Vidya Pratishthan's Dr. Cyrus Poonawalla School (CBSE)
Annual Curriculum Planning, 2022 – 23

STD:III   **SUBJECT: MATHEMATICS**

Sr. No.	Content/Topic	Month and Working Days	No. of Periods for teaching	Learning Objectives	Expected Learning Outcomes	Activity	21st Century Skills	Teaching Aids	Assessment
1.	1. Large Numbers	April (22)	14	1. To read and write 4-digit numbers.	Students will be able to understand the following points-	**Maths Lab Manual Activity-1** To understand place value using abacus.	Problem Solving	Abacus, Place value chart	Worksheet, Mental Maths.
				2. To know face value & place value.	1. Represent 4- digit numbers on the Abacus				
				3. To show 4-Digit numbers on abacus.	2. Write the number names, predecessor, successor of given 4- digit numbers.				
				4. To understand the comparison of numbers.	3. Identify the numbers as odd or even.				
				5. To know to form largest and smallest 4 digit number.	4. Round the number to nearest tens.				
				6. To understand rounding off numbers to nearest tens.					
				7. To know the Roman Numbers.					
2	2.Addition	June (16)	16	1. To understand addition facts .	Students will be able to-	**Maths Lab Manual** Activity-2 To understand addition using Abacus.	Flexibility and Adaptibility	Cards of numbers	*Worksheet* ,Add the following.
				2. To add 3-digit and 4-digit numbers(with and without regrouping)	1. Add 4- digit numbers.	Formation of 4-digit numbers			
				3. To find estimated sum.	2. Estimate the sum between two Numbers to				

					4. To know properties of addition.	the nearest ten / hundred and then compare with actual sum .				
						3. Apply the properties of addition.				
						4. Solve word problem.				
3	3.Subtraction	June/July(26)	9		1. To Subtract 2, 3 and 4 digit numbers 2. To estimate difference between two numbers 3. To understand the properties of subtraction 4. To solve Word problems	Students will be able to- 1. Subtract two 3- digit numbers vertically. 2. Estimate the difference between two Numbers to the nearest ten / hundred, and then compare with actual difference. 3. Apply the properties of subtraction.	**Maths Lab Manual Activity -3** To Find the difference by forming smallest and biggest numbers using digits.	Collaboration	Blocks of ones, tens & hundreds	Subtract the following.
4	4. Multiplication	July/August (21)	10		1. To multiply using a number line. 2. To multiply a 3-digit number by 1 & 2 digit number 3. To understand properties of multiplication.	Students will be able to- 1. Building multiplication tables. 2. Multiply 3-digit number by one and two digit numbers. 3. Recognize that multiplication can be done in any order.	**Maths Lab Manual Activity -4** To understand the concept of multiplication of 2 numbers using paper strips. To learn multiplication with marbles / pebbles / blocks	Initiative and Self-Direction	Multiplication table chart, marbles	Worksheet, Mental Maths worksheet.

				4. Multiply numbers by power of 10 and their multiples.					
5	5. Patterns And Symmetry	August	6	1. To Identify the patterns in nature, in man-made thing and in numbers

2. To understand the designs in tilling

3. To define symmetry and symmetrical shapes | Students can-

1. Create growing and decreasing patterns of shapes, numbers and alphabets.

2. Identify symmetrical figures and draw their axes of symmetry.

3. Draw Tiling patterns. | **Maths Lab Manual Activity -5** To make symmetrical shapes.

Make tilling pattern.

Thread painting. | Experiential learning | Different things such as table, chair, bench, designs, etc. | Draw next two shapes in the pattern. |
| 6 | 6.Division | August/ September(24) | 12 | 1. To understand equal sharing and equal grouping.

