

NAVY CHILDREN SCHOOL, COIMBATORE
SPLIT UP SYLLABUS AY - 2024 - 25 -Class II -Mathematics

Month	Chapter	Competency	Learning outcome	Suggested activities	TLM	Assignments
April	Bridge Course	Recapitulation of concepts learned in class 1(Bridge course) <ul style="list-style-type: none"> ● Numbers 1 to 100 ● Missing numbers ● Greater than ,lesser than , equal to ● Before, after, in between numbers. ● Forward and backward counting. 	To make the children familiar with basic concepts of maths in the beginning of the session.	Writing Number Names and Numbers Ascending ,Descending Order, Recognizing Number	Pencils, chalks, marbles, ice cream sticks and straws	Assignments /Worksheets .Missing numbers . Greater than ,lesser than , equal to .Before, after, in between numbers.

April	1. A Day at the Beach	<ul style="list-style-type: none"> ● Grouping Numbers by grouping. ● How many ● more to make a hundred ● Let's make numbers. ● More or less ● Increasing and Decreasing order. 	<p>Read and write numerals for numbers upto 99</p> <p>Uses place value to write and compare 2-digit numbers.</p> <p>Forms the greatest and smallest 2-digit numbers (with and without repetition of given numbers)</p>	<p>Counting things found in the class-desks,benches, chawks,books etc.</p> <p>Make flash cards 1 to 9 and place them appropriately at tens and ones place.</p> <p>Counting things found in the class desks, chairs, charts, etc.</p> <p>Students will throw the ring towards more objects.</p>	Benches, Desks, Books, Chalk sticks, beads blocks.	<p>Assignments/Worksheets more or less, counting in groups, ascending, descending order.</p> <p>Circle the correct answer.</p> <p>Eg. Number of teeth in your mouth (less than 40/more than 40).</p>
-------	-----------------------	--	--	--	--	--

May/June	2. Shapes Around Us	<ul style="list-style-type: none"> ● Physical attributes of 2D shapes and 3D objects (long, flat, round, edge, corner- to be discussed) ● Similarities and differences among their physical attributes ● Solid shapes ● Knowledge about the edges, corners, and faces of different shapes. 	<p>Recognizing 3D-shapes .Describes basic 3D and 2D -shapes. Understand the characteristics of 2D and 3D shapes. Sorting and matching the 3D objects with the corresponding 2D objects. The learner can identify and correlate 3D objects with 2D shapes.</p>	<p>Identifying solid figures from the class-duster, chalk, water bottle, chalk box etc. Ask them to draw different geometrical shapes and colour them.</p>	<p>3D Shapes, water bottle , chalk box ,ball , duster , birthday caps , etc. Matching shapes with objects around us.</p>	<p>Assignments/Worksheets .List the things Which are 2D and 3D shapes.</p>
July	3. Fun with Numbers	<ul style="list-style-type: none"> ● Skip counting ● Patterns in numbers ● Solves simple daily life problems/ 	<p>Understand the concept of forward and backward counting. To be able to understand the concept of more or less Enable the children to learn</p>	<p>Children will move on a number line (as per the given number) Skip counting by</p>	<p>Number Line Solving verbal problems from daily life situations Pictorial</p>	<p>Assignments/Worksheets based on addition of two digit numbers. subtraction of two digit numbers</p>

		<p>situations based on the addition of two-digit numbers.</p> <ul style="list-style-type: none"> ● Solves daily life situations based on subtraction of two-digit numbers. 	<p>about skip counting using number line, and number grid. Develop mathematical thinking and strategies to complete the pattern.</p>	<p>2's, 3's, 4's etc by using 10 *10 grid. * Learner is able to solve verbal problems related to grouping</p>	<p>representation to arrive at the next number using flash cards. E.g. 9+1=10. Show the children some fingers and ask them to count, then clap or jump accordingly.</p>	
--	--	---	--	---	---	--

