

Welcome to the World
of





NOW...

How Math is taught in
conventional preschools
as compared to
Podar Jumbo Kids...



Conventional Preschools focus on teaching the Math largely through Number Recitation, recognition and drill writing



This learning of Math at conventional preschools only involves :

Auditory Learning

Visual Learning



This would lead to rote counting and by- hearting of numbers by children at the conventional preschools.





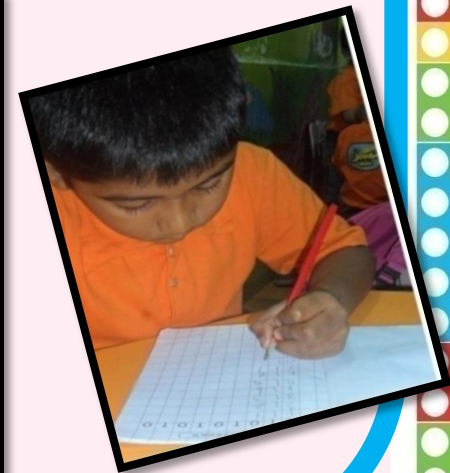
At **Podar Jumbo Kids** through the EYFS curriculum of Math we focus on teaching important Math concepts which involves:

- Space , Shape and Measures



At **Podar Jumbo Kids** through the EYFS curriculum of Mathematics we focus on teaching important Math concepts which involves:

- Numbers





This learning of Math at Podar Jumbo Kids involves:

Auditory Learning

Visual Learning

Kinesthetic Learning



This would lead to development of skills in children related :



Counting



Calculating
addition and
subtraction
problems



The curriculum of Math at
Podar Jumbo Kids is better than the other
schools, but we aim to make it better than
the best and we are doing it the Cambridge
way



NUMBER MAGIC

from

NUMICON

A Math Program from England.



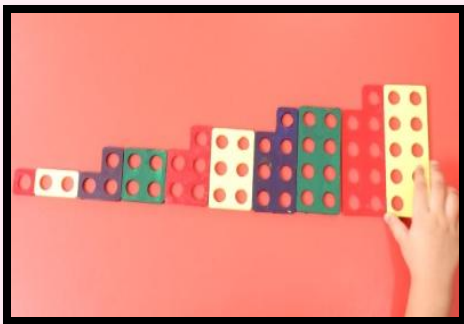
WHAT
is Number Magic Math
Program at Podar Jumbo Kids?

Number Magic is a multisensory approach to develop Math skills in 3 simple steps : (CPA)

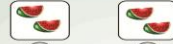


Concrete

Pictorial

Abstract



$$2 + 1 = 3$$

Date: _____	
1. Count and write the number in each circle. 2. Add to find out how many in all.	
 <input type="text"/> + <input type="text"/> = <input type="text"/>	How many in all ?
 <input type="text"/> + <input type="text"/> = <input type="text"/>	How many in all ?
 <input type="text"/> + <input type="text"/> = <input type="text"/>	How many in all ?

Doing math at Number Magic involves communicating and thinking mathematically.

