

Maths Curriculum Evening



Curriculum Intent

“To provide an ambitious, connected curriculum accessible to all pupils so that they become fluent in the fundamentals of mathematics, are able to reason and can solve problems.”

White Rose
Maths

Curriculum
design and
sequenced
lessons

Teaching
Resources

How do we teach Maths at Woodford Primary School?

Curriculum
Time

Learning
Environment

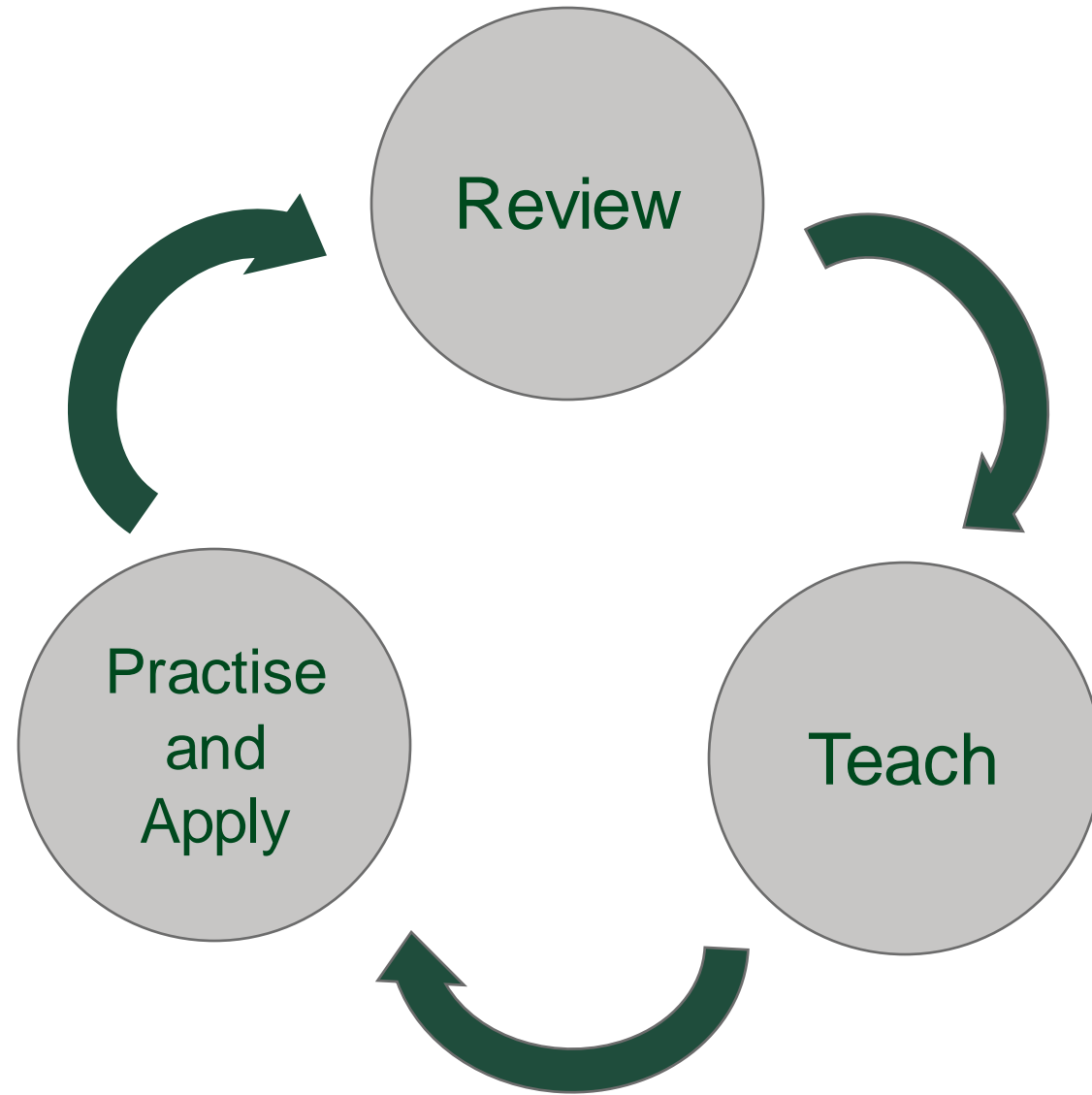
Small
Group
Teaching

8 Year Overview

Woodford Primary Maths 8 Year Overview

Intent: To provide an ambitious, connected curriculum accessible to all pupils so that they become fluent in the fundamentals of mathematics, are able to reason and can solve problems.

