

SYLLABUS 2021 – 2022

CLASS - 5

SUBJECT : MATHEMATICS

UNIT	CONTENT
TERM-I	
1. Geometry	1.1a Draw 3D Shapes from 2D shapes (introduction) 1.1b Able to explore rotation of familiar 2D shapes intuitively (by paper folding method , Example) 1.1d Able to explore symmetry in familiar 3D shapes like in alphabets intuitively (introduction, example) 1.2a To get the feel of an angle through observation of objects and by paper folding (introduction) 1.2b Able to learn the names of angle like acute, obtuse and right angle (introduction) 1.2c Able to identify right angles in the environment(introduction, example and do yourself)
2. Numbers	2.1.1 the uses of Numbers beyond 10000 in real life situation (Activity 1) 2.2a place value chart (Example 1,2 and Activity 1,2) 2.2b Importance of commas or periods.(Introduction) 2.3 Comparision of numbers 2.4 Ascending and descending order of numbers (Example1 and 2) 2.5.1 Addition (introduction) 2.5.2 Subtraction(Example) 2.5.4 Multiply the three digit numbers by two digit numbers (Example 1 and 2) 2.5.5 Division Algorithm (introduction) 2.5.6 Divide 4 digits by 2 digits (Example 1,2 and 3)
3. Patterns	3.1 Patterns in shapes (Example) 3.2a To identify patterns in square numbers and triangular numbers(introduction and do you know) 3.2b To relate sequences of odd numbers between consecutive square numbers(introduction and note)

4. Measurement	4.1a Able to apply the four operation in solving problems involving length (introduction) 4.2 Conversion (introduction, example 1 and 4) 4.3 Addition (Example) 4.4 Subtraction (Example) 4.5 Multiplication (Example1 and 2) 4.6 Division (Example 1&2)
5. Time	5.1 Railway time (introduction) 5.3 Use addition and subtraction in finding time interval (Example)
6. Information Processing	6.1 Systematic listing(Example 1 and 2) 6.2 Graphical Representation of data 6.2.1 Collection of two-dimensional quantitative data (Example 1 & 2) 6.3 Pictograph (Example) 6.5 Bar Graph (Example1)

TERM-II	
1. Geometry	1.1 Complimentary angles and supplementary angles (Examples) 1.2 Fractals (Definition and Examples)
2. Numbers	2.1 Introduction of square numbers(Definition and Activity 1 and 2) 2.2 Factors and multiples (Definition) 2.3 Composite and prime numbers (Examples) 2.4 Least Common Multiple(L.C.M) (Example) 2.5 Life Applications of L.C.M (Example)
3. Patterns	3.1 Patterns in Geometry (Example) 3.2 To make Patterns of shapes using different number of angles/ types of angles (introduction) 3.3 Rotating angles (introduction)
4. Measurement	4.1 Able to apply the four operations in solving problems involving weight (Examples) 4.2 Able to apply the four operation in solving problems involving capacity (Examples)
5. Interconcept	5.1 Able to reason out in solving problems by comparing Time, Money, Distance (Activities) 5.2 Able to create problems integrating time, money and distance (Introduction and Example) 5.3 Relation between Speed, time and distance (Example) 5.4 Relation between distance and money (Example)
6. Information Processing	6.1 Modelling (introduction and example)

TERM-III	
1. Geometry	Perimeter and Area (Example 1.1 to 1.4) Area of rectangle and square (Formula, Example 1.5 to 1.8)
2. Numbers	2.1 Estimation (Situation 1 and 2, Example 2.1 to 2.6) 2.2 Systematic Ordering (Example 2.9)
3. Measurement	To know the volume of a solid body by informal measurement (Situation 1 and 2) Finding volume using unit cubes (introduction, Activity 4)
4. Algebra	Inequality (Example 4.2)
5. Money	Addition and Subtraction using money (Example 5.1 to 5.4) Multiplication and Division in money (Example 5.5 to 5.8)
6. Fraction	6.1 Compare fractions (Example 6.1) To compare different simple fractions (Example 6.2 and 6.3) 6.2 Equivalent fractions (Example 6.4 and 6.5) Converting unlike fractions into like fractions (Example 6.6 to 6.8) Addition of like fraction (Example 6.11 to 6.13) Subtraction of like fractions (Example 6.14, 6.15) Multiplication of fractions by a single digit number (Example 6.16, 6.17) Relationship between fractions and decimals (Example 6.18, 6.19)
7. Information Processing	Able to split bigger task into smaller known task (Situation 1 and 2) Solving a multiplication problem involving 2 three digit numbers (Introduction)