

Karnataka Board Class 1 Maths Syllabus

Geometry**(14 hrs.)****Shapes & Spatial Understanding**

- Develops and uses vocabulary of spatial relationship (Top, Bottom, On, Under, Inside, Outside, Above, Below, Near, Far, Before, After)

Solids around us

- Sorts, Classifies and describes in their own words the objects like pebbles, pipes, balls, cones of shapes, and other observable properties.
- Observes and describes the way shapes affect movements like rolling and sliding.
- Sorts 2 - D shapes such as flat objects made of card etc. (triangle, rectangle and circle)
- Draws circles, triangles and rectangles freehand.

Numbers**(60 hrs.)**

- Developing a sense of Numberness, Counting and Operations of Numbers 1 - 9 & zero
- Observes objects and makes collections of objects.
- Arranges the collection of objects in order by
 - Matching and
 - One to one correspondence
- Counts the number of objects in a collection.
- Makes collection of objects corresponding to a specific number.
- Recognizes and speaks numbers from 1 to 9. Uses numbers from 1 to 9 in counting and comparison. (Real objects and repeated events like clapping to be used for counting)
- Reads and writes numerals from 1 to 9.
- Adds and subtracts using real objects and pictures (Sum/difference not exceeding 9)
- Reads + and –
- Adds and subtracts the numbers using symbols '+' and '-'.

- Approaches zero through the subtraction pattern (such as $3-1=2$, $3-2=1$, $3-3=0$). Reads and writes zero.
- Numbers from (10 - 20)
- Forms Number sequence from 10 to 20.
- Counts objects using these numbers.
- Groups objects into a group of 10s and single objects.
- Develops the vocabulary of group of 'tens' and 'ones'.
- Shows the group of tens and ones by drawing.
- Counts the number of tens and ones in a given number.
- Writes ten to twenty using numerals.
 - Compares numbers up to 20.
- Addition and Subtraction (upto20)
- Adds and subtracts numbers up to 20.
- Numbers from 21 – 99
- Writes Twenty-one to Ninety nine using numerals.
- Groups objects into tens and ones.
- Draws representation for groups of ten and ones.
- Groups a number orally into tens and ones.

Mental Arithmetic

- Adds two single digit numbers mentally.

Money (6 hrs.)

- Identifies common currency notes and coins.
- Acquaints with these coins and currency makes the given amount using different combination of coins. 1Re = 100Ps.
- Relates cost of material with currency.

Measurement**(18hrs.)****Length**

- Distinguishes between near, far, thin, thick, longer/ taller, shorter, high, low.
- Seriates objects by comparing their length.
- Measures short lengths in terms of non-uniform units (in the context of games e.g. 'Gilli Danda' and 'marble-games').
- Estimates distance and length, and verifies using non-uniform units (e.g. hand span etc.)

Weight

- Compares between heavy and light objects.

Time

- Distinguishes between events occurring in time using terms -earlier and later.
- Gets the qualitative feel of long & short duration, of school days v/s holidays.
- Narrates the sequence of events in a day.
- Gets familiar with the days of the week.
- Gets familiar with the month of the year

Data Handling**(8 hrs.)**

- Collects, represents and interprets simple data.

Patterns**(14 hrs.)**

- Acquaints with sequences of simple patterns found in shapes in the surroundings e.g. stamping activity using fingers and thumb, using familiar objects etc. Completes a given sequence of simple patterns found in shapes in the surroundings.