

NAVY CHILDREN SCHOOL
PRIMARY WING, NAUSENA BAUGH, VISAKHAPATNAM
PROPOSED SPLIT UP SYLLABUS (2024-25)
FOR CLASS -1 AS PER NEW NCERT BOOKS, BASED ON NEP 2020

Month	Chapter & No. Of Periods	Competency	Learning Outcome	Suggested Activities	TLM	Assignments
April	Vidya Pravesh/ School Readiness Programme 20 PERIODS	Pre-mathematical concepts Awareness of surroundings. Sorting in two categories.	*Makes the children familiar with the surroundings. *Develops awareness of themselves and feel good about who they are. *Inculcates in them the habit of school routine and get to know about the school environment. *Understands the concept of left and right. *Counts numbers and write their names. *Arranges numbers as per the given sequence. *Learns pre mathematical concepts with flashcards and teaching aids. • Learns pre-mathematical concept while playing board games (snake & ladder)	• Awareness about furniture and objects in the classroom • Sorting of crayons on the basis of colours • Walk around the wing and school • Playing classroom games	• Beads, crayons. • Flashcards • Board game	Activities / Worksheets Worksheets on counting and tracing.
May-June	Vidya Pravesh- 16 PERIODS	Pre-mathematical concepts Following the pattern • Whole and Half • Comparison • Making groups	• Involves the learner to understand different shapes in the surroundings. • Recognizes the pattern in pictures, shapes, numbers, alphabets, colours. • Tells whole and half of the given object. • Compares the things as big and small. • Makes groups of the given objects based on their similarities.	• Paper cutting activity • Draw window and door of your class. • Hopscotch game • 1 Colouring activity	• Colour papers • Crayons • Flashcards • Toys	Activities / Worksheets • Worksheets on shapes, inside-outside, small-big, near-far, on-under and above. Activity: Cut out the shapes with colour paper and stick on
July	Vidya Pravesh – 16 PERIODS	Pre-mathematical concepts • Problem solving and reasoning • Seriation Classification • One to one correspondence • Estimation	*Puts together things that have same characteristics. *Orders a set of objects according to some rule. *Matches objects, pairs, understands the meaning of “many and few”, “more than, less than”, “as many as”. *Estimates the length of the given objects. *Develops measuring skills and making estimates with the hand span, palm, fingers and foot. *Integrates math with day to day activities in addition the need for daily use of specific mathematical vocabulary.	• Sorting of textbooks • Sorting of colours • Activity worksheets – Circle the big objects. • Matching, Sorting and Classification worksheets • Count your objects		Activities / Worksheets Worksheet on circle the big objects Count and write the number
August	1. Finding the Furry Cat – 8 PERIODS	Pre-number concepts	• Identifies the spatial relationship of the things. • Reads the words used for the different position of things. • Relative vocabulary development inside/outside, bottom/top, above/below. • Talks about the animals that they see around them, like cats, dogs, cows etc. • Discusses when, where and why do we hoist the national flag. • Shares the experiences of their train journey.	• Identify the position of the objects in a given picture • Look at the Tiranga and tell the position of the colours. • Draw 5 boogies to your train engine • Sorts the objects like seeds, leaves, beads, etc. • Colouring pictures in groups. Going to park, playground and visiting all the places in group. Walk in a line to the assembly ground (Height wise). • Game on inside-outside • Collect locally available objects of different shapes	• Bottles, boxes, pencils, balls, match sticks, bangles of different sizes, ice-cream sticks, books. • Dominoes cards with holes. • toys, wooden beads, sticks, colour pencils etc.	• Activities / Worksheets • Worksheet on counting numbers 1 to 9. • Make numbers using match sticks or pulses etc.

