



## Year 5 Maths Long term plan 2022-2023

Autumn term		Spring term *Awaiting new small steps from White Rose		Summer term *Awaiting new small steps from White Rose	
Week	Topic	Week	Topic	Week	Topic
1 6 <sup>th</sup> Sept	<b>Number: Place Value</b> - How do we identify numbers by their place values? - How can we represent 4 digit numbers? - How do we represent the value of 4/5 digit numbers?	1 3 <sup>rd</sup> Jan	Adding Fractions	1 25 <sup>th</sup> Apr	Fractions of quantities and amounts
2 13 <sup>th</sup> Sept	<b>Place value</b> - How can we read, write and represent 5-digit numbers? - How do we compare and order numbers to 100,000? - How do we round numbers to the nearest 10, 100, 1000?	2 10 <sup>th</sup> Jan	Adding Fractions	2 2 <sup>nd</sup> May (4)	Decimals and percentages
3 20 <sup>th</sup> Sept	<b>Place value</b> - How do we round numbers to the nearest 100? - How do we round numbers to the nearest 1000? - How do we round numbers to the nearest 10,000? - How do we round numbers to the nearest 100,000? - What is the Power of 10? - What is 10/100/1,000/10,000/100,000 more or less than a number	3 17 <sup>th</sup> Jan	Adding Fractions	3 9 <sup>th</sup> May	Decimals and percentages
4 27 <sup>th</sup> Sept	<b>Place value – Negative Numbers</b> - How do we count and use number lines for negative numbers? - How do we interpret negative numbers in context? - How do we solve puzzles and problems with negative numbers? - How do we read and write using Roman numerals?	4 24 <sup>th</sup> Jan	Subtracting Fractions	4 16 <sup>th</sup> May	Decimals and percentages
5 4 <sup>th</sup> Oct	<b>Number: Fractions</b> - How do you find fractions equivalent to a unit fraction - How do you find fractions equivalent to a non-unit fraction - How do you recognise equivalent fractions - How do you convert improper fractions to mixed numbers	5 31 <sup>st</sup> Jan	Number: Multiplication and Division (Multiples, Factors and Common Factors, square and cubed numbers)	5 23 <sup>rd</sup> May	Geometry: position and direction

6 11 <sup>th</sup> Oct	<b>Number: Fractions</b> <ul style="list-style-type: none"> <li>- How do you convert mixed numbers to improper fractions</li> <li>- How do you compare fractions less than 1</li> <li>- How do you order fractions less than 1</li> <li>- Compare and order fractions greater than 1</li> </ul>	6 7 <sup>th</sup> Feb	Number: Multiply and Divide by 10, 100, 1000	30 <sup>th</sup> May	Half term
7 18 <sup>th</sup> Oct	<b>Number: Addition/Subtraction</b> Mental Addition/subtraction <ul style="list-style-type: none"> <li>- How do we calculate additions mentally?</li> <li>- How do we add numbers using manipulatives?</li> <li>- How do we add numbers pictorially?</li> <li>- How do we add numbers with four or more digits? (formal method)</li> </ul>	7 14 <sup>th</sup> Feb	Number: Multiply and Divide by 10, 100, 1000	6 6 <sup>th</sup> June	Geometry: position and direction
25 <sup>th</sup> Oct	Half term	21 <sup>st</sup> Feb	Half term	7 13 <sup>th</sup> June	Number: Adding and Subtracting Decimals
8 1 <sup>st</sup> Nov	<b>Number: Subtraction</b> <ul style="list-style-type: none"> <li>- How do we calculate subtractions mentally?</li> <li>- How do we subtract numbers using manipulatives?</li> <li>- How do we subtract numbers pictorially?</li> <li>- How do we subtract numbers with four or more digits? (formal method)</li> </ul>	8 28 <sup>th</sup> Feb	Number: Multiplication (Written Formal Methods)	8 20 <sup>th</sup> June	Number: Adding and Subtracting Decimals
9 8 <sup>th</sup> Nov	<b>Number: Addition/Subtraction</b> <ul style="list-style-type: none"> <li>- How do we round to check answers</li> <li>- How do we use the inverse operations (addition and subtraction)</li> <li>- How do we solve multi-step addition and subtraction problems</li> </ul>	9 7 <sup>th</sup> Mar	Number: Multiplication (Written Formal Methods)	9 27 <sup>th</sup> Jun	Number: Decimals
10 15 <sup>th</sup> Nov	<b>Number: addition and subtraction</b> <ul style="list-style-type: none"> <li>- How do we solve multi-step addition and subtraction problems</li> <li>- How do we compare calculation</li> <li>- How do we find missing numbers</li> </ul>	10 14 <sup>th</sup> Mar	Number: Division (Formal Written Methods)	10 29 <sup>th</sup> Jun	Measurement: Perimeter
11 22 <sup>nd</sup> Nov	<b>Measurement: converting metric</b> <i>(can't update as WhiteRose Plans not available)</i> <ul style="list-style-type: none"> <li>- How do we convert kg and g and m and km?</li> <li>- How do we convert m and mm and ml and l?</li> <li>- How do we explain the relationship between mm, cm and m?</li> </ul>	11 21 <sup>st</sup> Mar	Number: Division (Formal Written Methods)	11 4 <sup>th</sup> Jul	Measurement: Area
12 29 <sup>th</sup> Nov	<b>Measurement: imperial units and converting units of time</b> <ul style="list-style-type: none"> <li>- How do we convert metric and imperial units?</li> <li>- How do we convert units of time?</li> <li>- How do we read timetables?</li> </ul>	12 28 <sup>th</sup> Mar	Multiplying Fractions	12 11 <sup>th</sup> Jul	Measurement: Volume

13 6 <sup>th</sup> Dec	Geometry: Properties of shape - How do we identify different types of angles? - How do we compare and order angles?	12 4 <sup>th</sup> Apr	Multiplying Fractions	13 18 <sup>th</sup> Jul	Revision/Re-cap week.
---------------------------	---	---------------------------	-----------------------	----------------------------	-----------------------

	- How do we measure angles in degrees with a protractor?				
13 <sup>th</sup> Dec	<b>Geometry: Properties of shape</b> - How do we draw lines and angles accurately? - How do we calculate angles on a straight line? - How do we calculate angles around a point?	11 <sup>th</sup> Apr	Easter holidays		Summer Hols
20 <sup>th</sup>	Christmas holidays	18 <sup>th</sup> Apr	Easter holidays		

Place value	Addition	Subtraction	Multiplication
fractions	Decimals and Percentages	Measurement	Geometry
Division			