



WHEELER
PRIMARY SCHOOL

Mathematics

2021-22

Long-term plan

This document details the topics covered in Mathematics, at Wheeler, from EYFS to Year 6 across the full academic year.

Topics are spread across the three terms and, in some instances, topics have had to be stretched across a half term. This is due to term lengths. It is suggested at these points that time is spent before the half term looking at the concept and allowing children to develop fluency. Reasoning and problem-solving skills/tasks can then be developed after the half term. This has tried to be kept to a minimum.

“Block” approach

Topics are split into “blocks” across the terms. The reason for this is to give enough time to each strand of maths and to allow children to explore concepts much deeper than they would if the curriculum were planned in a way which ‘flitted’. To this end, it is vital that concepts are constantly revised throughout the year in a cross-curricular approach. For example, measures must be taught discretely to ensure children can apply what they know later. This can then be revisited through calculation, statistics and measure, for example.

It is essential that teachers follow the progression of the topics below **in the order which they appear**.

Resources

Where possible, consideration has been given across the year groups to topics which require resources that are outside of “day-to-day” manipulative provision (such as clocks).

Please ensure resources are returned to the classroom responsible for keeping them, in the state which they were found, as soon as you are finished with them.

EYFS

Autumn	<p>Number</p> <p>Developing number sense by focusing on 1 number a week: numbers 1-5 Comparing, sorting, subitising, one more and one less</p>	<p>Addition & Subtraction</p> <p>Introduce zero and number bonds to 5</p>	Half Term	<p>Number</p> <p>Developing number sense by focusing on 1 number a week: numbers 6-10 Comparing, sorting</p>	<p>Addition & Subtraction</p> <p>Number bonds to 10</p>	<p>Measurement</p> <p>Weight and capacity</p>
Spring	<p>Number</p> <p>Use Autumn resources to consolidate numbers 1-10, place value and comparing, sorting and one more/less</p>	<p>Measurement: Time</p>	Half Term	<p>Number</p> <p>Developing Number sense focusing on numbers 11-20</p>	<p>Geometry: spatial awareness, 2D/3D shape and pattern</p>	
Summer	<p>Addition & Subtraction</p> <p>Counting on and back</p>	<p>Multiplication & Division</p> <p>Sharing, doubling & halving</p> <p>Identifying odd and even numbers</p>	Half Term	<p>Measures: Length and height</p>	<p>Preparation for Y1 Number bonds to 10 Counting in 2s, 5s and 10s</p>	

Year 1

Autumn	Number and place value (within 10)	Addition and subtraction (within 10)	Half Term	Geometry: Shape	Number and place value (within 20)	Addition and subtraction (within 20)	
Spring	Number and place value (within 50)	Time	Half Term	Measure: Length and height	Measure: Weight and volume		
Summer	Multiplication and division	Fractions	Half Term	Geometry: position and direction	Number and place value (within 100)	Measure: money	Transition

Year 2

Autumn	Number and place value	Addition and subtraction	Half Term	Measures : Money	Multiplication and division			
Spring	Statistics	Fractions		Half Term	Geometry: Properties of shape	Geometry: Position and direction	Time	Measures: Length and height
Summer	Measures: Mass, capacity and temperature	Pre-SATs Revision Refer to individual class' plan	KS1 SATS	Half Term	Gap analysis based on SATs data Preparation for Year 3 / KS2			Transition

Year 3

Autumn	Number and place value	Addition and subtraction	Half Term	Multiplication and division		
Spring	Fractions		Half Term	Measures: Money	Statistics	
Summer	Measures: Length and perimeter	Geometry: Properties of shape	Half Term	Time	Measures: Mass and capacity	Transition

Year 4

Autumn	Number and place value	Addition and subtraction	Half Term	Multiplication and division	Measures: Money	
Spring	Fractions		Half Term	Decimals	Time	
Summer	Geometry: Properties of shape	Geometry: position and direction	Half Term	Measures: Length, area and perimeter	Statistics	Transition

Year 5

Autumn	Number and place value	Addition and subtraction		Half Term	Multiplication and division <i>Mental facts & factors, multiples, primes, etc...</i>		Measures: Converting Applying mental facts
Spring	Multiplication and division <i>Formal methods</i>	Fractions		Half Term	Decimals <i>Place Value</i>	Percentages	
Summer	Decimals <i>Calculation</i>	Geometry: Properties of shape	Geometry: position and direction	Half Term	Measures: Area, perimeter and volume	Statistics	Transition

Year 6

Autumn	Number and place value	Addition and subtraction	Multiplication and division	Half Term	Fractions	Decimals	Percentages	
Spring	Ratio	Measures: Converting	Geometry: Properties of shape	Half Term	Geometry: Position and direction	Measures: Area, perimeter and volume	Statistics	Algebra
Summer	Pre-SATs Revision Refer to individual class' plan		KS2 SATS	Half Term	Post-SATs Problem Solving		Transition	

