



## **Mathematics Curriculum Overview**

### **Rationale**

We aim to develop every child as a mathematician who is curious, confident and resilient in their approach. Through practical activities, exploration and discussion, we aim for all children to be mentally fluent, able to see patterns and make connections within the number system.

Mastery in maths involves pupils of all ages acquiring a deep, long-term and adaptable understanding of the subject. The phrase 'teaching for mastery' describes the elements of classroom practice and school organisation that combine to give pupils the best chances of mastering mathematics. Achieving mastery means acquiring a solid enough understanding of the maths concepts and processes that have been taught to enable pupils to move on to more advanced material.

### **Structure**

Mathematics is typically taught five times per week and, where possible, daily for a total of five hours and 20 minutes. We use the White Rose Scheme of Learning as a basis for our planning and teaching in all Year Groups from Foundation to Year 6. The scheme is complimented with additional extension and support activities and fluency practice as deemed appropriate by the class teacher. The outline of the scheme for each year group can be seen below. We use these as a basis for the order and content of what we teach without sticking to the timeframe rigidly.

More detail about the content of each unit of learning can be found on the White Rose Website here: <https://whiterosemaths.com/resources/primary>

# FOUNDATION

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<b>Getting to know you</b> (Take this time to play and get to know the children!)			<b>Just like me!</b>			<b>It's me 1, 2, 3!</b>			<b>Light &amp; dark</b>		
	VIEW			VIEW			VIEW			VIEW		
Spring term	<b>Alive in 5!</b>			<b>Growing 6, 7, 8</b>			<b>Building 9 &amp; 10</b>			Consolidation		
	VIEW			VIEW			VIEW					
Summer term	<b>To 20 and beyond</b>			<b>First, then, now</b>			<b>Find my pattern</b>			<b>On the move</b>		
	VIEW			VIEW			VIEW			VIEW		

# YEAR 1

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	
Autumn term	<div>Number</div> <div>Place value</div> <div>(within 10)</div> <div>VIEW</div>					<div>Number</div> <div>Addition and subtraction</div> <div>(within 10)</div> <div>VIEW</div>					<div>Geometry</div> <div>Shape</div> <div>VIEW</div>	<div>Consolidation</div>	
Spring term	<div>Number</div> <div>Place value</div> <div>(within 20)</div> <div>VIEW</div>	<div>Number</div> <div>Addition and subtraction</div> <div>(within 20)</div> <div>VIEW</div>		<div>Number</div> <div>Place value</div> <div>(within 50)</div> <div>VIEW</div>		<div>Measurement</div> <div>Length and height</div> <div>VIEW</div>	<div>Measurement</div> <div>Mass and volume</div> <div>VIEW</div>						
Summer term	<div>Number</div> <div>Multiplication and division</div> <div>VIEW</div>	<div>Number</div> <div>Fractions</div> <div>VIEW</div>	<div>Geometry</div> <div>Position and direction</div> <div>VIEW</div>	<div>Number</div> <div>Place value</div> <div>(within 100)</div> <div>VIEW</div>	<div>Measurement</div> <div>Money</div> <div>VIEW</div>	<div>Measurement</div> <div>Time</div> <div>VIEW</div>	<div>Consolidation</div>						

# YEAR 2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<div>Number</div> <div>Place value</div> <div>VIEW</div>				<div>Number</div> <div>Addition and subtraction</div> <div>VIEW</div>				<div>Geometry</div> <div>Shape</div> <div>VIEW</div>			
Spring term	<div>Measurement</div> <div>Money</div> <div>VIEW</div>	<div>Number</div> <div>Multiplication and division</div> <div>VIEW</div>				<div>Measurement</div> <div>Length and height</div> <div>VIEW</div>	<div>Measurement</div> <div>Mass, capacity and temperature</div> <div>VIEW</div>					
Summer term	<div>Statistics</div> <div>VIEW</div>	<div>Number</div> <div>Fractions</div> <div>VIEW</div>			<div>Geometry</div> <div>Position and direction</div> <div>VIEW</div>		<div>Problem solving</div>		<div>Measurement</div> <div>Time</div> <div>VIEW</div>			