ASSESSMENT - 1

August	4. Shadow Story (2D-shapes)	<ul style="list-style-type: none"> ● Shadow of solid figures ● Plane Figures ● Patterns ● (Number patterns, letter patterns, alpha-numeric patterns) 	<p>Observe the shadows of different objects at different times. Encourages to form shadows using hands. Develops mathematical thinking, creativity, art, and drawing. Understand the concept of a pattern and predict what will come next in a given pattern. Explain alphabet and</p>	<p>Formation of shadows using hands. Make a puppy using Origami paper and count it's edges, corners, and sides.</p>	<p>Paper , bangle , origami paper , leaves , colour pencils , crayons</p>	<p>Assignments/Worksheets on Plane Figures and Patterns</p>
--------	-----------------------------	--	--	--	---	---

	5. Playing with Lines (Orientations of a line)	<ul style="list-style-type: none"> ● Understand that shapes are created with lines. ● Concept of standing, sleeping, and slanting lines. ● Straight lines and Curved lines 	<p>number patterns.</p> <p>To distinguish between straight and curved lines Representing straight and curved lines in various orientations (Vertical, horizontal, slant, and curved lines) Recognizes standing, slanting and sleeping lines. Sorts and classifies standing, slanting and sleeping lines.</p>	<p>Draw different figures with the help of straight lines (Vertical, horizontal and slanting) and curved lines. Make numbers and letters using matchsticks by standing, sleeping and slanting lines. eg. HAT. Counting and writing the different types of lines in English alphabets and numerals. Making designs/ Rangoli Draw Warli painting using straight lines .</p>	<p>Colour pencils, crayons, scale. Chart made with sticks pictures. Beads.</p>	<p>Assignments/Worksheets *Trace straight and curved lines by connecting the dots Join the dots to make straight, slanting and curved lines</p>
Septemb	6. Decoration	● Adding	Learn how to add and	Oral drilling of	10/10 Number	Assignments/Worksheets

er	for Festival (Addition and Subtraction)	<p>numbers(Tens and Ones)</p> <ul style="list-style-type: none"> ● Addition and Subtraction on a Number line. ● Subtracting Numbers ● Subtracting Numbers (2-digit numbers) ● Word problems ● Addition and Subtraction Facts 	<p>Subtract two-digit numbers using number lines and blocks.</p> <p>Learn how to carry while addition.</p> <p>Learn how to borrow while subtraction.</p> <p>Solves daily situations based on addition and subtraction of two digit numbers.</p> <p>Enable the students to learn about addition and subtraction facts .</p>	<p>simple addition and subtraction using correct mathematical vocabulary.</p> <p>Throwing two dice and the numbers to get their points and fill in the blanks.</p> <p>To make a garland with colourful beads.</p> <p>Paste bindis to do addition.</p> <p>Solve addition and subtraction using flash cards.</p> <p>Addition and subtraction on a number line using the concept of forward and backward counting</p>	<p>grid , objects in the surroundings , dice , etc.</p> <p>Flashcards of numbers.</p>	<p>Worksheet on addition and Subtraction.</p> <p>Solve word Problems on addition and subtraction</p>
----	---	--	--	--	---	--

ASSESSMENT - 2

October	7.Rani's Gift (Measurement)	<ul style="list-style-type: none"> ● Measuring Length ● Measuring 	To estimate and measure the length/distances using non standard units.	Measuring length of different objects like table, desk,	Football, marbles, bottles,	Assignments/Worksheets On heavier/ lighter objects.
---------	-----------------------------	---	--	---	-----------------------------	---

		<ul style="list-style-type: none"> ● Weight Measuring Capacity 	<p>Comparing the weights of different things. Guesses the weight of different things without weighing them by holding them in their hands. (heavier/lighter) To know about different types of weighing balances. .Measures and expresses the capacity of a container using improvised units such as cups, glasses, and bottles Identifies and feels the things heavier or lighter.</p>	<p>blackboard, book using nonstandard units like Hand span, eraser, pencil etc.</p> <p>.Making a Beam Balance using paper cup and thread. Compare Weight of any two objects like eraser,pencil,sharp ner,crayon etc. . Make a lemonade and write the quantity of ingredients used. . Children will observe different objects being weighed in a weighing balance to understand the concept of difference in weights and make comparisons. .Placing 2 different</p>	<p>books, fruits etc Chart of heavier and lighter objects. Common balance -Paper cups, thread, stick etc</p>	<p>Circle the heavier objects and colour the lighter objects. Match the following Guess which vessel holds the least water and most water.</p>
--	--	---	--	---	--	--

