Maths Long Term Plan

2022-2023

Maths at Wylam First School is an integral part of our STEM curriculum and as such is carefully planned to link with other curriculum disciplines. The intent of our curriculum is to develop curious, independent and resilient learners who understand the importance and relevance of maths in their lives. We are committed to providing children with a foundation for understanding the world, the ability to reason mathematically and a sense of enjoyment and curiosity about the subject. Incorporating a mastery approach allows all children to appreciate the creative nature of maths, and to develop and access challenge. Through this, they will develop the fluency, reasoning and problem solving skills needed in everyday life and future employment. We see each child as a promising mathematician.

The following schemes and resources are used to support our Medium and Short term planning:

- White Rose Maths(Version 3)
- NCETM Curriculum Prioritisation materials
- NRICH problem solving resources

Maths Long Term Plan
2022-23

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Y1	Place Value (within 10) Addition and Subtraction (within 10)	Addition and Subtraction (within 10) Geometry - Shape Place Value (within 20)	Place Value (within 20) Addition and Subtraction (within 20)	Place Value (within 50) Measurement - Length, Height, Mass and Volume	Multiplication and Division Fractions	Place value (within 100) Geometry - position and direction Measurement- Money and Time
	Count in 2s to 24 link even and doubles Count in 10s in order up to 120	Count in 2s to 24 link even and doubles Count in 10s in order up to 120	Count in multiples of 5 up to 60 link to 10s Continue 2s and 10s	Count in multiples of 5 up to 60 link to 10s Continue 2s and 10s	Count in multiples of 10, 2 and 5 fluently	Count in multiples of 10, 2 and 5 fluently
Y2	Place Value Addition and Subtraction	Addition and Subtraction Geometry - Shape	Measurement - Money Multiplication and Division Statistics	Measurement - Length and Height Measurement Mass, Capacity and Temperature Fractions	Statistics Fractions	Geometry - Position and Direction Measurement -TIme
	Consolidate 2, 5, 10 in order from 0 up to 12 x. Count in multiples of 2	Count fluently from 0 in 2, 5, 10. Recall multiples of 10 up to 12 x 10 in	Recall multiples of 2 up to 12 x 2 in any order including missing	Recall multiples of 5 up to 12 x 2 in any order including missing	Count in multiples of 4 to 12 x 4 in order from 0. Relate to doubling 2	Count in multiples of 4 to 12 x 4 in order from 0. Recall multiples of 5 up