2. To understand division as repeated subtraction.

3. To know the use of multiplication tables for division.

4. Division facts. | Students will be able to-

1. Use repeated subtraction to solve division problem.

2. Apply the properties of division.

3. Solve word problem related to division. | **Maths Lab Manual Activity-6** To understand equal sharing.

Division using marbles / pebbles / blocks | Critical Thinking | Different things i.e. pencil, sharpener to introduce the concept | Worksheet, Mental Maths Worksheet. |
| 7 | 7. More on Division | September /October(17) | 10 | 1. To divide 2-digit or 3-digit numbers by 1-digit number.

2. To know the steps of doing Long division method. | Student will be able to-

1. Divide 2 and 3-digit number by 1-digit number | Quick quiz on division | Critical Thinking | Different objects like marbles, pebbles | Divide and check your answer. |

				3. To understand Checking division.	2. Solve word problem related to division.				
8	8.Fractions	October	9	1. To Identify the numerator & the denominator. 2. To write the fractions. 3. To know the fractions of a whole object. 4. To recognize simple fractions. 5. To understand fraction wall to compare fractions. 6. To define the properties of fractions	Students can- 1. Describe the concepts half, one third and quarter by shading. 2. Identify fraction based on shaded parts of whole and Identify the numerator and denominator of fractions	**Maths Lab Manual Activity -7** To make a fraction wall to understand the comparison of fractions. Making fractions using paper plate	Creativity	Fraction kit, paper plate	Fill in the blanks. Compare the fractions.
9	9.Geometry	November(25)	11	1. To identify solid shapes 2. To classify lines as curved or straight lines. 3. To know the plane (2D) shapes. 4. To Define point, line, line segment & ray and to understand the way to write them. 5. To know the solid shapes with their specifications.	Students will be able to- 1. Identify different solid shapes. 2. Identify curved and flat surfaces. 3. Identify plane figures. 4. Identify Solid Shapes with their specifications.	**Maths Lab Manual Activity- 8** To create different designs with Tangram.	Art integrated learning	Different 2-D shapes, solid (3D) shapes	Draw the shapes and fill in the table. Worksheet

				6. To understand the method to measure the line segment.	5. Measure and draw line segment.					
10	1	10.Measurement	December(20)	12	1. To understand the conversion of units of length, weight and capacity from one unit to another unit 2. To add & subtract – length, weight and capacity	Students can- 1. Compare length and measure lengths in metres. 2. Convert length, weight and capacity from one unit to another unit. 3. Solves problems on addition and subtraction of length.	**Maths Lab Manual Activity**-9 To develop skills to estimate length. To measure length, weight & capacity of different objects	Experiential learning	Different measures of length, weight and capacity	Worksheet
11		11.Time	December/ January( )	12	1. To learn to Read and write time. 2. To know about the days of the week, the months of a year and the leap year. 3. To know about time line of an event	Students will be able to- 1. Interpret a calendar. 2. Write dates in different ways. 3. Create a time line and list events on it.	**Maths Lab Manual Activity**- 10 To reinforce the concept of time. To make model of a clock	Productivity and accountability.	Clock, calendar, ICR	Draw the hands on the clock to show the time. Worksheet
12		12.Money	January/ February( )	12	1. To identify different demonstrations of notes & coins 2. To understand conversion of rupees into paise and vice versa	Students can- 1. Count and write money.	**Maths Lab Manual Activity**- 11 To role play buying and selling.	Financial Literacy	Dummy currency notes, coins, bills, etc.	Convert the following.

					3. To handle money by Adding, subtracting, multiplying & dividing money. 4. To Understand making bills.	2. Add, subtract, multiply & divide money 3. Prepare bills for expenses.	Group activity for shopping		Worksheet
13	13.Data Handling	February	12		1. To collect data 2. To understand the representation of data through a pictograph & a bar graph. 3. To represent data using tally marks. 4. To interpret the data	Students will be able to- 1. Represent data through a pictograph and a bar graph. 2. Interpret the data. 3. Represent data using tally marks.	**Maths Lab Manual Activity- 12** To learn to investigate, represent and analyze data. To draw a bar graph & pie chart	Information Literacy	Information chart, ruler, compass & notebook	Read the pictograph to answer the questions. Worksheet