A – Unit 1, Numbers to 100, Lessons 3–5
	• Identify, represent and estimate numbers using different representations, including the number line		• Textbook 2A – Unit 1, Numbers to 100, Lessons 2–6 and 10
	• Compare and order numbers from 0 up to 100; use <, > and = signs.	• Textbook 1A – Unit 6, Numbers to 20, Lessons 8 and 9 (20) • Textbook 1B – Unit 9, Numbers to 50, Lessons 5 and 7 (50) • Textbook 1C – Unit 16, Numbers to 100, Lessons 5 and 6	• Textbook 2A – Unit 1, Numbers to 100, Lessons 6–8
	• Read and write numbers to at least 100 in numerals and in words.	• Textbook 1C – Unit 16, Numbers to 100, Lessons 1 and 2	• Textbook 2A – Unit 1, Numbers to 100, Lessons 1 and 2
	• Use place value and number facts to solve problems.		• Textbook 2C – Unit 12, Problem solving and efficient methods, Lessons 1–5, 7 and 10

National curriculum programmes of study Year 2		*Power Maths*	
Domain	**Pupils should be taught to:**	**Year 1**	**Year 2**
Number – addition and subtraction	• Solve problems with addition and subtraction: – using concrete objects and pictorial representations, including those involving numbers, quantities and measures – applying their increasing knowledge of mental and written methods.	• Textbook 1A – Unit 3, Addition and subtraction within 10 (1), Lesson 6 • Textbook 1A – Unit 4, Addition and subtraction within 10 (2), Lesson 12 • Textbook 1B – Unit 7, Addition within 20, Lesson 6 • Textbook 1B – Unit 8, Subtraction within 20, Lesson 8 • Textbook 1B – Unit 9, Numbers to 50, Lessons 10 and 11	• Textbook 2A – Unit 2, Addition and subtraction (1), Lessons 3–12 • Textbook 2A – Unit 3, Addition and subtraction (2), Lessons 1–9 • Textbook 2B – Unit 8, Length and height, Lesson 5 • Textbook 2C – Unit 12, Problem solving and efficient methods, Lessons 5, 8, 9 and 11
	• Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.	• Textbook 1C – Unit 16, Numbers to 100, Lessons 8 and 9	• Textbook 2A – Unit 2, Addition and subtraction (1), Lessons 1–5
	• Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: – a two-digit number and ones. – a two-digit number and tens – two two-digit numbers. – adding three one-digit numbers.		• Textbook 2A – Unit 2, Addition and subtraction (1), Lessons 6, 8–12 • Textbook 2A – Unit 3, Addition and subtraction (2), Lessons 1–7 • Textbook 2C – Unit 12, Problem solving and efficient methods, Lesson 10
	• Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.		• Textbook 2A – Unit 2, Addition and subtraction (1), Lesson 2
	• Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.		• Textbook 2A – Unit 2, Addition and subtraction (1), Lesson 2 • Textbook 2C – Unit 12, Problem solving and efficient methods, Lessons 1, 3, 4, 6, 7 and 11
Number – multiplication and division	• Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.		• Textbook 2A – Unit 5, Multiplication and division (1), Lessons 6–8 • Textbook 2B – Unit 6, Multiplication and division (2), Lessons 3–6

National curriculum programmes of study Year 2		*Power Maths*	
Domain	**Pupils should be taught to:**	**Year 1**	**Year 2**
	● Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs.		● Textbook 2A – Unit 5, Multiplication and division (1), Lessons 2 and 5 ● Textbook 2B – Unit 6, Multiplication and division (2), Lessons 1 and 2
	● Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.		● Textbook 2C −– Unit 12, Problem solving and efficient methods, Lesson 12
	● Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.		● Textbook 2A – Unit 5, Multiplication and division (1), Lessons 2–5 and 9 ● Textbook 2B – Unit 6, Multiplication and division (2), Lessons 1–3 and 7–9 ● Textbook 2C – Unit 12, Problem solving and efficient methods, Lesson 12
Number – fractions	● Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity.		● Textbook 2B – Unit 10, Fractions, Lessons 5–7 and 10–12
	● Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.		● Textbook 2B – Unit 10, Fractions, Lessons 8, 9, 13 and 14
Measurement	● Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels.	● Textbook 1B – Unit 10, Introducing length and height, Lessons 4 and 5	● Textbook 2B – Unit 8, Length and height, Lessons 1 and 2 ● Textbook 2C – Unit 14, Weight, volume and temperature, Lessons 2–4 and 6–10

National curriculum programmes of study Year 2		*Power Maths*	
Domain	**Pupils should be taught to:**	**Year 1**	**Year 2**
	● Compare and order lengths, mass, volume/capacity and record the results using >, < and =.	● Textbook 1B – Unit 11, Introducing weight and volume, Lessons 3 and 6	● Textbook 2B – Unit 8, Length and height, Lessons 3 and 4 ● Textbook 2C – Unit 14, Weight, volume and temperature, Lessons 1 and 3–5
	● Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.	● Textbook 1C – Unit 18, Money, Lesson 3	● Textbook 2A – Unit 4, Money, Lessons 1–3
	● Find different combinations of coins that equal the same amounts of money.		● Textbook 2A – Unit 4, Money, Lessons 4 and 5
	● Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.		● Textbook 2A – Unit 4, Money, Lessons 6–9
	● Compare and sequence intervals of time.		● Textbook 2C – Unit 13, Time, Lessons 5, 6 and 8
	● Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.		● Textbook 2C – Unit 13, Time, Lessons 2 and 3
	● Know the number of minutes in an hour and the number of hours in a day.		● Textbook 2C – Unit 13, Time, Lessons 4, 7 and 9
Geometry – properties of shapes	● Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line.		● Textbook 2B – Unit 9, Properties of shapes, Lessons 2–5
	● Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.	● Textbook 1A – Unit 5, 2D and 3D shapes, Lesson 4	● Textbook 2B – Unit 9, Properties of shapes, Lessons 8–10

National curriculum programmes of study Year 2		*Power Maths*	
Domain	**Pupils should be taught to:**	**Year 1**	**Year 2**
	● Identify 2D shapes on the surface of 3D shapes (for example, a circle on a cylinder and a triangle on a pyramid).	● Textbook 1A – Unit 5, 2D and 3D shapes, Lesson 4	● Textbook 2B – Unit 9, Properties of shapes, Lesson 8
	● Compare and sort common 2D and 3D shapes and everyday objects.	● Textbook 1A – Unit 5, 2D and 3D shapes, Lesson 3	● Textbook 2B – Unit 9, Properties of shapes, Lessons 1, 6 and 11
Geometry – position and direction	● Order and arrange combinations of mathematical objects in patterns and sequences.	● Textbook 1A – Unit 5, 2D and 3D shapes, Lesson 5	● Textbook 2B – Unit 9, Properties of shapes, Lessons 7 and 12 ● Textbook 2C – Unit 11, Position and direction, Lesson 4
	● Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).		● Textbook 2C – Unit 11, Position and direction, Lessons 1–4
Statistics	● Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.		● Textbook 2B – Unit 7, Statistics, Lessons 1–6
	● Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.		● Textbook 2B – Unit 7, Statistics, Lessons 4–7
	● Ask and answer questions about totalling and comparing categorical data.		● Textbook 2B – Unit 7, Statistics, Lessons 4–7