	2. What is long? What is round? 8 PERIODS	Shapes and Spatial Understanding	<ul style="list-style-type: none"> Identifies the objects shown and compares with basic 3D shapes such as cone, cuboid, cube and sphere by their names. Classifies things as smooth and rough. Identifies edges, corners and faces of different 3D objects. Identifies things that roll, slide and both roll and slide. 	<ul style="list-style-type: none"> Identify round and long objects from the collection. Identify the touch – by playing blind fold activity. Slide in the park 		
September	3. Mango Treat – 8 PERIODS	Numbers 1 to 9 (Numbers and operations on numbers)	<ul style="list-style-type: none"> Reads and writes numbers and number names Vocabulary development (more/less) Counts the numbers correctly. Writes the numbers; “just before”, “in between” and “just after” Ascending/ descending order. Does forward and back counting. Knows the value of Zero. 	<ul style="list-style-type: none"> Poem on numbers. Counting of pictures, objects. Trace, write, and find. Counting with one to one correspondence. Objects before and after as shown on the string Value of Zero – with leaves on a stem, balls in the buckets, pencils in the box. Forward and Backward counting – SNAKE AND LADDER 	<ul style="list-style-type: none"> Objects in the surroundings Abacus. Beads. Colour pencils, chalks etc. leaves Balls 	<p>Activities / Worksheets</p> <p>Tick the group that have more number of objects. Count and write the number and number name.</p>
	4. Making 10 12 PERIODS	Numbers 10 to 20 (Numbers and operations on numbers)	<ul style="list-style-type: none"> Reads and writes numbers and number names up to 20 Compares the numbers up to 20. Forward / backward counting. Identifies the biggest, smallest number Writes numbers: missing numbers, “just after”, “just before”, “in between.” Ascending / descending order. Learns the place and place value of the digits. Reads and writes numbers in forward and backward order. 	<ul style="list-style-type: none"> Pictorial representation to arrive at the next number using flash cards. E.g.9+1=10. Bringing out the place value by putting them in bundles of tens and ones using sticks. Ask one child to draw 5 apples on the board and another child to take away three apples. Now the third child will say how many are left? Circle the bigger number and the smaller number. 	<ul style="list-style-type: none"> Flash cards. Sticks/ straws, bangles, pencils, beads ice-cream spoons etc. Abacus 	Making group of 10 worksheet
	5. How Many? 10 PERIODS	Addition and subtraction of	<ul style="list-style-type: none"> Learns the terms related to addition: add, join, altogether, total and plus (+) Does additions with the help of pictures and numerically Constructs addition fact using pictures and numerically. Counts the number from the bigger number in forward way. Knows the value of Zero. Develops problem solving ability by forward counting. Learns the vocabulary: take away, remove, left, remaining and minus (-) Does subtractions with the help of pictures and numerical. Learns the value of Zero is nothing (NO) in Subtraction. 	<ul style="list-style-type: none"> Poem on addition. Collect some objects in the surroundings and ask them how many are there altogether. Use dominoes or interlock cubes for addition. Take two cards having pictures of same kinds of different numbers and count altogether. Ask a child to come to the board and draw three circles and another child draw two Circles. Now the third child count altogether. 	<ul style="list-style-type: none"> Objects in the surroundings. Abacus. Dominoes or interlock cubes. Color pencils, chalks etc. All available objects with the students and in the classroom 	<p>Activities / Worksheets</p> <ul style="list-style-type: none"> Worksheet on addition and subtraction <ul style="list-style-type: none"> Add and match. Find the missing numbers

October	6. Vegetable Farm 8 PERIODS	Addition and subtraction up to 20 (Numbers and operations on numbers)	<ul style="list-style-type: none"> • Reads and writes number and number names up to 20 • Compares the numbers up to 20. • Does addition with the help of pictures and numbers. • Does subtraction with the help of pictures and numbers. Understand both the fundamental mathematical operations.	<ul style="list-style-type: none"> • Collect some objects from the surrounding and take out from the collection certain number and finds out the number left. • Reciting rhymes 5 little ducks. • Collect balls of two different colours. Ask them to say how many are red and how many are not red. • Take domino card ask them to count the number of holes on the card. Hide one part of the holes of the same card. Now ask them how many holes are there in the hidden part. • Get kids up and moving with the human number line math game. • Play subtraction bowling. Set up ten bowling pins (or cups) and use a ball to knock some down. 	<ul style="list-style-type: none"> • Sticks, leaves, pebbles, seeds, marbles, flowers, pencils, etc. • Pictures of apples, pencils, trees, stars, etc. 	
November	7. Lina's Family 8 PERIODS	Measurement	<ul style="list-style-type: none"> • Learns the terms long/short, tall/short, thick/thin, heavy/light, and differentiate and identifies and represents them through pictures. • Understands the idea of length and distance. • Attempts to tell the length of the TV, table, book, mobile phone, length of the room with non-standard units such as fingers, hand span and foot-span. 	<ul style="list-style-type: none"> • Find objects longer than this pen and shorter than this pencil. • Measuring the length of table, pencil, board, book by hand- span and the length of the room by foot-span. • Ordering of objects of different length and weight. Ask them to find which is tall-short, heavy-light. • Measure the distance between two points in the park with foot-span or stride. 	<ul style="list-style-type: none"> • Objects in the surrounding, lemon, sticks, wooden beads, pencils, leaves etc. • Related pictures 	Worksheets: <ul style="list-style-type: none"> • Worksheet on measurement. • Circle the longer one and cross the shorter one. • Match the following.
November	8. Fun with Numbers 12 PERIODS	Numbers 21 to 99 (Numbers and operations on numbers)	<ul style="list-style-type: none"> • Reads and writes numbers and number names up to 99. • Compares the numbers up to 99. • Forward/backward counting. • Identifies the biggest, smallest. • Writes numbers: missing numbers, "just after", "just before", "in between." • Learns the place and place value of the digits. • Reads and writes numbers in forward and backward order. • Skip counting of numbers (2,3,5) 	<ul style="list-style-type: none"> • Flash cards, objects and pictures are used to count and compare 21-50. • Use abacus to say the numbers up to 50 with place values. • Write missing numbers in grid. • Using bundles of tens and ones find number up to 50. • Drill practice of forward and backward counting up to 50. • Make tens and ones with inter-lock cubes. 	<ul style="list-style-type: none"> • Loose sticks/ paper/ straw/ crazy balls and bundles of 10 sticks/ straws. • Beads, marbles, ice spoons, matchsticks, number cards. Dominoes. • Abacus • Some objects and pictures. • Inter-lock cubes. 	Worksheet on Count and write numbers of tens and ones. .Worksheet on skip counting of numbers
	9. Utsav 8 PERIODS	Patterns	<ul style="list-style-type: none"> • Identifies the pattern right from school to home. • Recognizes the pattern in pictures, shapes, numbers, alphabets, colours and growing and decreasing patterns. • Understands the basic rule of creating a pattern and can extend the sequence. • Creates patterns of their own. 	<ul style="list-style-type: none"> • Oral drilling of numbers up to 50 both forward and backward counting. • Clapping in pattern. • Making different patterns by using different shapes. • Using thumb impression making pattern. • Patterns using numbers. 	<ul style="list-style-type: none"> • Numbers patterns and letter patterns on chart paper. • Patterns in shapes, different figures or objects. 	Activities / Worksheets <ul style="list-style-type: none"> • Worksheet on patterns using numbers, alphabet and figures.

