

Month	SYLLABUS	Lesson	Concept/Key areas	Suggested Activities	Expected Learning Outcomes	TLM/Resources	Values/Skills	Period/hr
April	<ul style="list-style-type: none"> <li>• GEOMETRY Shapes and Spatial Understanding</li> <li>NUMBERS Numbers And Operations</li> </ul>	<ul style="list-style-type: none"> <li>• Building with bricks</li> </ul>	<p><b>Geometry</b></p> <ul style="list-style-type: none"> <li>• Uses Tangram to create shapes.</li> <li>• Makes 4 faced, 5 faced, 6faced from given nets especially designed for the same.</li> <li>• Reads and draws 3D objects.</li> <li>• Explores intuitively reflections through inkblots ,paper cutting, paper folding(symmetry)</li> </ul> <p><b>Number and Operations</b>-Up to One Lakh (Place value chart)</p>	<ul style="list-style-type: none"> <li>•Identify the number of faces in different 3D, 2D shapes.</li> <li>•Identify the faces of a brick and recognizes the shapes.</li> <li>•Collect cuboidal objects from surroundings.</li> <li>•Identify and observe different features like wall, floors, Jharokas, Jaalies etc.</li> <li>•Visit to a bricks kiln etc.</li> <li>•Observe and make arrangement of brick patterns on floor and walls.</li> <li>•Find the length, breadth and height of a brick</li> <li>•Observe arches at</li> </ul>	<ul style="list-style-type: none"> <li>• Knows the difference between 2D and 3D shapes like Square, rectangle, cube, cuboids.</li> <li>• Makes different wall and floor patterns, Jaalies and Jharokas</li> <li>• Draws line of symmetry in different patterns</li> <li>• Solves simple problems mentally</li> <li>• Understands Indian and International place value chart</li> <li>• Writes Number names and numerals.</li> </ul>	<ul style="list-style-type: none"> <li>• Objects from classroom situations,</li> <li>• flash cards of numbers. Abacus</li> <li>• .coins, ganit- mala sticks Net resources for picture of Historical monuments with arches ,jellies.</li> </ul>	<ul style="list-style-type: none"> <li>• Drawing information, gathering Drawing ability in geometry Creative thinking and estimation.</li> <li>• Develops reasoning and imagination.</li> </ul>	15

different places.

- Sequential arrangement of jumbled pictures of making of a brick.
- Number system through number cards – One lakh.
- Difference between cube and cuboid.
- Make models of a cube and cuboid.
- Integrated with EVS (arches of foot)

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Apr/May	<ul style="list-style-type: none"> <li><b>NUMBERS</b> : Number and operations</li> <li><b>MEASUREMENT</b></li> </ul>	Long & Short	<ul style="list-style-type: none"> <li>Understands and writes multiplication facts.</li> <li>Writes tables 10x10</li> <li>Applies the four operations to life situations. Appreciates role of place value in plus (+), Minus(-), multiplication( x) and percentage (%).</li> <li>Understands and relates meters with centimeters Convert meters into cms and vice versa.</li> <li>Solves problems involving length and distances.</li> <li>Estimates length of an object and distance between two given locations.</li> </ul>	<ul style="list-style-type: none"> <li>Estimate the length of various figures and making them larger or shorter than the given figure.</li> <li>Find the length of boundary of Math's text book, desk, teacher's table etc.</li> <li>Calculate the distance between school and home, market, school ground, park etc.</li> <li>Find the tallest/shortest member of their class, family.</li> <li>Guess the approx height of prominent landmarks - like Qutub Minar, TV tower, school building etc .</li> <li>Convert from lower to higher and vice versa (races).</li> <li>Solve word problems related to length.</li> </ul>	<ul style="list-style-type: none"> <li>Understands the relation between - cm - metre- Km</li> <li>Knows the various units of length</li> <li>Understands the various units of measurement. .Converts higher units to lower units and vice versa</li> <li>Estimates and learns to compares height with the height of others.</li> <li>Organized games</li> </ul>	<ul style="list-style-type: none"> <li>Objects from class room situations like ribbons,pencil etc</li> <li>Measuring tape ,wooden scale</li> <li>Appropriate visuals to explain the concept.</li> </ul>	<ul style="list-style-type: none"> <li>Develops practical skills &amp; drawing skills.</li> <li>Ability of estimation thinking and reasoning.</li> <li>Develops mathematic attitude.</li> </ul>	20

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- Estimates the length and makes them larger or shorter.
- Knows to calculate the distance between their school & home.

