Highgate Primary
Year 3 Maths Curriculum

WALT: We Are Learning To
WAP: We Are Practising

Summer 1: From Source to Sea

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 Fractions (3)**					
	• add and subtract fractions with the same denominator within one whole [for example, 7 5 + 7 1 = 7 6] • solve problems that involve all of the above WALT add fractions with the same denominator WALT subtract fractions with the same denominator WAP calculating with fractions	• Add fractions • Subtract fractions	Bar model, part-whole model	**What do you notice?** 1/10 + 9/10 = 1 2/10 + 8/10 = 1 3/10 + 7/10 = 1 Continue the pattern Can you make up a similar pattern for eighths? **The answer is…** 5/10, what is the question? (involving adding and/or subtracting fractions.)	1, 10 or 100 more or less / counting in 10s or 100s from any number Number facts: doubles and halves to 20
2	**Measurement Time**					
	• tell and write the time from an analogue clock • estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours WALT use a calendar WAL the number of days in each month WAP telling the time to the nearest 5 minutes past the hour WAP telling the time to the nearest 5 minutes to the hour WALT tell the time to the nearest minute	• Months and years • Telling the time to 5 minutes • Telling the time to the minute	-	**Always, sometimes, never** Twenty to is later than half past **NRICH Clocks** **NRICH Two Clocks** **NRICH Approaching Midnight**	Bonds to 100 and 1000 Number facts: six times table
3		• tell and write the time from an analogue clock and 12-hour and 24-hour clocks • estimate and read time with increasing accuracy to the nearest minute; record and compare time	• Hours in a day • Using a.m. and p.m. • 24-hour clock	-	**What do you notice?** What do you notice? 1 minute = 60 seconds 2 minutes = 120 seconds	Four operations with money Number facts: six times

	in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight • know the number of days in each month, year and leap year • compare durations of events [for example to calculate the time taken by particular events or tasks] WAL the difference between analogue and digital time WALT tell the time to the nearest minute using digital and analogue clocks WALT use the number of hours in a day WALT use a.m. and p.m. times WALT understand time using a 24-hour clock			Continue the pattern Write down some more time facts like these. **What's the same, what's different** between analogue time and digital time? **NRICH How Many Times?** **NRICH The Time is…** **NRICH Watch the Clock** (hard!)	table division
4	• know the number of seconds in a minute • compare durations of events [for example to calculate the time taken by particular events or tasks] WALT the find the duration of an event WALT compare durations WALT use duration to calculate the start or end time of an event WALT use equipment to accurately measure time	• Finding the duration • Comparing durations • Start and end times • Measuring time in seconds	Bar model **Introduce** Numberline as timeline	**Undoing** A programme lasting 45 minutes finishes at 5.20. At what time did it start? Draw the clock at the start and finish time. **Working backwards** Tom's bus journey takes half an hour. He arrives at his destination at 9:25. At what time did his bus leave? 9:05 8:55 8:45 **The answer is ….** 25 minutes What is the question? **NRICH Wonkey Watches**	Mental addition and subtraction Number facts: five times table and division
5	**Geometry Shape (1)**				
	• recognise angles as a property of shape or a description of a turn • identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle WAP turning WALT identify right angles	• Turns and angles • Right angles in shapes • Compare angles • Draw accurately	-	**Always, sometime, never** Pentagons have right angles. **Odd one out** Pick three different shapes that you can see in the classroom. Which is the odd one out? Explain why? **Prove it** Can a triangle have 2 right angles? Prove your answer. **NRICH Seeing Squares**	Unit and non-unit fractions of amounts Number facts: 3 and 4 times tables and division

	WAL about acute and obtuse angles WALT find and classify angles WALT draw a straight line of an exact length				
6	• draw 2-D shapes • identify horizontal and vertical lines and pairs of perpendicular and parallel lines WALT identify horizontal and vertical lines WALT identify parallel and perpendicular lines WAP using lines to create patterns and shapes WALT describe and recognise 2-D shapes	• Horizontal and vertical • Parallel and perpendicular • Recognise and describe 2-D shapes	-	**What's the same, what's different?** About these three 2-D shapes? **Convince me** Which capital letters have perpendicular and / or parallel lines? Convince me **NRICH Board Block** or **Board Block Challenge** **NRICH Overlapping Again** **NRICH National Flags**	Using known facts to calculate multiplication and division Number facts: 6 times table and division