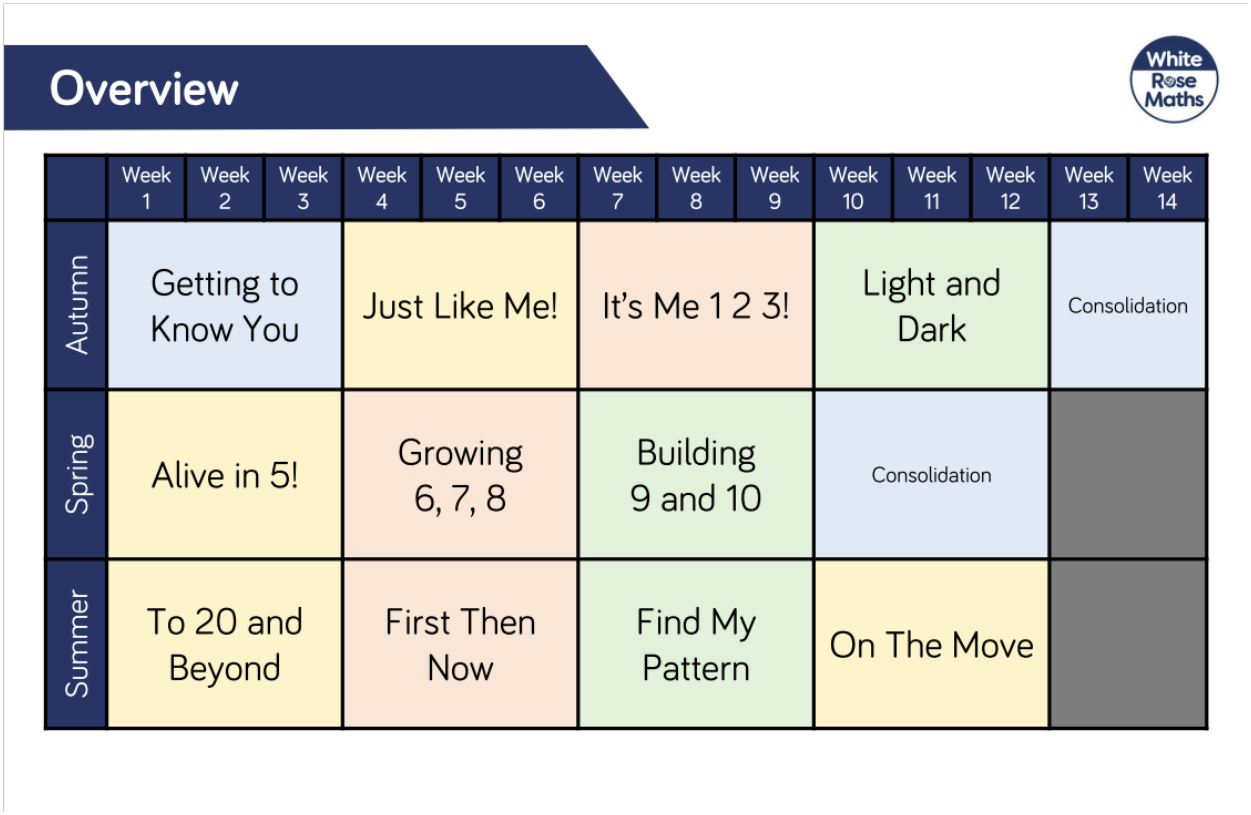
	up to 12 x 2 in any order including missing n	any order including missing numbers and division facts.	numbers and division facts. Recall multiples of 10 up to 12 x 10 fluently.	numbers and division facts. Recall multiples of 2 up to 12 x 2 fluently and related division facts	Recall multiples of 2 up to 12 x 2 fluently and related division facts. Recall multiples of 5 up to 12 x 5 fluently and related division facts.	to 12 x 5 fluently and related division facts.
Y3	Place Value Addition and subtraction	Addition and Subtraction Multiplication and Division	Multiplication and Division Measurement - Length and Perimeter	Fractions Measurement - Mass and Capacity	Fractions Measurement - Money Measurement - Time	Geometry - Shape Statistics
	Count in multiples of 2 up to 12 x 2 in any order including missing numbers and division facts. Count in multiples of 4 up to 12 x 4 in order from 0 with growing fluency.	Recall multiples of 4 up to 12 x 4 in any order, missing numbers and division facts. Introduce (relating to 4) and begin to count multiples of 8 from 0 to 12 x 8	Recall multiples of 4 up to 12 x 4 in any order, missing numbers and division facts. Count in multiples of 8 to 12 x 8 in any order.	Recall multiples of 4 up to 12 x 4 in any order, missing numbers and division facts. Count in multiples of 8 to 12 x 8 in any order.	Recall multiples of 4 up to 12 x 4 in any order, missing numbers and division facts. Recall multiples of 8 up to 12 x 8 in any order, missing numbers and division facts.	Recall multiples of 8 up to 12 x 8 in any order, including missing numbers and related division facts fluently. Introduce counting in 3s and multiples of 3.
Y4	Place Value Addition and Subtraction	Addition and Subtraction Measurement - Area Multiplication and Division	Multiplication and Division Measurement - Length and Perimeter Fractions	Fractions Decimals	Decimals Measurement - Money and Time	Geometry - Shape Statistics Geometry - Position and Directions
	Recall multiples of 3, 4 and 8 up to 12 x in any order including missing numbers and related division facts fluently. Fluently count in 6s up to 12 x 6.	Introduce 6s in order up to 12 x 6. Relate to multiples of 3 to support. Fluently count in 9s. in order up to 12 x 9.	Recall multiples of 6 in any order, missing boxes and division. Recall multiples of 9 in and order including missing number and division facts fluently. Fluently count in 7s in order up to 12 x 7.	Recall multiples of 7 in any order, including missing numbers and related division facts. Fluently count in 11s in order up to 12 x 11.	Recall multiples of 7 in any order, including missing numbers and related division facts. Recall multiples of 11 in any order. Fluently count in 12s. MULTIPLICATION TABLES CHECK	Recall multiples of 12 in any order, including missing numbers and related division facts. Times Tables intervention and recap of all times tables.