<p>December</p>	<p>10. How do I spend my day? 6 PERIODS</p>	<p>Time</p>	<ul style="list-style-type: none"> • Gets familiar with terms, morning, noon, evening and night. • Attempts to tell the activities of the day in sequence, vocabulary and real – life experiences. • Differentiates shorter and longer duration of different activities performed by his family members and others. • Learns the week days and months of the year, seasons. □ 	<ul style="list-style-type: none"> • Rhymes on daily routine. • Children narrate the sequence of events in their daily routine draw the events in their note book. • Counting duration using a stone pendulum. • To keep track of duration activities. E.g. count the number of times the pendulum swings till you tie your shoe lace, to draw a house etc. • Counting time taken to bring an object from one place to another. • Find the duration of the school time. 	<ul style="list-style-type: none"> • Pebbles, dummy clock, thread and the objects in the surroundings. 	<ul style="list-style-type: none"> • Worksheet on the topic finding day and night using pictures. <p>Activity: Sing the song, “What time is it”. During the song students are going to be human clock using their arms to show the time</p>
<p>January</p>	<p>11. How many times? 8 PERIODS</p>	<p>Multiplication (Repeated addition) (Numbers and operations on numbers)</p>	<ul style="list-style-type: none"> • Learns the place and place value of the digits. • Writes the numbers for the given collection (tens and ones) • Compares the numbers. • Identifies the biggest, smallest. • Expresses repeated addition as number of times. □ 	<ul style="list-style-type: none"> • Ask children to stand in groups of 2 , 3 etc • Making groups and set size then finding the product using bindis 	<ul style="list-style-type: none"> • bindis • pencils • crayons • ice cream sticks 	<p>Activities / Worksheets</p> <ul style="list-style-type: none"> • Worksheet on addition and subtraction of money. • Circle the coins and notes of different denominations to make the given amount.
	<p>12. How much can we spend? 10 PERIODS</p>	<p>Money (Mathematical Communication)</p>	<ul style="list-style-type: none"> • Demonstrates use of numbers in identifying money. • Appreciates and uses the money in day-to-day buying and selling situations. • Attempts to make use of small amounts of money by using 3-4 play notes of different denominations in different ways. • Describes ways to find balance amount of a given amount after the purchase of given item. • Estimates/approximates the money obtained in balance in such buying situations 	<ul style="list-style-type: none"> • Showing fake notes and coins of Indian denominations. • Tracing coins. • Role Play of shopping and conversation with the shopkeeper. • Read price tags to estimate the cost of items. • Bill making. • Memory game. • Picture story. 	<ul style="list-style-type: none"> • Fake coins and notes of different denomination. • Some objects with price tags. • Bills (old). • Old coins 	<p>Count the objects in the group and make the number(multiplication)</p>
<p>February</p>	<p>13. So Many Toys 8 PERIODS</p>	<p>Data handling</p>	<ul style="list-style-type: none"> • Collects and records information in his/her own way. • Gives their own views on their recorded information and discuss with others. • Solves problems in their real-life situations related to data handling. 	<ul style="list-style-type: none"> • Forming numbers and number names. • Compares given pictures and objects. • Narrates a story based on picture. • Make questions or word problems by using the word- how many? 	<ul style="list-style-type: none"> • Number Cards, picture • Match sticks, sticks, beads, picture cards. 	<p>Activities / Worksheets</p> <p>Worksheet on understanding the data.</p>