

Geometry**(13 hrs.)****SHAPES & SPATIAL UNDERSTANDING***3-D and 2-D Shapes*

- Observes objects in the environment and gets a qualitative feel for their geometrical attributes.
- Identifies the basic 3-D shapes such as cuboid, cylinder, cone, sphere by their names.
- Traces the 2-D outlines of 3-D objects.
- Observes and identifies these 2-D shapes.
- Identifies 2-D shapes viz., rectangle, square, triangle, circle by their names.
- Describes intuitively the properties of these 2-D shapes.
- Identifies and makes straight lines by folding, straight edged objects, stretched strings and draws free hand and with a ruler.
- Draws horizontal, vertical and slant lines (free hand).
- Distinguishes between straight and curved lines.
- Identifies objects by observing their shadows.

Numbers**(46 hrs.)**

- Reads and writes numerals for numbers up to ninety-nine.
- Expands a number with respect to place values.
- Counts and regroups objects into tens and ones.
- Uses the concept of place value in the comparison of numbers.
- Counts in various ways:
 - Starting from any number.
 - Group counting etc.
- Arranges numbers up to hundred in ascending and descending order.
- Forms the greatest and the smallest two digit numbers with and without repetition of given digits.
- Indicates and identifies the position of an object in a line.

ADDITION AND SUBTRACTION

- Adds and subtracts two digit numbers by drawing representations of tens and ones without and with regrouping.
- Adds zero to a number and subtracts zero from a number.
- Observes the commutative property of addition through patterns.
- Solves addition, subtraction problems presented through pictures and verbal description.
- Describes orally the situations that correspond to the given addition and subtraction facts.
- Estimates the result of addition and subtraction and compares the result with another given number.

PREPARATION FOR MULTIPLICATION AND DIVISION

- Discussion of situations involving repeated addition and situations involving equal sharing.
- Activities of making equal groups.

MENTAL ARITHMETIC

- Adds and subtracts single digit numbers mentally.
- Adds and subtracts multiples of ten mentally.

Money**(3 hrs.)**

- Identifies currency - notes and coins.
- Puts together amounts of money not exceeding Rs 50/-.
- Adds and subtracts small amounts of money mentally.
- Transacts an amount using 3-4 notes.

Measurement**(13 hrs.)****LENGTH**

- Measures lengths & distances along short & long paths using uniform (non-standard) units, extends to longer lengths.

WEIGHT

- Compares two or more objects by their weight.
- Appreciates the need for a simple balance.
- Compares weights of given objects using simple balance.

CAPACITY (VOLUME)

- Compares and orders containers in terms of internal volume (capacity).
- Orders given containers as per their capacities on the basis of perception & verifies by pouring out etc.

TIME

- Gets familiar with the days of the week and months of the year.
- Gets a feel for sequence of seasons (varying locally).
- Sequences the events occurring over longer periods in terms of dates/days.

Data Handling**(6 hrs.)**

- Collects data through measurement.
- Represents the data followed by discussion (e.g. heights of children).
- Collects and presents the data on birthdays.
- Draws inferences from the data at the appropriate level.

Patterns**(10 hrs.)**

- Observes and extends patterns in sequence of shapes and numbers.
- Searches for patterns in different ways of splitting a number.
- Creates block patterns by stamping thumbprints, leaf prints, vegetable prints, etc.
- Creates patterns of regular shapes by stamping.