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-do-

Long &  
Short  
Contd

- Knows the relation between metre and kilometres
- Various units of length.
- Estimating and measurement of places like fields, park.

- Measuring of different objects like pencil. ribbon, etc. and making them short or long.

Jun/July	<p><b>NUMBER</b> Number and Number</p> <p>Operations</p> <p><b>MENTAL ARITHMETIC</b> Adds and subtracts multiples of 10 and 100, mentally.</p>	A Trip to Bhopal	<ul style="list-style-type: none"> <li>• Comparison of heights</li> <li>• Understand and write multiplication facts.</li> <li>• Write tables up to 10x10.</li> <li>• Multiply/Add/Subtract two three digit numbers.</li> <li>• Apply four operations to life situations.</li> <li>• Frames word problems.</li> <li>• Estimates sum differences and products of given numbers.</li> <li>• Mental arithmetic</li> </ul>	<ul style="list-style-type: none"> <li>• Number operations related to problems pertaining to a trip/educational excursion such as-. <ul style="list-style-type: none"> <li>• No of students, no of seats in a bus, time management.</li> <li>• Understand the distance time taken,, no of buses required and the amount and money spent.</li> <li>• Learns to read the table showing tickets, trip time etc and apply operations.</li> <li>• Activity what happened at what time during trip to Bhopal.</li> <li>• Addition and subtraction multiplication and division of 3 – 4 digits numbers.</li> <li>• To make smallest and greatest number by the given numbers</li> <li>• Frame word problems using four basic operations.</li> <li>• Practice on</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Underst ands the properti es of addition and subtract ion.</li> <li>• Solving number puzzles .Makes the greatest and smallest number from the given number s</li> <li>• Solves simple problem s related to time, money.</li> <li>• Compar es the number s. and</li> <li>• Knows how to find the</li> </ul>	<ul style="list-style-type: none"> <li>• Map of India, locality or district.</li> <li>• Abacus and flash cards of numbers.</li> </ul>	<ul style="list-style-type: none"> <li>• Logical thinking. Ability, to calculate mentally.</li> <li>• Estimation / reasoning.</li> </ul>	20
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				addition, more or less than, multiplication by 10.	difference between two digit and three digit numbers.			
Jun/July	<ul style="list-style-type: none"> <li><b>TIME</b></li> <li>12 hours clock time</li> <li>24 hours clock time</li> <li>Concept of am/pm</li> <li>Time table</li> <li>Calendar.</li> </ul>	Tick Tick Tick	<ul style="list-style-type: none"> <li>Computes the no. of weeks in a year.</li> <li>Correlates the no. of days in a year with the no. of days in each month.</li> <li>Justifies the reason for the need of a leap year.</li> <li>Reads the clock time to nearest hour and minutes.</li> <li>Expresses time using the terms a.m. and p.m.</li> <li>Estimates duration of familiar events.</li> <li>Find approx time elapsed by (to the nearest hour) forward counting.</li> <li>Computes the no. of days between two dates.</li> </ul>	<ul style="list-style-type: none"> <li>Read a clock and tell the time both in 12 hour and 24 hour time. <ul style="list-style-type: none"> <li>Show the time-3 hour's later-5hours earlier etc. similar drill.</li> </ul> </li> <li>Calculate hours /minutes between two given dates. <ul style="list-style-type: none"> <li>Convert 12 hour to 24 hour clock time and vice versa.</li> </ul> </li> <li>Read railway/bus/timetable and ticket. <ul style="list-style-type: none"> <li>List of activities done in <ol style="list-style-type: none"> <li>1 Minute</li> <li>Less than 1 hour</li> <li>About an hour</li> </ol> </li> <li>Draw the hands on a clock to</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Understands the divisions on the face of a clock.</li> <li>Understands the concept of 12 hour and 24 clocks. Converts 12 hour time to 24 hour clock time and vice versa</li> <li>Understands the conversion</li> </ul>	<ul style="list-style-type: none"> <li>Clock</li> <li>Old Calendars</li> <li>Used wrappers or boxes of food items and medicines</li> <li>A potted plant</li> <li>School diary.</li> <li>Newspaper.</li> </ul>	Understanding of clock – functioning. -Punctuality -Time management -Accuracy.	12

show the given time.

- Write various activities done in am/pm
- Find life span of different animals.[Integrated with E.V.S.]
- Growth of plant/life span.

on from hour-minute-second and vice versa.

