# Karnataka Board Class 3 Maths Syllabus

**Geometry** **(18hrs.)**

**Shapes & Spatial Understanding**

• Creates 2D shapes through paper folding/ paper cutting and identifies them.

• Describes the various 2-D shapes by counting their sides, corners and diagonals.

• Makes shapes using straight lines and curves on the dot-grid.

• Creates shapes using tangram pieces.

• Matches the properties of two 2-D shapes by observing their sides and corners (vertices).

• Tiles a given region using a tile of a familiar shape

• Distinguishes between shapes that tile and that do not tile.

• Intuitive idea of a map. Reads simple maps (not to scale)

• Draws some simple 3Dobjects, using ruler/ free hand.

• Explores the relationship between 3D and 2D by arranging coins one upon the other to get the cylinder bangles to get hollow cylinder etc.

**Numbers** **(54 hrs.)**

• Number sequence up to 1000

• Reads and writes 3-digit numbers.

• Expands a number w.r.t. place values.

• Counts in various ways.

     - starting from any number.

     - Skip counting

     - Back counting

     - Compares numbers.

• Forms greatest and smallest numbers using given digits.

**Addition & Subtraction**

• Adds and subtracts numbers by writing them vertically in the following two cases

  -without regrouping.

  - with regrouping.

• Uses the place value in standard algorithm of addition and subtraction.

• Solves addition and subtraction problems in different situations presented
  through pictures and stories.

• Frames problems for addition and subtraction facts

• Estimates the sum of and difference between, two given numbers
  not exceeding 99.
  Multiplication

• Explains the meaning of multiplication (as repeated addition).

• Identifies the sign of multiplication.

• Constructs the multiplication tables of 3, 4 and 10

• Uses multiplication facts in situations.

• Multiplies two digit numbers using standard algorithm and Lattice multiplication
  algorithm.

**Division:**

• Explains the meaning of division from context of equal grouping and sharing.

• Relates division with multiplication.

• Completes division facts

  - by grouping

  - by using multiplication tables

**Mental Arithmetic**

 • Adds and subtracts single digit number and two digit number mentally.

 • Doubles two digit numbers mentally (result not exceeding two digits).

**Fractional Numbers**

 • Identifies half, one fourth and three- fourths of a whole and relates to real life situation.

 • Identifies the symbols, ½, ¼, ¾.

 • Explains the meaning of ½, ¼ and ¾.

**Money** (7 hrs.)

 • Converts Rupee to Paise using play money.

 • Adds and subtracts amounts using column addition, and subtraction without regrouping.

 • Aquaints with simple rate charts and bills.

**Measurement** (25hrs.)

**Length**

 • Appreciates the need for a standard unit.

 • Develops the skill of measurement of length using appropriate standard units of length by choosing between centimetres. And

 • Metres. (No millimetres)

 • Estimates the length of given object in Standard units and verifies by measuring.

 • Uses a ruler

 • Appreciates and expresses the relationship between centimetre and metre

**Weight**

• Weighs objects using non-standard Units.

• Appreciates the conservation of weight.

**Volume**

• Measures and compares the capacity of different containers in terms of non-standard units.

• Appreciates the conservation of volume.

**Time**

• Reads a calendar to find a particular day and date.

• Reads the time to the nearest hour.

• Sequences the events chronologically.

**Data Handling** (8 hrs.)

• Records data using tally marks.

• Collects data and represents in terms of pictogram choosing appropriate scale and unit for display through pictogram.

• Draws conclusions from the data through discussion.

**Patterns** (8 hrs.)

• Identifies simple symmetrical shapes and patterns.

• Makes patterns and designs from straight lines and other geometrical shapes.

• Identifies patterns in the numerals for odd and even numbers and in adding odd and even numbers.

• Partitions a number in different ways.

• Identifies patterns in his surroundings based on shape, colour and size. Identifies patterns in multiplication tables.