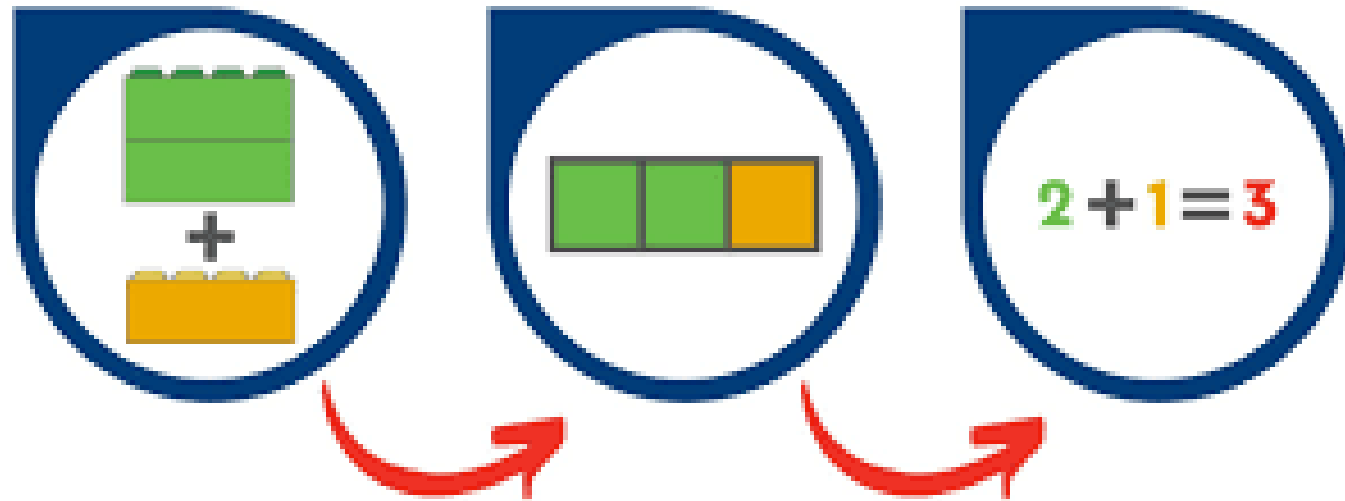
Areas of Learning						
Geometry		Number			Measurement	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Pre-School	Subitising Sorting and Categorising Comparing groups of objects Principles of counting: correspondence and abstraction Explore 2D shapes		Subitising Principles of counting: stable order and order irrelevance Noticing and continuing repeated patterns Shape and positional language Counting backwards and forwards.		Subitising Principles of counting: cardinality Problem solving Exploring 3D shapes Comparing measures (weight, capacity, length, height)	
Reception	Match Sort and Compare, Measure and patterns	1,2,3,4,5 Shapes with four sides	Alive in 5, Growing 6, 7, 8	Building 9 & 10 Exploring 3D Shapes	To 20 and beyond. How many now?	Sharing and grouping Visual, build and map. Make connections
	Circles and Triangles		Mass & Capacity, Length, Height & Time		Manipulate, compose and decompose	
Year 1	Place value (within 10)	Subtraction (within 10)	Place value (within 20)	Place value (within 50)	Multiplication and division	Place value (within 100)
	Addition (within 10)	Shape	Addition and subtraction (within 20)	Length and height	Fractions	Money
		Consolidation		Mass and volume	Position and direction	Time
Year 2	Place value	Addition and subtraction	Money	Length and height	Fractions	Statistics
	Addition and subtraction	Shape	Multiplication and division	Mass, capacity and temperature	Time	Position and direction
Year 3	Place value	Addition and subtraction	Multiplication and division	Fractions	Fractions	Shape
	Addition and subtraction	Multiplication and division	Length and perimeter	Mass and capacity	Money	Statistics
					Time	Position and direction





