

## **Early Years Mathematics – expectations for pupils to achieve by the end of Reception**

### **Mathematics – Numbers**

- 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, and 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 and checks by counting them.
- Uses the language of 'more' and 'fewer' to compare two sets of objects.
- Finds the total number of items in two groups by counting all of them.
- Says the number that is one more than a given number.
- Finds one more or one less from a group of up to five objects, then ten objects.
- In practical activities & discussion, beginning to use the vocabulary involved in adding & subtracting.
- Records, using marks that they can interpret and explain.
- Begins to identify own mathematical problems based on own interests and fascinations

**Children count reliably with numbers from one to 20, place them in order & say which number is one more or one less than a given number.**

**Using quantities & objects, they add & subtract two single-digit numbers & count on or back to find the answer.**

**They solve problems, including doubling, halving and sharing.**

### **Mathematics – Shape, Space & Measures**

- Beginning to use mathematical names for 'solid' 3D shapes & '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.
- Uses familiar objects and common shapes to create & recreate patterns & build models.
- Uses everyday language related to time.
- Beginning to use everyday language related to money.
- Orders and sequences familiar events.
- Measures short periods of time in simple ways

**Children use everyday language to talk about size, weight, capacity, position, distance, time & money to compare quantities & objects and to solve problems.**

**They recognise, create and describe patterns.**

**They explore characteristics of everyday objects and shapes & use mathematical language to describe them.**