Communicating

Thinking





Being
Active

Communicating
Mathematically



Talking



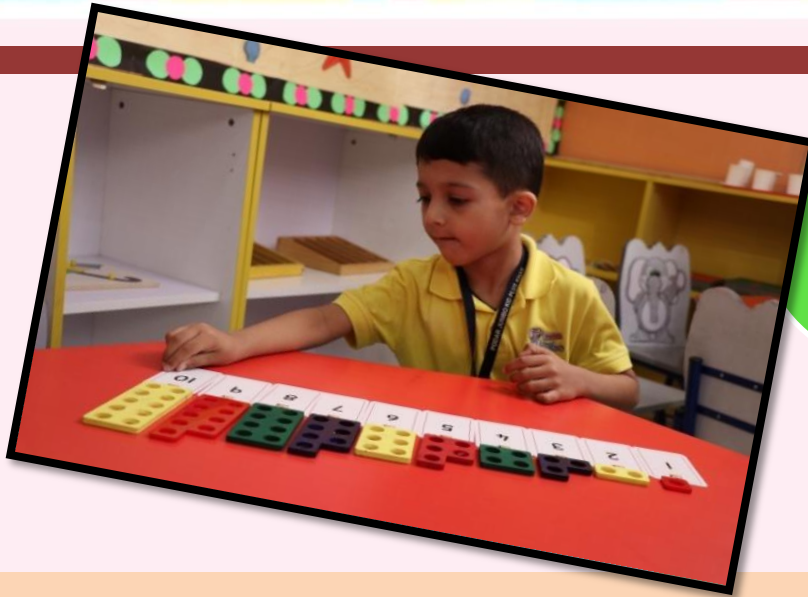
Illustrating



Being Active

Number Magic actively engages children both physically and mentally through Math activities and games.

What this means in practice is that it is always the children themselves who are to do the mathematics. Telling children (showing or explaining) 'what to do' can encourage children to be passive.



Illustrating

Number Magic involves illustrating in every activity for concrete learning experience. Children form spatial imagery of the resource teaching material in the form of shapes and patterns representing numbers.



Talking

Doing Mathematics involves communicating mathematically both with one self and others, it involves talking which leads to the development of language of Math like:
Sum of, difference, before, after, take away etc.



HOW NUMBER MAGIC WOULD BE IMPLEMENTED ?

Through
TEACHING RESOURCES
children are encouraged to
reason mathematically
through use of concrete
objects.



Number Magic Teaching Resources



1 Number Magic Tiles

2 Number Lines with Tiles

3 Overlay Patterns

4 Number Magic Cards

5 Number Bag

6 Magic Tokens

7 Magic Spinners

8 Number Magic Sheets

9 Big Number Magic Tiles



THEN...

after using the Numicon- now
Number Magic at Podar Jumbo Kids,
children display an in depth
understanding of...

1. Different ways of representing a number



2. Different ways of making a number .

What do you know about number 12?

$$7+5$$



$$6+4+2$$





3. Then they are able to match number to its value.





4. Then they are able to recognize numbers .





5. Then they are able to
count numbers





7. Then they are able to
do subtraction

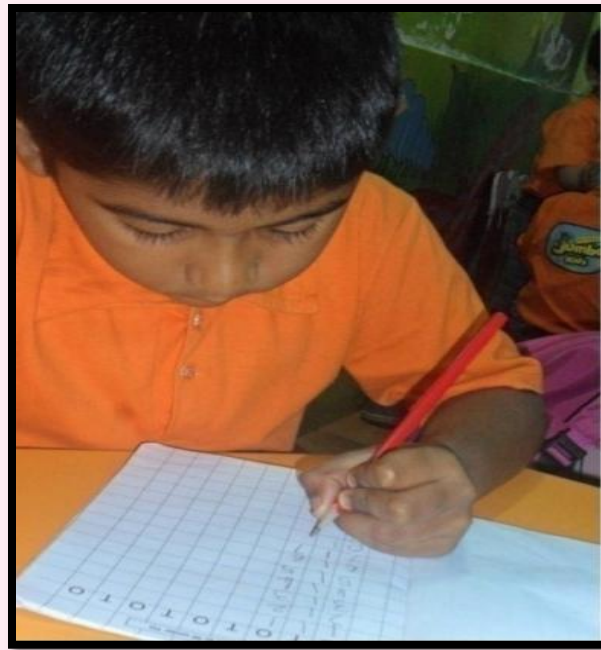


8. Then they are able
understand place value





6. Then they are able to
write numbers



In order to have competent, confident mathematicians in our children through Number Magic children will...



Do maths (action) and it does not mean to do only a worksheet or notebook writing

Talk about it
(conversation)

Use concrete images to help with the doing and the talking



Number Education and Math learning are an important aspect of life long learning and education. Foundational learning starts in the early years with hands on learning with everyday materials. When number learning happens in a systematic manner it helps kids understand and relate to future Math learning. At Podar Jumbo Kids we are thankful to our trustees for always supporting us in bringing global learning systems in our curriculum. Number Magic is adapted from Numicon of Cambridge and we especially thank our management for the same .

Dr Swati Popat Vats

