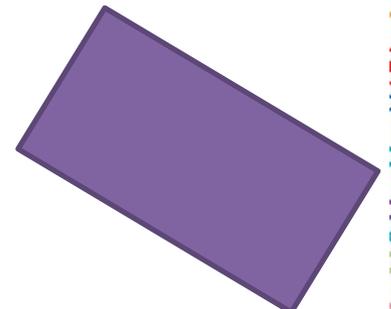
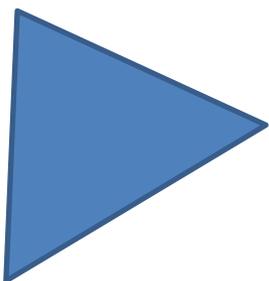


A large, stylized orange number 1 with a slight shadow effect.A large, stylized green number 2 with a slight shadow effect.A large, stylized blue number 3 with a slight shadow effect.

# Mathematics in Reception

What and how we teach your  
child.



# The Early Learning Goals

At the end of the Reception year, children are assessed against a set of statements. These are called the Early Learning Goals. Below are the ELGs for Mathematics.

## Numbers

Children count reliably with numbers from one to 20, place them in order and say which number is one more or one less than a given number. Using quantities and objects, they add and subtract two single-digit numbers and count on or back to find the answer. They solve problems, including doubling, halving and sharing.

## Shape, space and measure

Children use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems. They recognise, create and describe patterns. They explore characteristics of everyday objects and shapes and use mathematical language to describe them.

Throughout the year we take stepping stones towards these goals.



Play is the  
highest form  
of research

Albert Einstein

# Counting Objects.

There are a wide range of counting objects available, such as counters, animals and natural materials which the children use in various ways such as...



Counting how many objects they have

Adding two sets of objects together

Taking away objects

Finding one more and one less.



# Number Tracks.

Number tracks are a very useful tool.

They can be used to...

- Point to the correct numeral to match the correct number of objects.
- Add two numbers together by counting on from the biggest number.
- Take-away two numbers by counting backwards.
- Find the number one more/one less.
- Order numbers.



# Numicon.

Numicon is a great tool to help children learn a variety of maths concepts.

Each numeral has a corresponding Numicon shape. Numicon allows children to explore a number of different concepts.

Even though some children can count to 20, they may not have the understanding of value of the number.



# Other Resources

As children learn best through exploration and play, number can be taught in any context, using any resource. It might be in imaginative play, counting out the plates, or working out how many strawberries we need if everyone needs two each.

Outdoors, children could spot door numbers, make numbers using natural materials, or add up all of their finds.

The important thing to remember is that at this stage, maths is learnt by doing. Children need a wide range of concrete, practical experiences involving number to build their skills upon.

The possibilities for learning are endless!

# Shape, Space and Measures

As in number, children learn about shape, space and measures primarily through play and investigation.

Planned opportunities are set up throughout the year to encourage the children to explore mathematical concepts. These opportunities are provided through provision, the activities we put out, and through adult-led and adult-guided whole class and group activities.

# Examples of activities in which children investigate SSM.

- Construction activities. Which tower is taller/shorter? Which shapes have been used, which shapes can you see? Which brick is heavier?
- Roleplay. What time does the cafe open? How much does it cost to go to the vet? Who has the biggest plate of food?
- Sand/Water area. How many cups of sand does this container hold? Can I make a container half-full of water?

# Examples of activities in which children investigate SSM.

- Creative. Which shapes have I used to make my junk modelling?  
What shapes do I need to draw a person? Can I make a repeating pattern in my picture?
- Outdoors. How long is the longest twig I can find? How many footsteps wide is that puddle? How many circles can I find in the environment?
- Small World. Where is the pirate? Behind the palm tree? In front of the palm tree? Can you build a lion's cave using cubes? Which animal is tallest/shortest/fattest/thinnest?

# Maths Planets

Links in with the whole initiative Maths Planets.

All the statements are linked with the Development Matters objectives.

Every child will receive a booklet in Term 2. Once you believe your child can complete the statement we have stuck in for them, hand the booklet to one of the Reception team. We will check these and return them to you as soon as possible.

# Any questions?