# YEAR 3

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Number Place value VIEW			Number Addition and subtraction VIEW				Number Multiplication and division VIEW				
	Number Multiplication and division VIEW			Measurement Length and perimeter VIEW		Number Fractions VIEW			Measurement Mass and capacity VIEW			
Spring term	Number Fractions VIEW			Measurement Money VIEW		Measurement Time VIEW			Geometry Shape VIEW		Statistics VIEW	
	Summer term			Consolidation								

# YEAR 4

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<div>Number</div> <div>Place value</div> <div>VIEW</div>				<div>Number</div> <div>Addition and subtraction</div> <div>VIEW</div>		<div>Measurement Area</div> <div>VIEW</div>	<div>Number</div> <div>Multiplication and division</div> <div>VIEW</div>		<div>Consolidation</div>		
Spring term	<div>Number</div> <div>Multiplication and division</div> <div>VIEW</div>		<div>Measurement</div> <div>Length and perimeter</div> <div>VIEW</div>		<div>Number</div> <div>Fractions</div> <div>VIEW</div>			<div>Number</div> <div>Decimals</div> <div>VIEW</div>				
Summer term	<div>Number</div> <div>Decimals</div> <div>VIEW</div>		<div>Measurement</div> <div>Money</div> <div>VIEW</div>		<div>Measurement</div> <div>Time</div> <div>VIEW</div>		<div>Consolidation</div>	<div>Geometry</div> <div>Shape</div> <div>VIEW</div>		<div>Statistics</div> <div>VIEW</div>	<div>Geometry</div> <div>Position and direction</div> <div>VIEW</div>	

# YEAR 5

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<div>Number</div> <div>Place value</div> <div>VIEW</div>			<div>Number</div> <div>Addition and subtraction</div> <div>VIEW</div>		<div>Number</div> <div>Multiplication and division</div> <div>VIEW</div>		<div>Number</div> <div>Fractions A</div> <div>VIEW</div>				
Spring term	<div>Number</div> <div>Multiplication and division</div> <div>VIEW</div>			<div>Number</div> <div>Fractions B</div> <div>VIEW</div>		<div>Number</div> <div>Decimals and percentages</div> <div>VIEW</div>		<div>Measurement</div> <div>Perimeter and area</div> <div>VIEW</div>		<div>Statistics</div> <div>VIEW</div>		
Summer term	<div>Geometry</div> <div>Shape</div> <div>VIEW</div>			<div>Geometry</div> <div>Position and direction</div> <div>VIEW</div>		<div>Number</div> <div>Decimals</div> <div>VIEW</div>		<div>Number</div> <div>Negative numbers</div> <div>VIEW</div>	<div>Measurement</div> <div>Converting units</div> <div>VIEW</div>		<div>Measurement</div> <div>Volume</div> <div>VIEW</div>	

## YEAR 6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Number <b>Place value</b> <a href="#">VIEW</a>		Number <b>Addition, subtraction, multiplication and division</b> <a href="#">VIEW</a>				Number <b>Fractions A</b> <a href="#">VIEW</a>		Number <b>Fractions B</b> <a href="#">VIEW</a>		Measurement <b>Converting units</b> <a href="#">VIEW</a>	
Spring term	Number <b>Ratio</b> <a href="#">VIEW</a>		Number <b>Algebra</b> <a href="#">VIEW</a>		Number <b>Decimals</b> <a href="#">VIEW</a>		Number <b>Fractions decimals and percentages</b> <a href="#">VIEW</a>		Measurement <b>Area, perimeter and volume</b> <a href="#">VIEW</a>		<b>Statistics</b> <a href="#">VIEW</a>	
Summer term	Geometry <b>Shape</b> <a href="#">VIEW</a>		Geometry <b>Position and direction</b> <a href="#">VIEW</a>		Themed projects, consolidation and problem solving							