KENDRIYA VIDYALAYA SANGATHAN, VARANASI REGION

SPLIT UP OF SYLLABUS (2021-2022)

CLASS: IV   SUBJECT: Maths

- Total Number of Chapters: 14
- Number of Chapters after Reducing (70%): 10
- Number of Chapters Allotted Term wise: Term I: 06   Term II: 04

Sr. No.	Month	Term	Number of Working Days	Unit No./Chapter Number/Name of Chapter	Tentative Number of Hours Available	Tentative Number of Periods Required (30 Minutes/pd.)	Suggested Activities/Tools to be Used for Teaching	TLOs	Values to be Learnt
1	APRIL	TERM I	19 days	1.Building with Bricks	09 hours and 30 minutes	12 periods	**BUILDING WITH BRICKS** Identify the number of faces in different 2D,3D shapes. Collect cuboidal objects like bricks, walls, floors, Jharokas, Jaalies , etc. from surroundings.	**BUILDING WITH BRICKS** Identifies and draws different patterns of wall, brick, floor, Jaali, etc. Draws lines of symmetry in different patterns/shapes.	**BUILDING WITH BRICKS** Drawing information, gathering Drawing ability in geometry Creative thinking and estimation.

				2. Long and Short		07 periods	Find the length, breadth and height of a brick. Objects from classroom situations, use of flash cards, Abacus, coins, ganit-mala sticks. Net Resources for pictures of Historical monuments with arches, Jaalies. Cut outs of 2D shapes and models of 3D shapes should be shown to the students. **LONG AND SHORT** Estimate the length of various figures and making them larger or shorter than the given figure. Find the length of boundary of Maths textbook, desk, teacher's table, etc.	Knows the difference between 2D and 3D shapes. Understands Indian and International place value chart. Learn different properties of cuboid. Solves problems based on patterns/shapes. Writes Number names and numerals. **LONG AND SHORT** Knows various units of length or measurement. Converts higher units to lower units and vice versa. Estimates the length of objects and solve basic problems	Develops reasoning and imagination. **LONG AND SHORT** Develops practical skills & drawing skills. Ability of estimation thinking and reasoning. Develops mathematic attitude.

							Find the tallest/shortest member of their class, family. Guess the approximate height of prominent landmarks - like Qutub Minar, TV tower, School building, etc. Solve word problems related to length.	based on length measurement. Understands the relation between cm - metre - Km. Estimates and learns to compare height with the height of others. Organized games Objects from classroom situations like ribbons, pencil, etc. Appropriate visuals to explain the concept. Develops practical skills & drawing skills and ability of estimation thinking and reasoning. Knows to calculate the distance between their school & home.	

2	MAY		00	FUN DAY	Activities suggested as per KVS Headquarters.			
3	JUNE		08 days	2.Long and Short (Cont.)	4 hours	04 periods			
				3. A Trip to Bhopal		04 periods	**A TRIP TO BHOPAL** Number operations related to problems pertaining to a trip/educational excursion such as No. of students & seats in a bus, time management. Understand the distance, time, no of buses and the money spent. Learns to read the table showing tickets, trip, time, etc. and apply operations.	**A TRIP TO BHOPAL** Understands the properties of addition, subtraction, multiplication, division. Solves number puzzles. Identifies greatest and smallest number from the given numbers.	**A TRIP TO BHOPAL** Logical thinking. Ability, to calculate mentally. Estimation / reasoning.

							Activity what happened at what time during trip to Bhopal. Addition and subtraction, multiplication and division of 3 – 4 digits numbers. To make smallest and greatest number by the given numbers. Frame word problems using four basic operations.	Solves basic problems related to everyday life based on numbers.	
4	JULY		21 days	3.A Trip to Bhopal (Cont.) 4. Tick-Tick-Tick	10 hours 30 minutes	14 periods 07 periods		**TICK-TICK-TICK** Read a clock and tell the time both in 12 and 24-hour time. Show the time-3 hours later - 5hours earlier, etc similar drill.	**TICK-TICK-TICK** Reads calendar and clock in various formats. Writes time in 12 hours and 24 hours format.	**TICK-TICK-TICK** Understanding of clock functioning. Punctuality. Time

							Read railway/bus/timetable and ticket and calculate hours /minutes between two given dates.	Converts time from 12 hours to 24 hours and vice-versa. Solves problems related to time.	management. Accuracy.
				REVISION			List of activities done in AM, PM, 1 Minute, about an hour and less than one hour. Draw the hands on a clock to show the given time.		
PT I			First week of August. Syllabus covered up to 31 July is to be included.						
5	AUGUST		20 days	4. Tick-Tick-Tick (Cont.)	10 hours	08 periods			
				6. The Junk Seller		12 periods	**THE JUNK SELLER** To convert rupees (₹) into paisa.	**THE JUNK SELLER** Can purchase things from the market and	**THE JUNK SELLER** Value of money.