Number

Concrete Pictorial Abstract

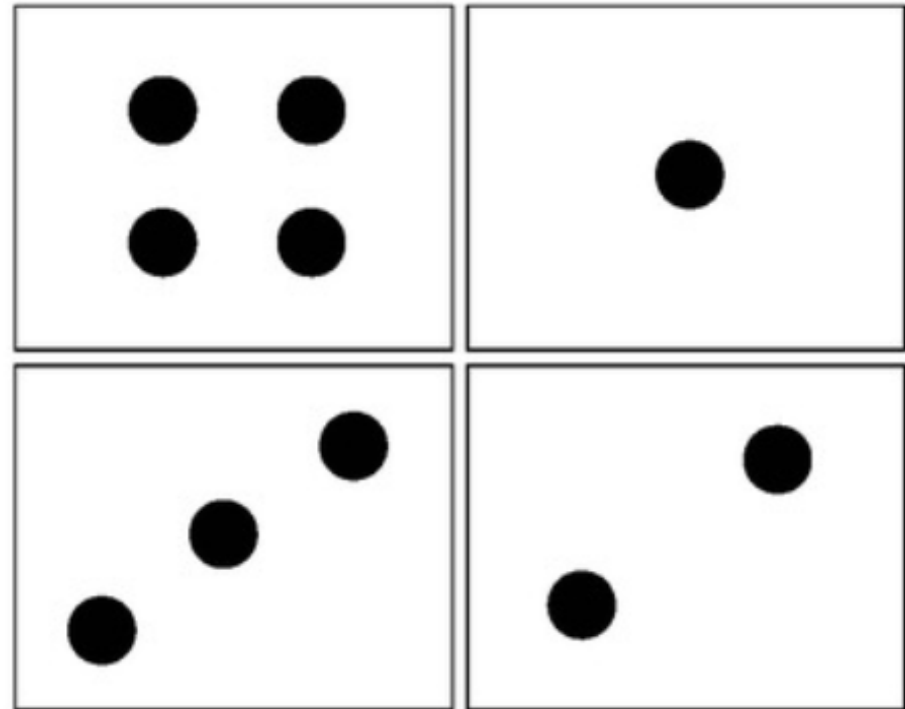


Subitising

Perceptual Subitising

What can you see?

What do you notice?