- Learns to read a clock.
- Differentiates between am and pm
- Learns to read a calendar
- Understands the manufacturing and expiring date on eatables medicines etc
- Expresses daily routine on Time Line.
- Converts hours into minutes into seconds

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and vice versa  
 • Solves word problems

Aug

Contd.

- Use school diary to mark-
  - a) Daily activities in correct order on time line
  - b) Duration of autumn, summer break/Days/Dates of holidays/festivals.
- [Integrated with letter writing in Languages.]
- Collect time of sunrise/sunset from newspaper. Calculate day span.
- Show daily routine on time line 12 hr

5



				clock/24 hour clock.				
Aug	<b>GEOMETRY</b> : • Shapes and spatial understanding	The way the world looks	<ul style="list-style-type: none"> <li>• Understanding spatial distribution</li> </ul>	<ul style="list-style-type: none"> <li>• To know and draw top and side view of some items- spoon, car ,railway line etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Look at things from different views and distances , sides' angles.</li> </ul>	<ul style="list-style-type: none"> <li>• Objects from classroom.</li> <li>• Map</li> </ul>	-Develops creative thinking, --- Understanding of sides angle, distance in a diagram/figure.	10
		The ways the world looks	<ul style="list-style-type: none"> <li>• Understanding concepts of different views of objects from your surroundings.</li> <li>• Visualization of objects from different angles.</li> <li>• Directions</li> <li>• Makes the shapes of cubes and cuboids using nets.</li> <li>• Intuitive idea of a map.</li> </ul>	<ul style="list-style-type: none"> <li>• Observe a picture/or route map carefully and mark the directions with reference to ones position (left right).</li> <li>• Draw a map on the floor and ask children to stand on the map and locate different things around them in different directions</li> <li>• Make a cube with numbers on the</li> </ul>	<ul style="list-style-type: none"> <li>• Identifies top side front view of different objects.</li> <li>• Draw top side front view of different objects</li> <li>• Is able to read a map of school or</li> </ul>			

opposite faces which add up to 7(.Dice)

- Draw a picture of, pressure cookers; chair a bowl etc from the side top and front. Students may be asked to draw the pictures of their own choice.

city and write precise directions to reach different places?

- Understands the four directions and is able to locate the given area in the map.
- Understands the directions related to one's position

Month	SYLLABUS	Lesson	Concept/key areas	Suggested Activities	Expected Learning Outcomes	TLM/Resources	Value/Skills	Period/hr
Aug	Numbers-Number and Operations <ul style="list-style-type: none"> <li>• Money</li> <li>• Total costs.</li> </ul>	The Junk seller	Writes multiplication facts. <ul style="list-style-type: none"> <li>• Writes tables up to 10x10.</li> <li>• Multiplies two and three digit number using lattice algorithm and standard (column)algorithm</li> <li>• - Converts rupees to paisa and vice versa.</li> <li>• Adds and subtracts amounts using +and - with regrouping.</li> <li>• Uses operations to find totals, change, multiple costs and unit cost.</li> <li>• Estimates roughly the totals</li> <li>• Basic operation of numbers</li> <li>• Money</li> </ul>	<ul style="list-style-type: none"> <li>• To convert rupees into paisa.</li> <li>• Mock junk shop showing buying and selling. Of Junk Items. Make list of things sold in the junk market.</li> <li>• Mock bank showing lending and borrowing /buying and selling.</li> <li>• Collect notes of different denominations and make different combinations for a given amount.</li> <li>• Making a bill.</li> <li>• Word problems</li> </ul>	<ul style="list-style-type: none"> <li>• Can purchase things from the market and compare their price</li> <li>• Awareness about loan through discussion.</li> <li>• Understands the multiplication strategies by 10, 100, 1000.</li> <li>• Understands lattice multiplication using expanded notation.</li> <li>• Makes a bill</li> <li>• Understands the concept of loan, profit and loss.</li> <li>• Frames word problems.</li> <li>• Adds and subtracts /Multiplies and divides.</li> <li>• Solves problems related to money transactions</li> </ul>	<ul style="list-style-type: none"> <li>• Object from the class room.</li> <li>• Fake rupees and coins</li> </ul>	<ul style="list-style-type: none"> <li>-Value of money.</li> <li>-Solving problems of day to day.</li> <li>-Logical thinking</li> </ul>	11

