

Mathematics

Nursery

26th April

How do we Teach Maths at Greswell Primary School in the Early Years

- Maths is about exploration
- Language is key to learning and teaching
- Sorting and classification skills
- Quantities
- Counting principles
- Subitising
- Concept images
- 5 and 10 frames
- Numeral recognition
- Numicon
- Composition of number
- Shape, space and measure



Sorting and Classification Skills

- In the Early Years we give children lots of opportunities to sort and classify various objects.
- We use compare bears which can be sorted by colour or size or both.
- Natural objects can be sorted into those that are the same.



Quantities

- We use the language of more and many to describe a large number of objects.
- We use the language of less and few or fewer to describe a smaller number of objects.
- This will support their understanding of the number system.



Counting Principles

- One to one principle – assigning one counting word to each item to be counted
- Stable order principle – knowing that the list of words used to count must be in a repeatable order
- Cardinal principle – the number name allocated to the final object in a collection represents the number of items in the collection
- Abstraction principle – to be able to count non-physical things such as sounds, actions or even counting words
- Order-relevance principle – it does not matter in what order the items are counted as long as they are counted once and only once, left to right, right to left.
- <https://www.youtube.com/watch?v=6bqCewhXSGI>



Subitising

- To support children's learning to count we teach them to subitise.
- We share a small group of objects and ask them to tell us what do they notice.
- “Move it to prove it.”

3 or not 3?