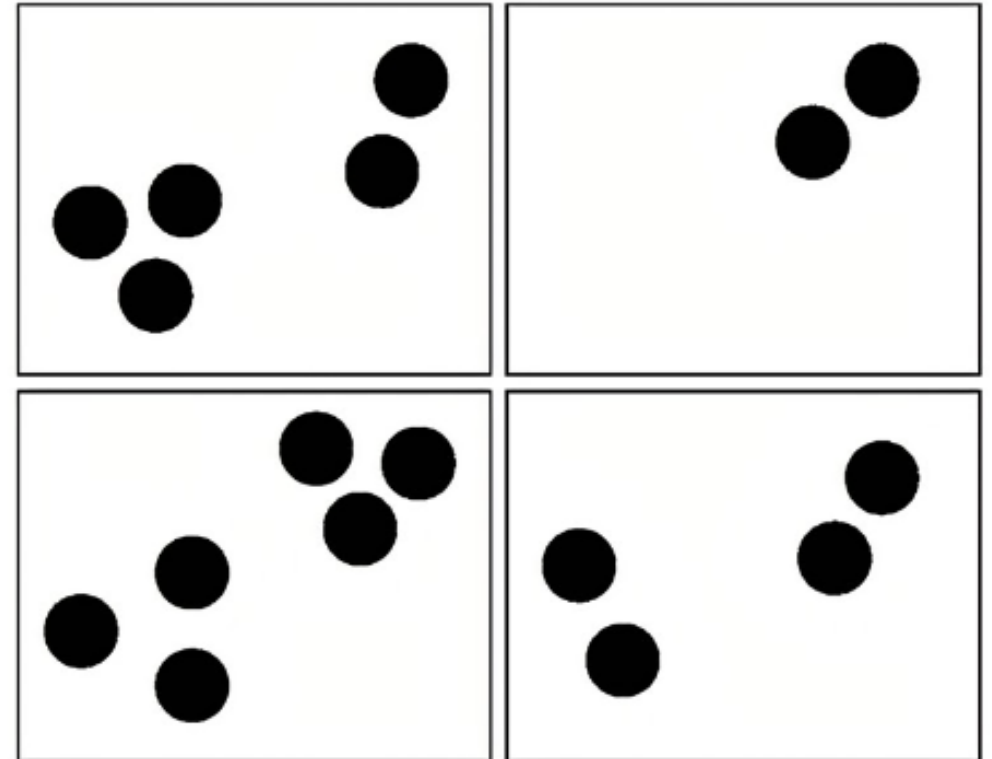


Subitising

Conceptual Subitising

What do you see?

How do you see it?



5 frames and 10 frames



W/C 25.9.23

Step 6

Learning Objective: To count on from any number.

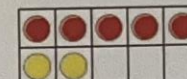
- 1 Mo uses counters to count on from 5
What numbers are they? Fill in the boxes.



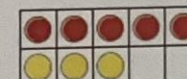
5



6



7



8



9

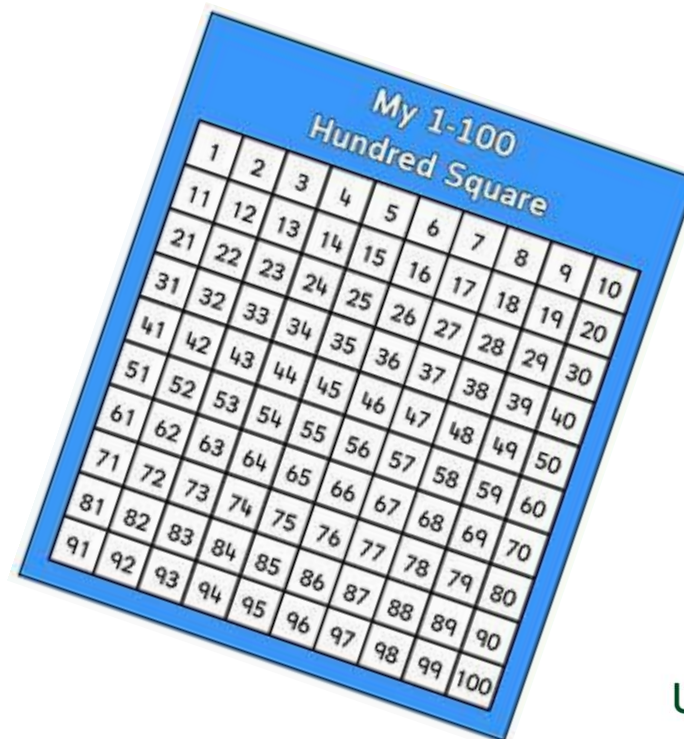
Counting

- Recite numbers past 5.
- Know that the last number reached when counting tells you how many there are in total.
- Show 'finger numbers' up to 5.
- Link numerals and amounts: up to 5.



Counting

- Counting beyond 10
- Begin to notice patterns using number tracks and 100 squares.
- One more and One less
- Using numerals to help record quantities

