



# Nursery Mid Term Plan

## Mathematics Spring 2015



Nursery have 3-4 weekly Mathematics adult-led activities based around overview points from 22 -36 months, 30-50 months and the early stages of 40-60 months. The activities are differentiated according to the children's levels of achievement.

**Mathematics is planned on a 3 weekly rolling programme:**

Week 1 - Numbers and Shape

Week 2 - Numbers and Space

Week 3 - Numbers and Measure

**Below are the overview points covered throughout the year in adult-led activities -**

### **Numbers**

#### **22 to 36 months:**

- Selects a small number of objects from a group when asked, for example, *'please give me one'*, *'please give me two'*.
- Recites some number names in sequence.
- Begins to make comparisons between quantities.
- Uses some language of quantities, such as *'more'* and *'a lot'*.
- Knows that a group of things changes in quantity when something is added or taken away.

#### **30 to 50 months:**

- Recites numbers in order to 10.
- Knows that numbers identify how many objects are in a set.
- Beginning to represent numbers using fingers, marks on paper or pictures.
- Sometimes matches numeral and quantity correctly.
- Compares two groups of objects, saying when they have the same number.
- Separates a group of three or four objects in different ways, beginning to recognise that the total is still the same.
- Realises not only objects, but anything can be counted, including steps, claps or jumps.

#### **40 to 60 months:**

- Recognise some numerals of personal significance.
- Recognises numerals 1 to 5.
- Counts up to three or four objects by saying one number name for each item.
- Counts actions or objects which cannot be moved.
- Counts objects to 10, & beginning to count beyond 10.
- Counts out up to six objects from a larger group.
- Selects the correct numeral to represent 1 to 5, then 1 to 10 objects.
- Counts an irregular arrangement of up to ten objects.
- Estimates how many objects they can see & checks by counting them.

### **Shape, space and measures**

#### **22-36 months:**

- Notices simple shapes and patterns in pictures.
- Beginning to categorise objects according to properties such as shape or size.

#### **30 to 50 months:**

- Beginning to talk about the shapes of everyday objects, e.g. *'round'* and *'tall'*.
- Shows awareness of similarities of shapes in the environment.
- Shows an interest in shape and space by playing with shapes or making arrangements with objects.

**40 to 60 months:**

- Beginning to use mathematical names for 'solid' 3D shapes and 'flat' 2D shapes, & mathematical terms to describe shapes.
- Selects a particular named shape.
- Can describe their relative position such as 'behind' or 'next to'.
- Orders two or three items by length or height.
- Orders two items by weight or capacity.

**The other overview points for Numbers and Shape, space and measures which are based on a child's own discoveries and play, e.g. - 'Shows an interest in numerals in the environment' are observed and encouraged through continuous provision and observations during group activities.**