			transaction	<ul style="list-style-type: none"> <li>• First guess the answer and then calculate.</li> <li>• Mental arithmetic. And Worksheets on addition subtraction and multiplication of 2 digit by 3 digit numbers and bills</li> </ul>				
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Month	SYLLABUS	Lesson	Concept/ Key areas	Suggested Activities	Expected Learning Outcomes	TLM/Resources	Values/Skills	Period/h
Sep	<b>MEASUREMENT</b> Volume	Jugs and Mugs	<ul style="list-style-type: none"> <li>• Understand and measures volume of a given liquid using containers marked with standard units.</li> <li>• Determine sums and differences of volumes.</li> <li>• Estimates</li> </ul>	<ul style="list-style-type: none"> <li>• Compare the volume of different things by putting them into jar filled with water.</li> <li>• Observe the different capacities in ml and litres</li> <li>• Guess how much water can jugs, mugs</li> </ul>	<ul style="list-style-type: none"> <li>• Understands which unit of volume to be used for smaller quantities and bigger quantities.</li> <li>• Makes litres in different ways. (Different combinations)</li> <li>• Solves</li> </ul>	<ul style="list-style-type: none"> <li>• Different types of containers from classroom, math lab, or chemistry lab of different capacities</li> <li>• Different type of containers available in the market for oil, milk,</li> </ul>	<ul style="list-style-type: none"> <li>• Estimation and testing practical skills</li> <li>• Recall and recollect.</li> </ul>	12+8

		<p>the volume of a liquid contained in a vessel and verifies by measuring</p> <ul style="list-style-type: none"> <li>• Understanding the units of volume</li> <li>• Measuring can bottle.</li> </ul>	<p>bottles and glasses of different measures hold.</p> <p>List 3 – 5 items which are measured in litres, ml.</p> <ul style="list-style-type: none"> <li>• Capacity of wrappers/labels like plastic bottle of water, cooking oil, tetra pack of milk etc.</li> <li>• Make measuring bottle using a bottle of known capacity.</li> </ul> <p>Practice, solve small problems related to capacity mentally</p> <p>Puzzles.</p>	<p>word problems related to volume</p> <ul style="list-style-type: none"> <li>• Knows which items are measured in liters and milliliters</li> <li>• Knows how to convert the smaller units into larger units and vice versa.</li> <li>• Makes own measuring bottle.</li> <li>• Adds and subtracts the given quantities of the liquid.</li> <li>• Solves problems</li> </ul> <p>Solves puzzles</p>	<p>soft drinks etc.</p>		
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Month	SYLLABUS	Lesson	Concept	Suggested Activities	Expected Learning Outcomes	Resources	Values/Skills	Period/hr
Oct	<b>GEOMETRY</b> Shape and spatial understanding	Carts and Wheels	<ul style="list-style-type: none"> <li>Draw a circle free hand, with different objects in the class; with compass. Identifies centre, radius and diameter</li> <li>Knowledge about round objects.</li> <li>Understanding the concept of drawing circles.</li> <li>Concludes the relationship between the length of the string and the size of the circle formed</li> </ul>	<ul style="list-style-type: none"> <li>Games with circles. (equal distribution)</li> <li>Observe and identify round and circular objects from the surroundings. Collect objects which are circular like bottle cap, bangles, rings etc top of a class, 25 p coin.</li> <li>Make circles using coins, bangles etc different sizes using free hand</li> <li>Find radius of different</li> </ul>	<ul style="list-style-type: none"> <li>Learns to draw circles of different sizes with the help of a string/rope and nail</li> <li>Finds centre of a circle</li> <li>Solves simple problems related to circle, radius and centre.</li> </ul>	<ul style="list-style-type: none"> <li>Net resources</li> <li>Round objects in the classroom</li> <li>Geometry box</li> </ul>	<ul style="list-style-type: none"> <li>Identification of various geometrical objects</li> <li>Drawing Skills Construction and comparison</li> </ul>	16

types of wheels..

