

Get your brains ready!

How many shapes can you see?





# Reginald Mitchell Primary School

EYFS Maths Workshop

Tuesday 9<sup>th</sup> October

# Aim

- To outline the key areas of the Maths Curriculum.
- Model how we teach maths in the Early Years.
- Share ideas on how you can support maths at home.



# Our Maths Curriculum

## Number

Counting  
Ordering  
Number recognition  
Addition  
Subtraction  
Doubling  
Halving  
Sharing

## Shape, space & measures

Patterns  
Shape  
Size  
Position  
Time  
Money



# Early Learning Goal

## Number

By the end of Reception children should be able to..

- Count to 20
- One more/ one less
- Add/ subtract one digit numbers
- Solve problems
- Use everyday language to talk about objects, shapes, weight, capacity, distance, position, size, money and time.



# Early Learning Goal

## Shape, Space and Measures

By the end of Reception children should be able to..

- Use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems.
- Recognise, create and describe patterns.
- Explore characteristics of everyday objects and shapes and use mathematical language to describe them.

# How do we teach maths in the Early Years?

- Games and activities indoors and out
- Making the most of routines, e.g. snack time, tidying up
- During directed teaching time

Meaningful and in context!



# Counting

When children first begin to count, they learn important mathematical ideas:

- One-to-one correspondence (one number for one object)
- Stable order (we count 1,2,3,4,... not 1,2,7,5,...)
- Cardinality (the last number counted tells how many)

Top Tip - When children learn to count they like to touch, point to and move objects as they say the number aloud - provide loads of opportunities for this and encourage them to do so.





# Numicon

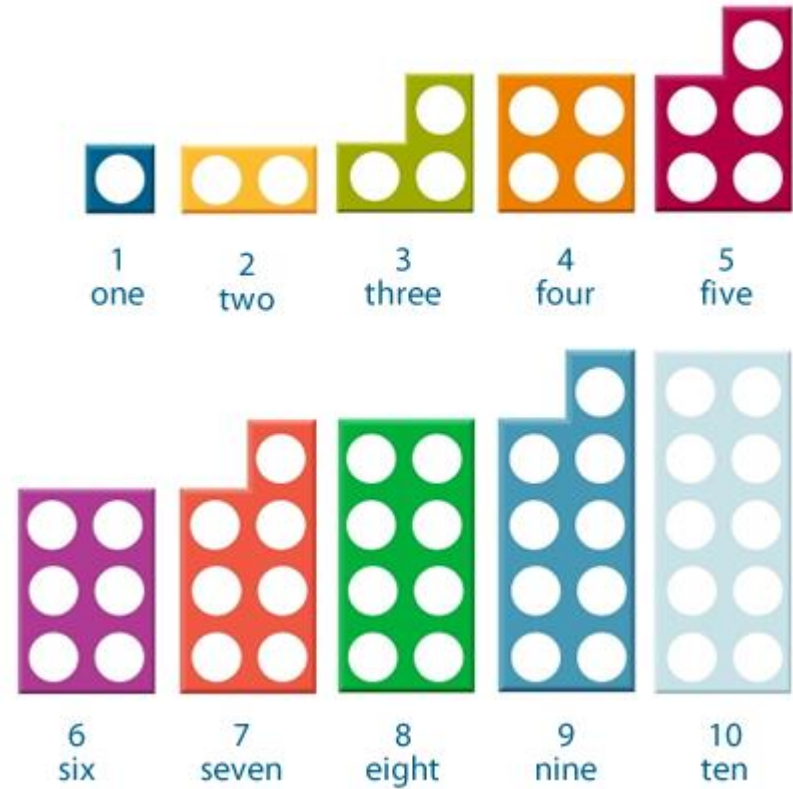
Shapes are designed to exploit three strengths:

- Learn by doing
- Learn by seeing
- Exploit their strong sense of pattern

Have a play!



# Numicon



How can you  
help at  
home?

# Counting ideas at home

Sing songs that allow children opportunities to count forwards and backwards.

Have your child count anything they are interested in counting e.g.. items of clothes as they come out of the washing machine, toys, kitchen utensils, collections e.g.. stickers, rocks, cars etc.

As children count, they learn to connect quantities with their number names.

Practise counting quantity to a numeral e.g.

- Count five crayons to match number five
- Counting placemats at the dinner table
- Counting buttons, pasta etc

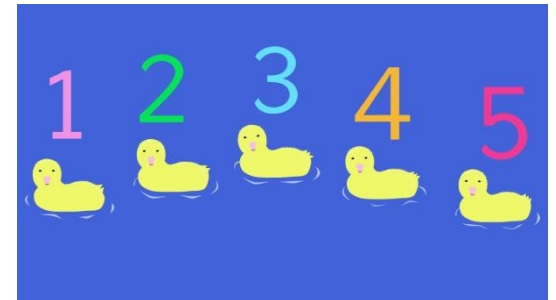
# Songs and Rhyme

Children often first learn about numbers and counting through rhyme.

Songs and rhyme are an important way for all children to learn about number order, forwards and backwards, counting and calculating.

Using actions, fingers or objects when singing will help children develop skills even further, for example they could also learn to match quantity to numeral and have opportunities for counting.

- 1, 2, 3, 4, 5 - number names, counting/ordering forwards to 10
- 10 in the bed - counting backwards from 10
- 5 little ducks - subtraction





# Shape ideas at home



When talking with your child, identify things by their shape and size: “Please pass me the rectangular placemat, the largest box out of the cupboard, the square-shaped cracker and the circular plate.”

Ask your child to look for two-dimensional shapes, such as circles, squares, triangles and rectangles, on objects at home or outside. For example, help your child find various shaped street signs and name the shapes that are on them.

3-D Hunt. Help your child look for three-dimensional objects: cubes, cones, spheres (such as a ball), prisms (such as a box), pyramids and cylinders. Talk about how a can or a paper towel roll is like a cylinder.

# Useful Websites

- You Tube for number stories, rhymes and songs-Super Simple
- Cbeebies
- Sesame Street maths
- [Nrich.maths.org.uk/early years](http://Nrich.maths.org.uk/early_years)
- [Topmarks.co.uk](http://Topmarks.co.uk)
- [ICTgames.co.uk](http://ICTgames.co.uk)

