Highgate Primary
Year 2 Maths Curriculum

WALT: We Are Learning To
WAP: We Are Practising

Number
Measurement
Geometry
Statistics

Autumn 2: The Great Fire of London

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: Addition and subtraction (2)**					
	• solve problems with addition and subtraction • recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 • add three 1-digit numbers WALT make number bonds to 10 WALT use related facts to find bonds to 100 WALT to find other bonds to 100 WAP number bonds to 10, 20 and 100 WALT to add 3 numbers		• Find and make number bonds *(WRM revision)* • Bonds to 100 (tens) *out of sequence* • Bonds to 100 (tens and ones) • Adding 3 numbers	Ten-frame, counters, part-whole model, base-10, Cuisenaire rods	**Continue the pattern** 90 = 100 – 10 80 = 100 – 20 Can you make up a similar pattern starting with the numbers 74, 26 and 100? **What's the same, what's different** between different magic squares **Other possibilities** ___ + ___ + ____ = 14 What single digit numbers could go in the boxes? How many different ways can you do this? **NRICH Number Round Up** **NRICH Jumping Squares** **NRICH Birthday Cakes**	Place value Number facts: Two times table division
2	**Measurement** **Money**					
	• recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value • find different combinations of coins that equal the same amounts of money WALT recognise coins and notes WALT count pence WALT count money WALT select money to make an amount WALT make an amount in different ways		• Recognising coins and notes • Count money - pence • Count money - pounds • Count money – notes and coins • Select money • Make the same amount	Coins and notes, bar model, part-whole model, base-10	**Possibilities** How many different ways can you make 63p using only 20p, 10p and 1p coins? **The answer is…** 55p; what's the question? **NRICH Five Coins**	Mental + and – Number facts: doubles and halves to 20

3	• solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change WALT compare amounts of money WALT add amounts of money WALT find the difference between amounts of money WALT calculate change WALT solve two-step money problems	• Compare money • Find the total • Find the difference • Find change • Two-step problems	Coins and notes, bar model, empty numberline, column layout	**Working backwards** I bought a pencil for 40p and a rubber for 25p. I have £1.35 left. How much money did I have to start with? **NRICH The Puzzling Sweet Shop** **NRICH Fruity Pairs**	Mental + and - Number facts: ten times table
4	**Number** **Calculation: Multiplication and division (1)**				
	• calculate mathematical statements for multiplication within the multiplication tables and write them using the multiplication (x) and equals (=) signs • solve problems involving multiplication, using materials, repeated addition, mental methods, and multiplication facts, including problems in contexts. WALT tell if a group is equal or unequal WALT make equal groups WALT add equal groups WALT add equal groups using a numberline WALT write multiplication equations	• Recognise equal groups *(WRM Spring term)* • Make equal groups *(Spring term)* • Add equal groups *(Spring term)* • Multiplication sentences using the x symbol *(Spring term)*	Cubes, coins, base-10, Numicon	**True or False** All numbers can be divided into equal groups. Explain your answer. **Spot the Mistake** 2 x 4 = 2 + 2 + 2 + 2 5 x 3 = 5 + 5 + 5 10 x 5 = 5 + 5 + 5 + 5 + 5 **NRICH Lots of Lollies**	Mental money calculations Number facts: 10 times table division
5	• calculate mathematical statements for multiplication [.] and write them using the × and = signs • solve problems involving multiplication, using materials, arrays, repeated addition, mental methods, and multiplication facts, including problems in contexts. WALT turn pictures into multiplication equations WALT make arrays WALT show equations as arrays WALT reason about arrays WALT double numbers	• Multiplication sentences from pictures *(WRM Spring term)* • Making arrays *(WRM revision, Autumn term)* • Use arrays *(Spring term)* • Make doubles *(WRM revision)*	Counters, arrays, ten frames, Numicon, cubes **Introduce** Circles for grouping	**Find all the Possibilities** How many different arrays can you make with 12 counters? 20 counters? Which number of counters under 30 has the greatest number of different arrays? **NRICH Doing and Undoing** **NRICH Magic Plant** **NRICH The Amazing Splitting Plant**	Times table revision Number facts: adding and subtracting 1-digit numbers
6	• recall and use multiplication facts for the 2 and 5	• Two times table *(WRM Spring term)*	Number tracks, coins, Numicon, hands, printed	**Making Links / Prove It** Use a numberline to show that 5 x 4 = 4	Fact families

	multiplication tables • calculate mathematical statements for multiplication [.] and write them using the × and = signs • show that multiplication of two numbers can be done in any order (commutative) • solve problems involving multiplication, using materials, arrays, repeated addition, mental methods, and multiplication facts, including problems in contexts. WAL the two times table WALT show the two times table on a numberline WAL the five times table WALT show the five times table on a numberline WALT multiplication obeys the commutative law	• Five times table *(Spring term)*	or empty numberlines, bar model	x 5 **NRICH Number Detective (ext. Which clues are not needed to find the answer?)** **NRICH Clapping Times**	Number facts: bonds to 10 and 20 and matching – facts
7	• recall and use multiplication facts for the 10 multiplication table • calculate mathematical statements for multiplication [.] and write them using the × and = signs • solve problems involving multiplication, using materials, arrays, repeated addition, mental methods, and multiplication facts, including problems in contexts. WAL the ten times table WALT show the ten times table on a numberline	• 10 times table *(WRM Spring term)*	Base-10	**NRICH Tables Teaser**	