							Mock junk shop showing buying and selling, borrowing Of Junk Items. Make list of things sold in the junk market. Collect notes of different denominations and make combinations for a given amount. Mental arithmetic and word problems on addition, subtraction and multiplication of 2and 3digit numbers.	compare their price and make a bill. Understands the multiplication strategies by 10, 100, 1000. Understands lattice multiplication using expanded notation. Understands the concept of loan, profit -loss and applies concept in real life. Solves problems related to money transactions and multiplication.	Solving problems of day to day. Logical thinking.
6	SEPTEMBER		22 days	7. Jugs and Mugs	11 hours	12 days	**JUGS AND MUGS** Compare the volume of different things by putting them into jar filled with water. Observe the different capacities in ml and litres and list of 3-5 items and	**JUGS AND MUGS** Understands the concept of volume / capacity. Knows the units of capacity.	**JUGS AND MUGS** Estimation and testing practical skills. Recall and recollect.

					REVISION		10 days	guess how much water can jugs, mugs, bottles and glasses of different measures hold. Capacity of wrappers/labels like plastic bottle of water, cooking oil, tetra pack of milk, etc. Solve problems related to capacity mentally. Puzzles.	Estimates the volume of a container. Measures the capacity of a container. Solves problem related to capacity.	

PT II/TERM I/HY EXAM	First week of October. Entire syllabus of Term I covered up to 30 September is to be included.

7	OCTOBER	TERM II	13 days	9. Halves and Quarters	6 hours 30 minutes	13 periods	**HALVES AND QUARTERS** Divide the given into halves in different ways. Colour 1/2, 1/4, 1/3, 2/3. Paper folding activity showing halves and quarters and three fourths.	**HALVES AND QUARTERS** Understands the concept of half and quarter using chapatti, cake etc. Estimates fraction of a whole.	**HALVES AND QUARTERS** Sharing and caring. Analysing and interpreting the fractional number its

							Colour part/fraction of a collection, groups of halves or quarters in a given collection. Complete the picture by drawing the other half. Solve day to day life problems.	Understands fraction as division. Knows concept of equivalent fraction. Solves problem related to fraction.	representation in capacity /weight etc.
8	NOVEMBER		17 days	11. Tables and Shares	08 hours and 30 minutes	17 periods	**TABLES AND SHARES** Put in sequence and develop the multiplication fact e.g. desks in the classroom with different combination. Building of multiplication tables with the help of patterns. Jump equal steps in a number line and count the number of jumps taken. Skip counting using class room situation children make group of things and arrive at their own strategies of	**TABLES AND SHARES** Understands the properties of multiplication and division. Learn to multiply and divide and solve problems. Understands that division is a process of equal distribution or sharing. Solves problems involving divide, multiplication of a number (up to 3	**TABLES AND SHARES** Learns application of multiplication and division in solving various word problems in a given context.

							multiplication and division. Framing of questions by looking at pictures. Story problems.	digit) with a 2 or 3digit number. Reads and prepares bills, applies concept in real life. Building multiplication tables with the help of patterns. Learn to check division facts using multiplication facts. Frames word problems and solves daily life problems.	
9	DECEMBER		16 days	12. How Heavy? How Light?	08 hours	16 periods	**HOW HEAVY? HOW LIGHT?** Compare the items which are heavy/heavier/heaviest. Estimate weights and heights of familiar objects in class.	**HOW HEAVY? HOW LIGHT?** Converts different units of weight. Estimates heavy and light objects. Solves problems related to weight.	**HOW HEAVY? HOW LIGHT?** Interpretation and estimation of unit. Learns basic operation / computation for weight/distance. Measurement by

						Differentiate things bought in grams and kilograms. Understands how to read the postal rate.		using scale and other standard units.
	PT III		After the Winter Break. Syllabus covered up to the commencement of the Winter Break is to be included.					
10	JANUARY		18 days	13. Field and Fences	6 hours	12 periods	**FIELD AND FENCES** Measures the length and breadth of figures and things and finds their area and perimeter. Determines length in cm, metres, km of simple figures. Determines area/perimeter using squares, thread of simple geometrical, symmetrical and unsymmetrical shapes.	**FIELD AND FENCES** Calculates the total length of the boundary of regular and irregular shapes. Knows the concept of perimeter. Finds the number of squares inside a regular shape. Solves day to day life problems related to area and perimeter.	**FIELD AND FENCES** Understands the regular and irregular shapes, Symmetrical and unsymmetrical shapes. Able to measure and calculate perimeter using various methods.
				REVISION	3 hours	06 periods			

| 11 | FEBRUARY | | 20 days | 13.Field and Fences (Cont.) **REVISION** | 6 hours 4 hours | 12 periods 8 periods | Solves problems based on area and perimeter. Practise worksheets. | | |
| 12 | MARCH | | | | SESSION ENDING EXAMINATION | | | | |

❖ <u>NOTE</u>- **Following chapters are meant to be self-studied by the students.**

    No question will be asked from these chapters in the Examination.

CHAPTER-5 (The way the world looks)

CHAPTER-8(Cart and Wheels)

CHAPTER-10(Play with Patterns)

CHAPTER-14(Smart Charts)