

Intent and Curriculum approach:

As mathematicians at Filton Avenue Primary School, the key aims of the National Curriculum—fluency, problem solving and reasoning—are embedded within mathematics lessons and developed consistently over time. We provide children with a wide range of mathematical opportunities, enabling them to make meaningful connections in their learning. We aim to inspire confident learners who are willing to take risks and who understand that mistakes are an important part of learning. Oracy is central to our approach, supporting the development of mathematical language and reasoning, and we are committed to nurturing independent learners with inquisitive minds.

To ensure consistency and progression across the school, we use the White Rose Maths Schemes of Learning to support teachers in their planning. The scheme is structured in small steps, allowing new concepts to be introduced in manageable stages while systematically building on pupils' prior knowledge.



Being a Mathematician Teaching and Learning Approach:

New concepts are introduced through an 'I Do, We Do, You Do' modelling approach. Teachers first model key concepts, then guide pupils through examples, strategies and problem-solving, before pupils move on to independent application.

We place a strong emphasis on developing pupils' fluency in key number facts. It is essential that children become secure in addition and subtraction facts within 20 and multiplication facts up to 12×12 , as this underpins success across the mathematics curriculum. To support this, Number Sense sessions are embedded within our curriculum from Reception to Year 3, focusing on subitising and securing addition and subtraction facts. From Year 3 to Year 6, pupils follow a consistent and systematic approach to learning times tables, ensuring rapid recall and confident application.

Consistent strategies are used across the school to give pupils opportunities to think deeply and engage in deliberate practice of key concepts and procedures before working independently. Teaching is responsive to pupils' needs, with misconceptions addressed promptly through discussion, modelling and scaffolding. Key mathematical vocabulary is explicitly taught and revisited in every lesson. Concrete manipulatives and pictorial representations are used regularly to help pupils understand the underlying structure of mathematical concepts and to support deeper learning.



Being a Mathematician Teaching and Learning Approach:

A consistent calculation policy is used across the school to ensure clear progression in methods and to support pupils in developing efficient, accurate and flexible strategies. This shared approach enables pupils to build on prior learning, reduces cognitive load, and ensures that methods are applied consistently as they move through the school.

We use the following Calculation Policy to support teaching and learning in mathematics:

[WRM calculation policy 2024 All year groups.pdf](#)

We also provide access to a range of online platforms to support learning both in school and at home. Login details are provided by class teachers:

<https://login.mathletics.com/>

<https://play.numbots.com/#/intro>

<https://play.ttrockstars.com/>

<https://whiterosemaths.com/homelearning/>



Reception

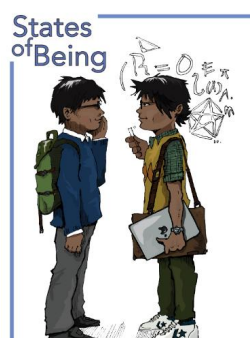
Scheme of learning

Supporting materials

	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	Getting to know you		Match, sort and compare FREE TRIAL <i>Free trial</i> VIEW	Talk about measure and patterns VIEW	It's me 1, 2, 3 VIEW	Circles and triangles VIEW	1, 2, 3, 4, 5 VIEW	Shapes with 4 sides VIEW				
Spring	Alive in 5 VIEW	Mass and capacity VIEW	Growing 6, 7, 8 VIEW	Length, height and time VIEW	Building 9 and 10 VIEW	Explore 3-D shapes VIEW						
Summer	To 20 and beyond VIEW	How many now? VIEW	Manipulate, compose and decompose VIEW	Sharing and grouping VIEW	Visualise, build and map VIEW	Make connections VIEW	Consolidation					

[Reception-small-steps-Autumn.pdf](#)

[Reception-small-steps-Spring.pdf](#)



Year 1 (v3)

Scheme of learning

Supporting materials

	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	Number Place value (within 10) FREE TRIAL VIEW					Number Addition and subtraction (within 10) VIEW					Geometry Shape VIEW	Consolidation
Spring	Number Place value (within 20) VIEW	Number Addition and subtraction (within 20) VIEW			Number Place value (within 50) VIEW	Measurement Length and height VIEW	Measurement Mass and volume VIEW					
Summer	Number Multiplication and division VIEW	Number Fractions VIEW	Geometry Position and direction VIEW	Number Place value (within 100) VIEW	Measurement Money VIEW	Measurement Time VIEW		Consolidation				