				objects on the pans and finding out why one pan goes up ? (
November	8.Grouping and Sharing (Multiplication and division)	<ul style="list-style-type: none"> ● Multiplication Tables(1 to 10) using grouping ● Multiplication as a repeated addition. ● How many times we added the same number? ● Division by grouping, Share equally. ● Division as a repeated subtraction. ● The relation between multiplication and division. ● Word problems 	<p>Explain group, set size and product. Multiply on the number line. To complete multiplication tables by grouping . Multiplying 2-digit numbers by 1- digit number with or without regrouping using column method. Understand to divide a group into equal parts. To solve word problems based on multiplication and division.</p>	<p>Oral drilling of multiplication tables. Practicing multiplication and division using flash cards. Collect 24 small objects like buttons,pebbles etc.Arrange them in different arrays and write the related multiplication fact. Collect 20 beads.Make malas using these beads.Write division facts. Number of malas and number of beads. 4malas 5 beads in each</p>	Marbles , Bindis, Chart papers , beads , buttons , books.	Assignments/Worksheets Based on multiplication and division.

				mala.		
December	9. Which season is it? (Measurement of time)	<ul style="list-style-type: none"> ● Seasons and festivals ● Reading a Calendar Days of the week. Months of the year. <ul style="list-style-type: none"> ● Time duration to complete a work Daily routine <ul style="list-style-type: none"> ● Reading time (O'clock) Knowing Directions East, West, North and South	To gain knowledge about food and clothes of different seasons. Learn about festivals celebrated in different seasons. Identifies the names of days of the week and months of the year. Knowledge about the use of clock and calendar.	Make a dummy clock. Write schedule of activities. Identify which activity takes more time? Which activity takes less time? Counting of months on knuckles. Telling the number of days in each month using a calendar	Number cards, chart of days, and months. Calendar/ Time table of class 2 Charts of fruits, vegetables and flowers. charts of festivals, seasons, months.	Assignments/Worksheets *Worksheet on days of the week, months of the year, seasons etc.

ASSESSMENT - 3

January	10. Fun at the Fair (Money)	<ul style="list-style-type: none"> ● Coins and Notes ● Addition and Subtraction of Money ● Word 	Understanding different denominations of our Indian currencies. Use of money in day-to-day buying and selling situations.	Collect pictures of Indian currencies. Collection of different old coins and notes.	Coins, fake notes, objects like bangles, ice cream sticks.	Assignments/Worksheets Add the numbers using fake notes of 10, 20, 50.
---------	-----------------------------	--	--	--	--	---

		problems	Apply correct methods to solve day to day life problems based on addition and subtraction of money. Learners can tell the no of 10 rupee notes and 1 rupee coins for a given amount and vice versa.	<p>Playing a shopping game. Drawing 10 rupee notes/1 rupee coins for any given amount.</p> <p>Make money box and colour it and learns to save money.</p>		
February	11.Data handling	<ul style="list-style-type: none"> ● Recognition of pictograph has a title,a label, a symbol and a key. ● Data handling- ● Collecting information like names ending with specific letters, numbers of different fruits shoe sizes, glasses of water, etc. and classify them. 	<p>Recognize pictograph is a type of data representation in which a picture or a symbol is used to represent data.</p> <p>Understand ancient people used pictures or symbols for counting and denoting objects.</p> <p>Identifies similarities and differences among the properties, physical features etc of different objects.</p>	<p>Make your own smart chart.</p> <p>Collecting information from friends/family members regarding favourite game</p> <p>Find the no. of children wearing the shoes of different sizes.</p>	<p>Pictorial representation</p> <p>Toys, fruits, Vegetables, Ribbons, rubber, comb. Alphabet.</p> <p>Objects like glasses, water bottles, colours.</p>	<p>Assignments/ Worksheet on pictorial representation</p>

- | | | | | | | |
|--|--|---|--|--|--|--|
| | | <ul style="list-style-type: none">● Draws inference based on the data collected such as the number of vehicles used in Samir's house is more than that in Angelina's house. | | | | |
|--|--|---|--|--|--|--|

ASSESSMENT - 4