Poorna Learning Centre

Sathanur Village, Bangalore

Annual Report

**MATHS**

**Group 0**

**Objectives**

* **Vocabulary Acquisition**
* **Shapes**
* **Positional and Spatial concepts**
* **Comparison and discrimination**
* **Sorting and classifying**
* **Ordering**
* **Patterning and sequencing**
* **Matching and one to one correspondence**
* **Number names and number concepts**
* **Basis for mathematical operations**

June -Aug

\*Introduction to dimensions

\*Introduction to comparative and superlative degrees

\*Geometrical cabinet(basic shapes) and geometrical solids

\*Geometrical Cabinet and cards

\*Understanding of numbers 1-9

\*Concept of zero

\*Understanding of numbers beyond 10

1. Introduction to materials(dimensions and comparisons)

Rolling and unrolling of mats

Cylinder Blocks

Pink tower

Brown stairs

Long rods

Activities: Rolling of sitting mat and sitting on the mat, Unrolling the mat and placing it back, putting the cylinder in the socket, Arranging the tower from biggest to smallest, Arranging the stairs from thinner to thickest , Placement of rods in correct order.

2. Introduction to Geometrical cabinet(Basic Shapes) and Geometrical solids

Basic Shapes- Triangle, Square, Circle

Geometrical Solids- Cube, Rectangular prism, Triangular prism, Triangular pyramid, Square pyramid, Cylinder, Cone, Sphere, Ovaloid, Ellipsoid.

Activities: Tracing shapes in clock-wise and anti-clock wise, Tracing outline of shapes and drawing patterns or coloring inside the shapes, Observing shapes inside or outside home, worksheets of shapes, Playing games like jump to circle, triangle, square etc, worksheets.

3. Numbers 1-10

Sandpaper numbers

Number rods with cards

Spindle boxes

Cards and counter

Introduction to writing

Number names oral and written

Activities: Tracing of numbers, Identifying numbers in random, Playing games showing before, After and Between, Odd and Even numbers and learning skip counting, playing hopscotch using numbers, Chit game from numbers 0 to 10(jump 5 times, run 0 times),worksheets.

September to November

\*Introduction to Seguin Board 1(11-20)

\*Ascending and Descending Order(1-10) and (11-20)

\*Number names oral and written 11-20

\*Odd and Even numbers(11-20)

\*Introduction to Decimal System

Activities: Keeping numbers in random(11-20), Playing chit game using papers(11-20) and (20-11), Coloring activity of skip counting in books, Arranging numbers in the form of units, tens, hundreds and thousand, Taking to Ali’s farm for counting(cows, flowers etc), stories and worksheets.

December to February

\*Geometrical shapes(non-basic)

\*Decimal system

\*Introduction of addition with material

Activities: Using Geometrical cabinet of Quadrilaterals, Polygons, Ellipse, Oval, Rossette, Uncurvilinear triangle, triangular tray- Tracing clock-wise and anti-clock-wise, Tracing in books of shapes and coloring or doing patterns inside the shape, Expansion of numbers and reading, worksheets

March

Recap