Highgate Primary
Year 2 Maths Curriculum

WALT: We Are Learning To
WAP: We Are Practising

Number
Measurement
Geometry
Statistics

Spring 1: On the Move

Week	Unit	National Curriculum objectives Possible lesson objectives	White Rose Maths (WRM) 'small steps'	Models and images representing number Key vocabulary	Reasoning (in addition to WRM questions)	Fluency
1	**Number** **Calculation: Multiplication and division (2)**					
	• calculate mathematical statements for division [.] and write them using the division (÷) and equals (=) signs • solve problems involving division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. WALT make equal groups by sharing fairly WALT divide by sharing WALT make equal groups of a known size WALT divide by grouping	• Make equal groups – sharing *(WRM revision)* • Make equal groups – sharing • Make equal groups – grouping *(WRM revision)* • Make equal groups - grouping	Cubes, objects, bar model, Cuisenaire rods, base-10, circles for grouping	**Can You Find?** A number that you can make with groups of 2 and also with groups of 5? **Your Turn** Write a problem which uses this equation to describe sharing, and one which uses it to describe grouping: 15 ÷ 5 = 3 **NRICH Birthday Sharing**	Place value – tens and ones Number facts: bonds to 20 and matching subtraction facts
2	• recall and use division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers • calculate mathematical statements for division [.] and write them using the division (÷) and equals (=) signs • show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot • solve problems involving division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. WALT divide by 2 WALT relate odd and even numbers to dividing by 2	• Divide by 2 • Odd and even numbers • Divide by 5 • Divide by 10	Cubes, bar model, counters, Numicon, base-10, coins, arrays, printed and empty numberlines	**Prove It** Which four equations link these numbers? 3, 5, 15? Prove it. **Spot the Mistake** 2 x 5 = 10 5 x 2 = 10 10 ÷ 2 = 5 2 ÷ 10 = 5 **NRICH Even and Odd** **NRICH How Odd** **NRICH Two Numbers Under the Microscope**	Counting in different multiples Number facts: two times table and matching division facts

	WALT divide by 5 WALT divide by 10 WALT use a numberline to divide by 2, 5 or 10				
3	**Statistics**				
	• interpret and construct simple pictograms, tally charts and simple tables • ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. WALT collect data using a tally chart WALT read a pictogram WALT use a pictogram to display data WALT interpret a pictogram	• Make tally charts • Draw pictograms (1-1) • Interpret pictograms (1-1)	-	**Spot the mistake** Ask a questions that can't be answered from the pictogram. **What's the same, what's different?** Tally charts vs. pictograms **NRICH Sort the Street**	Number bonds to 10, 20 and adding to 100 Number facts: doubles and halves to 20
4	• interpret and construct simple pictograms, block diagrams and simple tables • ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity • ask and answer questions about totalling and comparing categorical data WALT display data using different scales WALT read pictograms using different scales WALT interpret a block diagram WALT draw a block diagram WALT use a block diagram to answer questions about data	• Draw pictograms (2, 5 and 10) • Interpret pictograms (2, 5 and 10) • Block diagrams	Cubes	**What's the same, what's different?** Pictograms with different scales, pictograms vs. block diagrams **Convince me…** …that a pictogram is better than a block diagram (or vice versa) **NRICH Ladybird Count** **NRICH Sticky Data**	Mental adding and subtracting Number facts: ten times table and matching division facts
5	**Geometry** **Properties of shape (1)**				
	• *identify and describe the properties of 2-D shapes, including the number of sides* • *identify and describe the properties of 3-D shapes* WALT recognise and name common 2-D shapes WALT recognise and name common 3-D shapes WALT find 2-D and 3-D shapes in the environment WALT count sides and vertices on 2-D shapes WALT make and draw different 2-D shapes	• Recognise 2-D and 3-D shapes • Count sides on 2-D shapes • Count vertices on 2-D shapes • Draw 2-D shapes	Shapes on geoboards and dotty paper	**Always, sometimes, never** Is it always, sometimes or never true that when you fold a square in half you get a rectangle? **NRICH Let's Investigate Triangles** (online or adapt for geoboards) **NRICH Complete the Square** **NRICH Shapely Lines** **NRICH Chain of Changes**	Mental adding and subtracting Number facts: five times table

6	• *identify and describe the properties of 2-D shapes, including line symmetry in a vertical line* • *compare and sort common 2-D shapes and everyday objects* WALT understand lines of symmetry WALT identify lines of symmetry in 2-D shapes WALT sort 2-D shapes according to their properties WALT make repeating patterns with 2-D shapes	• Lines of symmetry • Sort 2-D shapes • Make patterns with 2-D shapes	Venn diagrams	**NRICH Colouring Triangles** **NRICH Triangle or No Triangle?** **NRICH Matching Triangles** **NRICH Repeating Patterns** **NRICH Circles, Circles**	Using < and > to compare Number facts: 5 times table division