Eastfield Mathematics Expectations

Pupil's Name: _____ **Year 2 Mathematician**

	TARGETS	SEEN	SECURE
	Number - Place Value		
1	I can count in steps of 2, 3 and 5 from 0 and in tens from any number, forwards and backwards.		
2	I can read and write numbers to at least 100 in numerals and in words.		
3	I recognise the place value of each digit in a 2-digit number (tens and ones).		
4	I can compare and order numbers from 0 up to 100; using < > = signs.		
5	I can identify, represent and estimate numbers using different representations, including the number line.		
6	I can use place value and number facts to solve problems.		
	Number - Addition and Subtraction		
7	I can recall and use addition and subtraction facts to 20 **FLUENTLY** and derive and use related facts up to 100 (3+7 = 10 so 30+70 = 100)		
8	I know that numbers can be added in any order (commutative) and understand that subtraction of one number from another cannot (unless using negative numbers).		
9	I can add and subtract a 2-digit number and ones using concrete objects, pictorial representations and mental methods.		
10	I can add and subtract a 2-digit number and tens using concrete objects, pictorial representations and mental methods.		
11	I can add and subtract two 2-digit numbers using concrete objects, pictorial representations and mental methods.		
12	I can add three 1-digit numbers using concrete objects, pictorial representations and mental methods.		
13	I recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.		
14	I can solve problems with addition and subtraction including those involving numbers, quantities and measures, applying an increasing knowledge of mental and written methods.		
	Number – Multiplication and Division		
15	I can double and halve numbers to 100.		
16	I can recognise odd and even numbers.		
17	I can recall and use multiplication facts for the 10x, 2x and 5x tables.		
18	I can recall and use division facts for the 2x,5x and 10x tables.		
19	I can calculate mathematical statements for multiplication and division and write them using x, ÷ and =.		
20	I can solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and facts (including problems in context).		
21	I know that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.		
	Number - Fractions		
22	I recognise the equivalence of 2/4 and □.		
23	I recognise, find, name and write fractions, □, 2/4 and 3/4 of a shape or length.		
24	I recognise, find, name and write fractions 1/3 of a shape or length.		
25	I recognise, find, name and write fractions □, 2/4 and 3/4 of a set of objects or quantity.		
26	I recognise, find, name and write fractions 1/3 of a set of objects or quantity.		
27	I can write simple fractions (e.g. □ of 6=3).		
	Measurement		
28	I can choose and use standard units to estimate and measure length/height in any direction in m and cm using rulers.		
29	I can choose and use standard units to estimate and measure mass in kg and g using scales.		
30	I can choose and use standard units to estimate and measure temperature in °C using thermometers.		
31	I can choose and use standard units to estimate and measure capacity in l and ml using measuring vessels.		

32	I can compare and order length/height, mass, capacity and record the results using > < and =.		
33	I recognise and use symbols for £ and p and combine amounts to make a value.		
34	I can find different combinations of coins that equal the same amount of money.		
35	I can solve simple problems in a practical context involving addition and subtraction of money of the same units, including giving change.		
36	I can tell and write the time to five minutes, including quarter to/past the hour and draw the hands on a clock face to show these times.		
37	I can compare and sequence intervals of time.		
38	I know the number of minutes in an hour and the number of hours in a day.		
	Geometry – Properties of Shapes		
39	I can identify and describe the properties of 2D shapes, including the number of sides and line of symmetry in a vertical line.		
40	I can identify and describe the properties of 3D shapes including the number of edges, vertices and faces.		
41	I can identify 2D shapes on the surface of 3D shapes (e.g. a circle on a cylinder).		
42	I can compare and sort common 2D and 3D shapes and everyday objects.		
	Geometry – Position and Direction		
43	I can order and arrange combinations of mathematical objects in patterns and sequences.		
44	I can use mathematical vocabulary to describe position *(inside, between, nearest, closest)* direction and movement, including movement in a straight line *(left, right, forward, backward and movement in a straight line or full turn).*		
45	I can distinguish between rotation as a turn and in terms of right angles for quarter, half and three – quarter turns.		
	Statistics		
46	I can interpret and construct simple pictograms, tally charts, block diagrams and simple tables.		
47	I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.		
48	I can ask and answer questions about totalling and comparing grouped data e.g. hair colour, favourite things.		