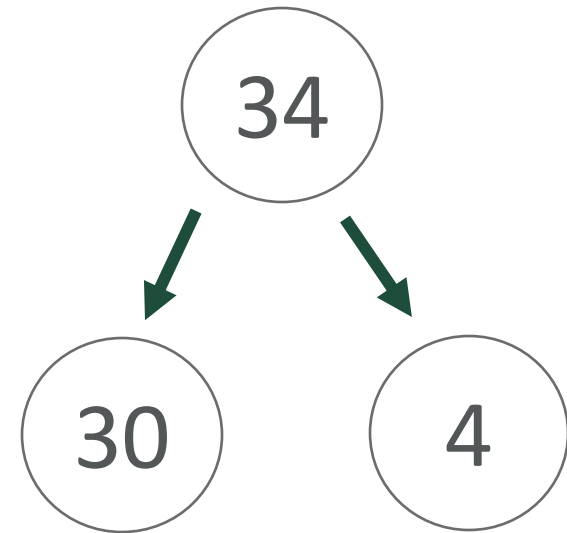
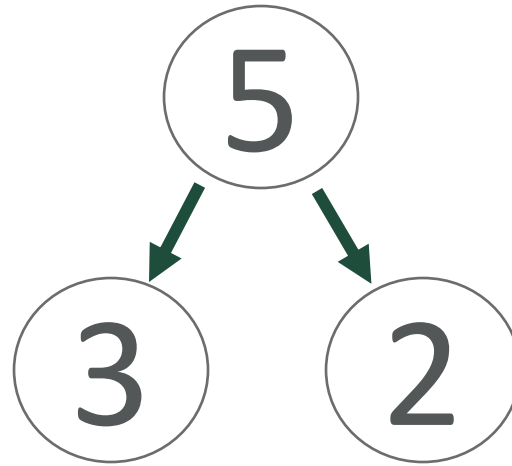
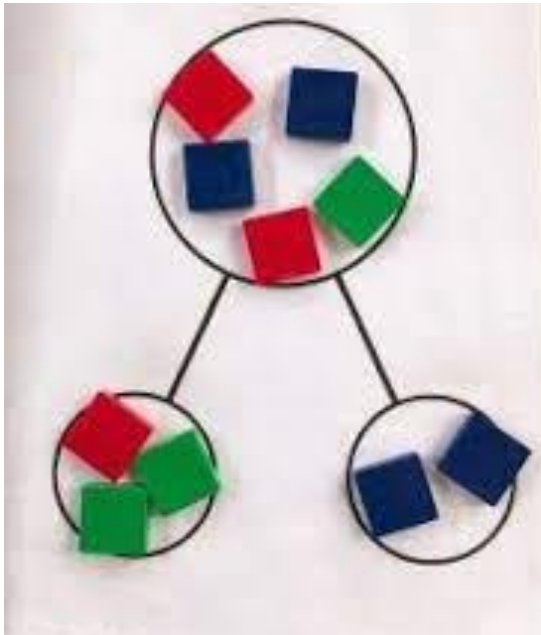


Counting

- Counting on from any number
- Doubling
- Counting in 2s, 5s and 10s

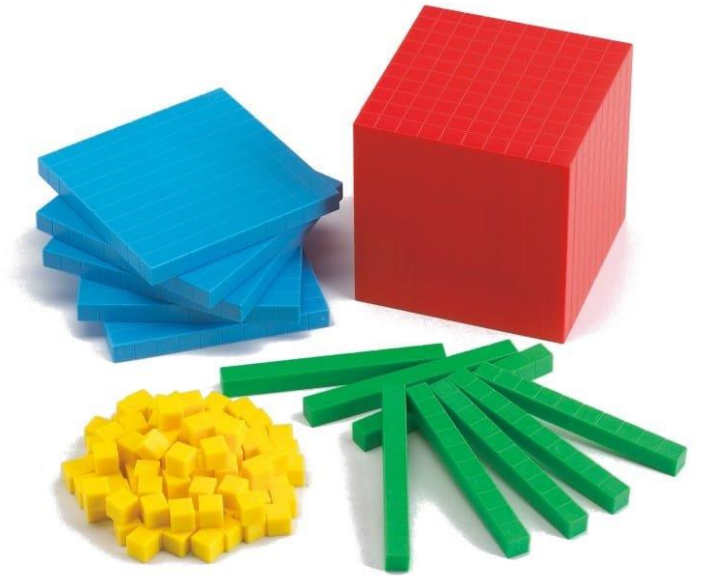


Part – Whole Model



Place Value

- Ordering numbers to 10, 20 and 50.
- Beginning to partition numbers into tens and ones.



