





MATHS IN EARLY YEARS



AIMS OF THE WORKSHOP

- ✓ **To know what is expected of Maths in Reception.**
 - ✓ **To know how you can help your child.**
 - ✓ **To get some ideas to do at home.**
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- Three parallel white lines of varying lengths are positioned in the bottom right corner of the slide, slanted upwards from left to right.

WHAT THE RECEPTION CURRICULUM SAYS NUMBER:

- ▶ Have a deep understanding of number to 10, including the composition of each number.
 - ▶ Subitise (recognise quantities without counting) up to 5.
 - ▶ Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.
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WHAT THE RECEPTION CURRICULUM SAYS NUMERICAL PATTERNS:

- ▶ Verbally count beyond 20, recognising the pattern of the counting system.
- ▶ Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.
- ▶ Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally

MATHS AT VILLAGE INFANTS



HOW DO WE TEACH MATHS IN RECEPTION?

- ▶ We make it fun! Where possible Maths is linked to real life problems, stories and children's interests.
 - ▶ Using objects, children need to be secure in using practical resources before moving onto more pictorial and abstract concepts.
 - ▶ Through the day: lunch time tallies, counting how many children are in school, calendar, clapping syllables, singing number songs.
 - ▶ Through short focused sessions whole class; in small group and 1:1.
 - ▶ Through the environment
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HOW CAN YOU HELP AT HOME

Counting:

- ▶ Practise counting in ones, forwards and backwards to twenty.
- ▶ Sing counting songs and rhymes.
- ▶ Ask children to help set the table or sort the washing- can they match the pairs of socks, count in 2s, tell you if there is an odd/ even number?
- ▶ Look for things to count when you're out- how many cars/ birds/ dogs can you count?
- ▶ Go on a treasure hunt: Can you find 5 flowers/ 7 twigs/ 10 leaves

Games:

- ▶ Play board and dice games, snap, pairs, dominoes, hopscotch, skittles.
- ▶ Jigsaw puzzles are great for spatial awareness and fine motor skills.

Sharing books:

- ▶ Talk about the number, position and shape of things in the pictures.

Money:

- ▶ Begin to recognise and sort coins, practise counting it in the shops or as part of role-play with real coins at home.

HOW CAN YOU HELP AT HOME

- ▶ Point out patterns in everyday situations e.g. tablecloth, wallpaper, books. Create your own with objects, paint, stickers or Lego.
- ▶ Demonstrate the language for shape, position and measures e.g. sphere, inside, under, shortest, heavy.
- ▶ Use mathematical names for shapes and encourage children to talk about the shapes that they see.
- ▶ Encourage your child to use the correct terms early on- tall, short, narrow, wide, thick, thin etc...
- ▶ Time: look at clocks, point out the time throughout the day, think about calendars and dates. Days of the week and months of the year.
- ▶ Cooking: encourage children to help in the kitchen by weighing, comparing ingredients using heavier and lighter, measuring liquids. ➤ Sharing: Help children to understand that one thing can be shared by a number of pieces e.g. pizza, cake. They are usually quick to tell you if it is the same size!

MATHS THROUGH PLAY...



- ▶ Enjoy trying the Maths activities with your child.
- ▶ Feel free to ask any questions.
- ▶ Please do not use your phones in the classrooms.
- ▶ Please do not take any prams into the classrooms.

VISITING YOUR CHILD'S CLASS

- ▶ Numicon
- ▶ Numicon peg boards
- ▶ Number matching/sorting cubes (1-5)
- ▶ Ordering numbers activities
- ▶ Patterns through cubes and shapes
- ▶ Making objects through shape
- ▶ Sorting by groups
- ▶ 1 more 1 less
- ▶ Big and small
- ▶ Scales out
- ▶ 5 frogs
- ▶ Maths counting songs on screens
- ▶ Pairs games-matching
- ▶ Dominoes