Netherfield Maths Curriculum

Through our teaching of mathematics at Netherfield Primary School, we aim to ensure that our pupils:

- can recall and apply their knowledge fluently and accurately

- can talk confidentially about their learning in mathematics

- have a secure understanding of the fundamentals in mathematics

- can use their mathematical knowledge to solve problems in an increasingly systematic way and with increasing independence

- notice and describe links and connections within their learning

At Netherfield Primary School, we teach maths through a mastery approach.

Maths mastery is a teaching and learning approach that aims for pupils to develop deep understanding of maths rather than simply being able to memorise key procedures or resort to rote learning.

The end goal and expectation is for all pupils (with very limited exceptions) to have understood the fundamental facts and concepts of maths for their year or key stage to such a level that they feel confident to use their new learning in a variety of different mathematical situations. At this point they are ready to move confidently on to their next stage of maths learning.

Mastery of a mathematical concept means a child can use their knowledge of the concept to solve unfamiliar word problems, and undertake complex reasoning, using the appropriate mathematical vocabulary.

Maths mastery is a not a quick fix to maths learning but a journey that the teacher and pupils go on together, with regular diagnostic assessment to check the pupils understanding and direct instruction that teaches to any gaps.

As a school, we follow the White Rose scheme of work that meets the aims of the National curriculum. It is an ambitious scheme of learning that is designed to build on previous work and encourages children to become fluent in a concept in a variety of contexts, before moving onto the next stage in their learning journey.

Subject lead: Katie Cook

Netherfield Maths Curriculum

F1
Yearly 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
Autumn	Baseline	Number: Verbal		Number: Sorting	Shape, Space and Measure: Pattern and Shapes	Shape, Space and Measure: Size	Number: Verbal	Number: Comparison	Number: Matching	Shape, Space and Measure: Shape	Number: Counting how many (cardinality)	Shape, Space and Measure: Shape
Spring	Baseline	Number	Number: Matching	Shape, Space and Measure: Position	Shape, Space and Measure: Time	Number: Sorting	Number	Number: Matching	Shape, Space and Measure: Length and Height	Number: Counting Verbal	Number: Counting	Consolidation
Summer	Baseline	Number: Comparison	Number: Matching	Shape, Space and Measure: Weight	Number: Counting Verbal	Number: Counting	Number: Counting	Number: Counting	Number: Counting Representing	Number: Composition	Number: Composition	Consolidation

Subject lead: Katie Cook

Netherfield Maths Curriculum

Foundation 2
Yearly 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
Autumn	Baseline	**Shape, Space and Measure:** Exploring pattern	**Shape, Space and Measure:** Time		**Number and Place Value:** Counting and recognition (*numbers to 5*)			**Number and Place Value:** Counting and recognition (*numbers to 5*)		**Addition and Subtraction:** Sorting		**Shape, Space and Measure:** Money
Spring	**Numbers and Place Value:** Numbers to 10	**Addition and Subtraction:** Doubling, halving and number bonds				**Shape, Space and Measure:** Length, height and distance	**Shape, Space and Measure:** 2-D and 3-D shapes and position			**Number and Place Value:** Numbers to 20		Consolidation
Summer	**Addition and Subtraction:** Counting on and back			**Shape, Space and Measure:** Weight and Capacity		**Number and Place Value:** Partitioning	**Addition and Subtraction:** Number calculations and number lines		**Multiplication and Division**		Consolidation	

Subject lead: Katie Cook

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Year 1
Yearly 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
Autumn	**Number**: Place Value (Within 10)				**Number**: Addition and Subtraction (Within 10)				Geometry: Shape	**Number**: Place Value (Within 20)		Consolidation
Spring	**Number**: Addition and Subtraction (Within 20)				**Number**: Place Value (Within 50) (Multiples of 2, 5 and 10 to be included)			Measurement: Length and Height		Measurement: Weight and Volume		Consolidation
Summer	**Number**: Multiplication and Division (Reinforce multiples of 2, 5 and 10 to be included)			**Number**: Fractions		Geometry: Position and Direction	**Number**: Place Value (Within 100)		Measurement: Money	Measurement: Time		Consolidation

Subject lead: Katie Cook

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Year 2
Yearly 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
Autumn	**Number**: Place Value			**Number**: Addition and Subtraction					**Measurement**: Money		**Number**: Multiplication and Division	
Spring	**Number**: Multiplication and Division		Statistics		**Geometry**: Properties of Shape			**Number**: Fractions			Measurement: Length and Height	Consolidation
Summer	**Geometry**: Position and Direction			Problem Solving and Efficient Methods		**Measurement**: Time		**Measurement**: Mass, Capacity and Temperature			Investigations	

Subject lead: Katie Cook

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Year 3
Yearly 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
Autumn	**Number**: Place Value			**Number**: Addition and Subtraction					**Number**: Multiplication and Division			Consolidation
Spring	**Number**: Multiplication and Division			**Measurement**: Money	Statistics		**Measurement**: Length and Perimeter			**Number**: Fractions		Consolidation
Summer	**Number**: Fractions			**Measurement**: Time			**Geometry**: Properties of Shapes		**Measurement**: Mass and Capacity			Consolidation

Subject lead: Katie Cook

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Year 4
Yearly 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
Autumn	**Number**: Place Value				**Number**: Addition and Subtraction			**Measurement**: Length and Perimeter	**Number**: Multiplication and Division			Consolidation
Spring	**Number**: Multiplication and Division			**Measurement**: Area	**Number**: Fractions					**Number**: Decimals		Consolidation
Summer	**Number**: Decimals		**Measurement**: Money		**Measurement**: Time	Statistics		**Geometry**: Properties of Shape			**Geometry**: Position and Direction	Consolidation

Subject lead: Katie Cook

Netherfield Maths Curriculum

Year 5
Yearly 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
Autumn	**Number**: Place Value			**Number**: Addition and Subtraction		Statistics		**Number**: Multiplication and Division		**Measurement**: Perimeter and Area		Consolidation
Spring	**Number**: Multiplication and Division			**Number**: Fractions						**Number**: Decimals and Percentages		Consolidation
Summer	**Number**: Decimals			Geometry: Properties of Shape			**Geometry**: Position and Direction	**Measurement**: Converting Units			**Measurement**: Volume	Consolidation

Subject lead: Katie Cook

Netherfield Maths Curriculum

Year 6
Yearly 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
Autumn	**Number**: Place Value		**Number**: Addition, Subtraction, Multiplication and Division				**Number**: Fractions				Geometry: Position and Direction	Consolidation
Spring	**Number**: Decimals		**Number**: Percentages		**Number**: Algebra		Measurement: Converting Units	**Measurement**: Perimeter, Area and Volume		**Number**: Ratio		Consolidation
Summer	**Geometry**: Properties of Shape		Problem Solving			Statistics		Investigations				Consolidation

Subject lead: Katie Cook