Includes times table teaching progression

Below are the overviews with weekly breakdown including the specific problem solving skills to be taught each half term

EYFS Maths Overview

Reception



Year 1 Maths Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Times tables

													Problem solving
Autumn	Number Place value (within 10)					Number Addition and Subtraction (within 10)					Geo Shape		Count in 2s to 24 link even and doubles Count in 10s in order up to 120 Trial and improvement Working Systematically
Spring	Number Place value (within 20)		Number Addition and Subtraction (within 20)			Number Place value (within 50)		Measurement Length and height		Measurement Mass and volume			Count in multiples of 5 up to 60 link to 10s Continue 2s and 10s Pattern spotting Working backwards
Summer	Number Multiplication and division		Number Fractions	Geo Position and Direction		Number Place value (within 100)		Measure Money	Measurement Time				Count in multiples of 10, 2 and 5 fluently Reasoning logically Visualising Conjecturing

Year 2 Maths Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Times tables

													Problem solving
Autumn	Number Place value				Number Addition and Subtraction					Geometry Shape			*Count fluently from 0 in 2, 5, 10* 10 times table Trial and improvement Working Systematically
Spring	Measurement Money		Number Multiplication and Division					Measurement Length and Height		Measurement Mass, Capacity and Temperature			2 times table *Recall multiples of 10 up to 12 x 10 fluently.* 5 times table *Recall multiples of 2 up to 12 x 2 fluently and related division facts* Pattern spotting Working backwards
Summer	Statistics		Number Fractions		Geometry Position and Direction			Problem solving		Measurement Time			Count in multiples of 4 to 12 x 4 in order from 0. Relate to doubling 2 *Recall 10, 2,and 5 times tables fluently and related division facts.* Reasoning logically Visualising Conjecturing

Year 3 Maths Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Times tables Problem solving
Autumn	Number Place value			Number Addition and Subtraction					Number Multiplication and Division A				*Recall 2, 5, 10 times tables* 4 times table Begin to count multiples of 8 from 0 to 12 x 8 Trial and improvement Working Systematically
Spring	Number Multiplication and Division B			Measurement Length and Perimeter			Number Fractions A			Measurement Mass and Capacity			*Recall multiples of 4 up to 12 x 4 in any order, missing numbers and division facts.* Count in multiples of 8 to 12 x 8 in any order. Pattern spotting Working backwards
Summer	Number Fractions B		Measurement Money		Measurement TIme			Geometry Shape		Statistics			*Recall multiples of 4 up to 12 x 4 fluently* 8 times table Introduce counting in 3s and multiples of 3. Reasoning logically Visualising Conjecturing

Year 4 Maths Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Times tables Problem solving

Autumn	Number Place value		Number Addition and Subtraction		Measure Area	Number Multiplication and Division A		*Recall multiples of 3, 4 and 8 up to 12 x in any order including missing numbers and related division facts fluently.* Fluently count in 6s up to 12 x 6. 6 times table relate to multiples of 3 to support. Fluently count in 9s. in order up to 12 x 9. Trial and improvement Working Systematically
Spring	Number Multiplication and Division B		Measurement Length and Perimeter	Number Fractions			Number Decimals A	9 times table Fluently count in 7s in order up to 12 x 7. 7 times table Fluently count in 11s in order up to 12 x 11. Pattern spotting Working backwards
Summer	Number Decimals B	Measurement Money	Measurement Time		Geometry Shape	Statistics	Geometry Position and Direction	11 times table Fluently count in 12s. 12 times table Reasoning logically Visualising Conjecturing