



Maths Fluency at Westfield

Maths fluency is a vital part of learning at Westfield Primary School.

Fluency sessions are in addition to the daily mathematics lesson and take place for 10-15 minutes each day.

Their purpose is to provide regular opportunities for our children to practise and consolidate skills of arithmetic and develop mental fluency. There is the same expectation of accurate use of mathematical vocabulary as in the main maths lessons.

From Reception to Year Two, Maths fluency is taught using the Mastering Number Program to support a strong number sense at the beginning of a child's maths journey. This programme is used 4 times a week with the opportunity to cover other areas of fluency on the 5th day.

In KS2, fluency sessions are made up of short, pacy segments. Chants and rhymes are a key characteristic and used to promote pupil enjoyment and engagement. All children are expected to participate using full sentence responses in order to develop their understanding of mathematical language and support reasoning.

Below is a list of key concepts that should be revisited during the daily maths fluency for each year group. The lists build through the terms: the autumn term reinforces concepts learned in previous years; subsequent terms continue to revisit knowledge taught in previous year groups, but then adds concepts from the current academic year.

Even though some concepts may seem basic for your year group, it is important that skills from previous years are revisited and practised to ensure that the children have a secure grasp on them and are able to use them independently.

In reception Maths fluency is delivered via the Mastering Number Program.

Year 1	
Autumn term	Days of the week
	Months of the Year
	Names of Shapes 2D and 3D
	Number bonds for numbers to 6
	1 more and 1 less
Spring term As in the autumn term plus	Properties of shapes 2D and 3D
	Recognising coins
	Doubles and Halves of numbers to 10
	Number bonds to 10
Summer term As in autumn and spring plus	Doubles and halves
	Number bonds for each number to 10
	Time (o'clock and half past)
	Patterns

The above will be in addition to the Mastering Number Program.

Year 2	
Autumn term	Days of the week
	Months of the year
	Names of shapes 2D and 3D
	Properties of shapes 2D and 3D
	Number bonds to 20
	Doubles and halves to 10
	Money
	Time (o'clock and half past)
	Times tables (2s)
	Finding part or whole unknown
Spring term As in the autumn term plus	Doubles and halves to 20
	Times tables (2s and 10s)
	Time (quarter past and quarter to)
Summer term As in autumn and spring plus	Fractions (halves, quarters and thirds)
	Times tables (2s, 10s and 5s)
	Time to the nearest 5 minutes
	Geometry - rotation

The above will be in addition to the Mastering Number Program.

Year 3	
Autumn term	Days of the week
	Months of the year
	Number bonds (all numbers to 20)
	Counting (what is _ more/less than _)
	Names of shapes 2D and 3D
	Properties of shapes 2D and 3D
	Number bonds to 20
	Doubles, halves and quarters
	Money
	Time (o'clock, half past and quarter past/to)
	Times tables (2s, 5s, 10 and 3s)
	Directions (half, quarter turns)
	10/ 100 more/less
	Finding part or whole unknown
Spring term As in the autumn term plus	Durations of time (minutes in hour etc)
	Inverse (+ - x ÷)
	Times tables (2s, 5s, 10s, 3s, 4s, 8s)
	Fractions - equivalence (half, quarter)
	Count in multiples of 50
	Time to the nearest 5 minutes (analogue and digital)
Summer term As in autumn and spring plus	Fractions (halves, quarters and thirds)
	Adding fractions to make a whole
	Times tables (2s, 5s, 10s, 3s, 4s, 8s, 6s)
	Time to the nearest minute (analogue and digital)
	12 and 24 hour time
	Partition numbers to multiply
	Calculating with time
	Decimal numbers

Year 4	
Autumn term	Number bonds to 100/1000
	Counting (what is __ more than __; what is __ less than __)
	Times tables (2x, 3x, 4x, 5x, 6x, 7x, 8x, 9x, 10x, 11x)
	Fractions of an object
	Time (o'clock, half past, quarter to)
	Movement / directions (half turns, quarter turns, etc.)
	Properties of 2D and 3D shapes
	Patterns
	Money - find change from £1
	Interpreting data (scales)
	Partition numbers to multiply
	Decimal numbers
	Inverse (+ - x ÷)
Spring term As in the autumn term plus	Calculating time
	12 and 24 hour time
	Time to the nearest minute (analogue and digital)
	Decimal and fraction equivalence
	Partition numbers to multiply
	Times tables (All)
	Rounding
	Fractions - equivalence
	Count in multiples of 50, 25, 1000
	Money - find change from £5, £10, £20 and £50
X and ÷ by 10/100	
Summer term As in autumn and spring plus	Roman Numerals to 100
	Negative Numbers
	Quadrilaterals
	Triangles
	Angles
	Double and halve amounts of money
	Decimal numbers

Year 5	
Autumn term	Number bonds to 100/1000
	Decimal number bonds to 1 and 10
	Counting (what is __ more than __; what is __ less than __)
	Times tables (All)
	Fractions - addition/subtraction, compare/order
	Fractions - equivalence
	Rounding - decimals
	Time (o'clock, half past, quarter to, 5 minutes)
	Calculating time
	Properties of 2D and 3D shapes
	Patterns
	Money - find change from £1
	Interpreting data (scales)
	Partition numbers to multiply
	Decimal numbers
	X and \div by 10/100/1000
Inverse (+ - x \div)	
Spring term As in the autumn term plus	Fractions - problem solving
	Negative Numbers
	Quadrilaterals
	Triangles
	Angles
	Prime and composite numbers
	Percentages
	Measures conversion (1kg = 1000g)
Summer term As in autumn and spring plus	Fractions, decimals and percentages
	Primes, factors, squares and cubes
	Measure - convert imperial and metric
	Regular and irregular polygons
	Roman Numerals beyond 100 and problem solving

Year 6	
Autumn term	Number bonds
	Counting (what is __ more than __; what is __ less than __)
	Times tables (All)
	Common factors of a pair of numbers
	Fractions - addition/subtraction, compare/order, equivalence
	Rounding
	Time (o'clock, half past, quarter to, 5 minutes)
	12 and 24 hour time
	Calculating time
	Movement / directions (half turns, quarter turns, etc.)
	Properties of 2D and 3D shapes
	Patterns
	X and \div by 10/100/1000
	Money
Interpreting data (scales)	
Spring term As in the autumn term plus	Algebra
	Fractions, decimals and percentages conversion
	X and \div fractions
	Prime and composite numbers
	Ratio and proportion
Summer term As in autumn and spring plus	Financial maths
	Algebra