How can you support your child's number development at home?

Pre School	Reception	Year One
Dice Games	Number bonds to 5	Counting Backwards from 50.
Counting at home	Counting orally beyond 20	Counting in 2s, 5s and 10s
Number Songs	Grouping objects to 5	One more, One less
What do you see?	Numeral Formation (Summer Term)	Noticing numbers in the environment
1 Minute Maths	1 Minute Maths	1 Minute Maths



Geometry



Shape



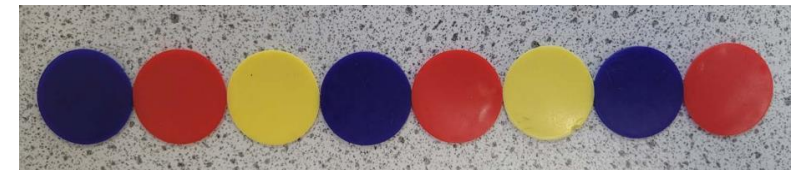
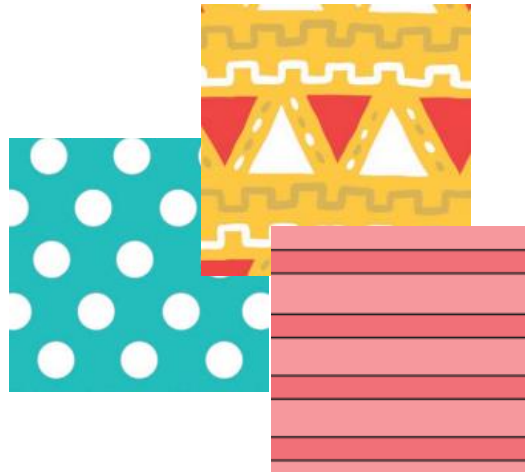
- Begin to explore 2D and 3D shapes.
- Use vocabulary to describe shapes and their properties such as, '**round, straight, corners, sides**'
- Begin to notice and describe differences between shapes.
- Combine shapes and begin to create structures.

Shape

- Develop spatial reasoning skills
- Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can.
- Recognise and name a variety of 2D and 3D shapes.
- Able to categorise 2D and 3D shapes based on their properties.



Pattern



Position and Direction

- Understand and begin to use positional language, "The dinosaur is **under** the table"
- Describe turns and position, using language such as, "**left, right, above and below.**"



How can you support your child with geometry at home?

Pre School	Reception	Year One
Jigsaws	Repeating Patterns	Hide the object Ask your child to hide an object around the house and see whether they can direct you to it.
Finding shapes around the house, are they 2D or 3D?	Describing the properties of shapes around them. E.g. – A circle has one continuous line called a circumference	Play 'Guess the shape' Ask your child to think of a shape and describe it to you for you to guess.
Describing real life objects. E.g. – This tin of beans is a cylinder.	Positional language through play	Junk Modelling Ask your child to explain what they have made and which 3D shapes they have used.
Wooden Bricks or Duplo	Making new shapes out of loose parts and describing them.	



Measure



Measure

- Make comparisons between objects relating to size, length, weight and capacity

- Compare length, weight and capacity.

"This jug holds **more than** this jug"

"This piece of string is **longer than** this one"



- Begin to use units of measure, first with cubes then in **cm, litres, millilitres.**

- Money – recognising coins and counting in coins.



Measure: Time

- Before, After
- Days of the Week
- Months of the Year
- Hours, Minutes, Seconds



How can you support you child at home with measure?

Pre School	Reception	Year One
Using the vocabulary "Full and Empty"	Using the vocabulary "half full, half empty" "nearly full, nearly empty"	Telling the time on an analogue clock "O'clock, Half Past"
Bath Time using jugs and cups. "How many cups will it take to fill this jug?"	Comparing toys or objects "Long, Longer, Longest" "Small, smaller, smallest"	Play "What can you do in... 30 seconds, 2 minutes, 1minute"
Making playdough	Following simple baking recipes	Go shopping and use coins and notes



WOODFORD

PRIMARY SCHOOL

woodfordprimary.org.uk