

Our Mathematics Curriculum

Intention:

Our vision for maths is:

For all our pupils to acquire the confidence, skills, knowledge and understanding of number and associated mathematical concepts to live a fully numerate life either within their everyday life or for their future careers.

For all our pupils to have thirst for learning mathematical concepts and be able to ask questions and use their curious, inquisitive minds to seek answers to their own questions.

Implementation:

At Brook, we use the White Rose Maths Scheme, adapting it when necessary for the needs of our cohorts. Our curriculum provides a rich forum for the acquisition of mathematical vocabulary as well as the daily opportunities for systematic investigations and hands on problem-solving, both individually, in pairs and in groups. The use of manipulatives is key within our curriculum. Pupils have regular opportunities to engage in CPA – concrete, pictorial and abstract forms to support their learning progression. The concrete is not only a method of teaching but a method to model and evidence learning at greater depth and demonstrate and explain their reasoning to others.

Our Maths learning is supplemented by a variety of problem-solving and investigations using sites, such as NRich.

Every week, our pupils engage in an active day where maths is taught through physical activity, providing them with an opportunity for kinaesthetic learning, team working skills, peer support, communication and real-life problem solving.

To see progression mapping, please refer to the 'National Curriculum and 'ready to progress mapping' document from White Rose.

Impact:

Our Maths Curriculum provides a sequential progression ensuring pupil's learning develops well and there are no gaps in their mathematical knowledge and skills.

Our pupils acquire skills in explanation, communication, reasoning and investigation through our curriculum. The curriculum provides pupils with a conceptual understanding of maths, in its entirety – not only within the discrete teaching but throughout the wider curriculum.

Our pupils enjoy the challenges the curriculum provides them with.

Year 1 and 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	Number Place value (within 10) VIEW					Number Addition and subtraction (within 10) VIEW					Geometry Shape VIEW	Consolidation
Autumn term	Number Place value VIEW				Number Addition and subtraction VIEW					Geometry Shape VIEW		
Spring term	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			
Spring term	Measurement Money VIEW	Number Multiplication and division VIEW				Measurement Length and height VIEW		Measurement Mass, capacity and temperature VIEW				
Summer term	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	
Summer term	Statistics VIEW	Number Fractions VIEW			Geometry Position and direction VIEW		Problem solving		Measurement Time VIEW			

Year 3 and 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	Number Place value VIEW		Number Addition and subtraction VIEW				Number Multiplication and division VIEW					
Autumn term	Number Place value VIEW			Number Addition and subtraction VIEW		Measurement Area VIEW	Number Multiplication and division VIEW			Consolidation		
Spring term	Number Multiplication and division VIEW		Measurement Length and perimeter VIEW		Number Fractions VIEW		Measurement Mass and capacity VIEW					
Spring term	Number Multiplication and division VIEW		Measurement Length and perimeter VIEW	Number Fractions VIEW			Number Decimals VIEW					
Summer term	Number Fractions VIEW	Measurement Money VIEW	Measurement Time VIEW		Geometry Shape VIEW	Statistics Statistics VIEW		Consolidation				
Summer term	Number Decimals VIEW	Measurement Money VIEW	Measurement Time VIEW	Consolidation			Geometry Shape VIEW	Statistics Statistics VIEW	Geometry Position and direction VIEW			

Year 5 and 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 Place value VIEW		Number Addition and subtraction VIEW		Number Multiplication and division VIEW			Number Fractions A VIEW				
Autumn term	Number Place value VIEW	Number Four operations VIEW				Number Fractions A VIEW		Number Fractions B VIEW		Measurement Converting units VIEW		
Spring term	Number Multiplication and division VIEW		Number Fractions B VIEW		Number Decimals and percentages VIEW		Measurement Perimeter and area VIEW		Statistics VIEW			
Spring term	Number Ratio VIEW	Number Algebra VIEW	Number Decimals VIEW	Number Fractions, decimals and percentages VIEW	Measurement Area, perimeter and volume VIEW		Statistics VIEW					
Summer term	Geometry Shape VIEW		Geometry Position and direction VIEW		Number Decimals VIEW		Number Negative numbers VIEW	Measurement Converting units VIEW		Measurement Volume VIEW		
Summer term	Geometry Shape VIEW		Geometry Position and direction VIEW		Themed projects, consolidation and problem solving							