[Year-1-Scheme-of-Learning-Small-Steps.pdf](#)

[Year-1-Scheme-of-Learning-Small-Steps-Spring.pdf](#)

[Year-1-Scheme-of-Learning-Small-Steps-Summer.pdf](#)



Year 2 (v3)

Scheme of learning

Supporting materials

	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	Number Place value FREE TRIAL VIEW				Number Addition and subtraction VIEW				Geometry Shape VIEW			
Spring	Measurement Money VIEW		Number Multiplication and division VIEW				Measurement Length and height VIEW		Measurement Mass, capacity and temperature VIEW			
Summer	Number Fractions VIEW			Measurement Time VIEW			Statistics VIEW		Geometry Position and direction VIEW		Consolidation	

[Year 2, Small Steps, Autumn](#)

[Year 2, Small Steps, Spring](#)

[Year 2, Small Steps, Summer](#)



Year 3 (v3)

[Scheme of learning](#)

[Supporting materials](#)

	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	Number Place value FREE TRIAL VIEW			Number Addition and subtraction VIEW				Number Multiplication and division A VIEW				
Spring	Number Multiplication and division B VIEW			Measurement Length and perimeter VIEW		Number Fractions A VIEW		Measurement Mass and capacity VIEW				
Summer	Number Fractions B VIEW		Measurement Money VIEW		Measurement Time VIEW			Geometry Shape VIEW		Statistics VIEW		Consolidation

- [Year 3, Small Steps, Autumn](#)
- [Year 2, Small Steps, Spring](#)
- [Year 3, Small Steps, Summer](#)



Year 4 (v3)

Scheme of learning

Supporting materials

	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	Number Place value FREE TRIAL VIEW				Number Addition and subtraction VIEW		Measurement Area VIEW		Number Multiplication and division A VIEW		Consolidation	
Spring	Number Multiplication and division B VIEW			Measurement Length and perimeter VIEW		Number Fractions VIEW			Number Decimals A VIEW			
Summer	Number Decimals B VIEW		Measurement Money VIEW		Measurement Time VIEW		Consolidation		Geometry Shape VIEW		Statistics VIEW	Geometry Position and direction VIEW

[Year 4, Small Steps, Autumn](#)

[Year 4, Small Steps, Spring](#)

[Year 4, Small Steps, Summer](#)



Year 5 (v3)

Scheme of learning

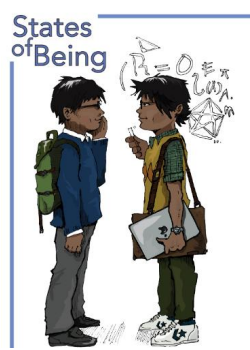
Supporting materials

	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	Number Place value FREE TRIAL VIEW		Free trial VIEW	Number Addition and subtraction VIEW		Number Multiplication and division A VIEW			Number Fractions A VIEW			
Spring	Number Multiplication and division B VIEW			Number Fractions B VIEW		Number Decimals and percentages VIEW			Measurement Perimeter and area VIEW		Statistics VIEW	
Summer	Geometry Shape VIEW			Geometry Position and direction VIEW		Number Decimals VIEW			Number Negative numbers VIEW	Measurement Converting units VIEW		Measurement Volume VIEW

[Year 5, Small Steps, Autumn](#)

[Year 5, Small Steps, Spring](#)

[Year 5, Small Steps, Summer](#)



Year 6 (v3)

[Scheme of learning](#)

[Supporting materials](#)

	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	Number Place value FREE TRIAL VIEW	Free trial VIEW	Number Addition, subtraction, multiplication and division VIEW				Number Fractions A VIEW		Number Fractions B VIEW		Measurement Converting units VIEW	
Spring	Number Ratio VIEW	Number Algebra VIEW		Number Decimals VIEW		Number Fractions, decimals and percentages VIEW		Measurement Area, perimeter and volume VIEW		Statistics VIEW		
Summer	Geometry Shape VIEW		Geometry Position and direction VIEW		Themed projects, consolidation and problem solving VIEW							

[Year 6, Small Steps, Autumn](#)

[Year 6, Small Steps, Spring](#)

[Year 6, Small Steps, Summer](#)