- Name and identify geometrical instruments
- Find the centre by paper folding
- Find centre of a circle that cannot be cut or folded
- Make your spin top
- Using compass make designs
- Drill and practice exercises to find radius, diameter and drawing circles of known radius.
- Integrated with drawing and games.
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Month	SYLLABUS	Lesson	Concept/ Key Areas	Suggested Activities	Expected Learning Outcomes	TLM/Resources	Values/Skills	Period/hr
Nov	<b>NUMBERS</b> <ul style="list-style-type: none"> <li>Fractional numbers</li> <li>Measurement</li> </ul>	Halves and Quarters	<ul style="list-style-type: none"> <li>Identifies half one fourths of a whole</li> <li>Identifies the symbol <math>\frac{1}{2}, \frac{1}{4}, \frac{3}{4}</math>.</li> <li>Explain the meaning of <math>\frac{1}{2}, \frac{1}{4}</math>, and <math>\frac{3}{4}</math>.</li> <li>Appreciates equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math> and of <math>\frac{2}{2}, \frac{3}{3}, \frac{4}{4}</math>, and 1.</li> <li>full halves and quarters</li> <li>Relates meters into centimeters.</li> <li>Weights- relates 1 kg into Gms.</li> <li>Volume relates 1litre into milliliters.</li> <li>To show</li> </ul>	<ul style="list-style-type: none"> <li>Color <math>\frac{1}{2}, \frac{1}{4}, \frac{1}{3}, \frac{2}{3}</math>.</li> <li>Divide the given into halves in different ways</li> <li>Paper folding activity showing halves and quarters and three fourths.</li> <li>Colour part/fraction of a collection, groups of halves or quarters in a given collection.</li> <li>Complete the picture by drawing the other half.</li> <li>Estimate</li> </ul>	<ul style="list-style-type: none"> <li>Understands Part/fraction of a whole and of a collection.</li> <li>Understands the concept of halves, quarters (chappati cutting cake, apple role etc.</li> <li>Familiarises with the vocabulary related to fractions.</li> <li>Understands fraction as division.</li> <li>Can write fractions and understands the term equivalent fractions.</li> <li>Generates fractions</li> </ul>	Round objects in class.	Sharing and caring  Analyzing and interpreting the fractional number its representation in capacity /weight etc.	20



			<p>equivalence .</p>	<p>and market <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{3}</math>, <math>\frac{2}{3}</math>. in a string/water bottle.</p> <ul style="list-style-type: none"> <li>• Solve day to day life problems Using a price list. Note- The teacher can correlate the story- Greedy Kundu with “Muft hi Muft” in Hindi( Class 4)</li> </ul>	<p>equivalent to a given fraction.</p> <ul style="list-style-type: none"> <li>• Understands different type of fractions – Like /unlike fractions ,Unit fractions ,proper improper fractions etc</li> <li>• Finds the cost of given objects (1 kg, <math>\frac{1}{2}</math> kg, <math>\frac{3}{4}</math> kg) by mock shopping,</li> <li>• Solves different problems related</li> <li>• Solves different problems related to whole half and quarter</li> <li>• Integrated with languages and EV.S..</li> </ul>			
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Month	SYLLABUS	Lesson	Concept/Key area	Suggested Activities	Expected Learning Outcomes	TLM/Resources	Values/Skill	Period/h r
Nov	<b>PATTERNS</b> <ul style="list-style-type: none"> <li>Identifies patterns in square numbers and triangular numbers</li> <li>Identifies geometrical patterns based on symmetry</li> </ul>	Play with Patterns	Identifies patterns in surroundings. -Makes patterns and designs from straight lines and other geometrical shapes. -Makes border strip and tiling patterns. -Identifies patterns in multiplication and division, multiples of 9. <ul style="list-style-type: none"> <li>Casts out nines from a given number to check if it is a multiple of 9</li> <li>Multiplies and divides by 10's and 100's.</li> <li>Identifies geometrical patterns based on symmetry</li> </ul>	<ul style="list-style-type: none"> <li>Observe the pattern around them e.g. grill sari, bed sheet, floor etc. and recognize the basic unit/rule/sequence.</li> <li>Make patterns with numbers, alphabets &amp; pictures</li> <li>Complete magic squares and triangles</li> <li>Coding and decoding a secret message with a rule.</li> <li>Observe the tiling pattern in a floor and make floor patterns and wall patterns.</li> </ul>	<ul style="list-style-type: none"> <li>Observes and understands the patterns.</li> <li>Realizes the rule of creativity in a pattern.</li> <li>Learns to identify symmetrical and non-symmetrical shapes, letters alphabets and numbers.</li> <li>Generates patterns involving number operations.</li> <li>Computes the given patterns using addition subtraction multiplication division.</li> <li>Applies rule to Floor patterns ,coded messages ,puzzles and games.</li> </ul>	<ul style="list-style-type: none"> <li>Flash cards of number, alphabets.</li> <li>Samples of patterns</li> <li>Geometrical shapes</li> </ul>	Identification of symmetrical and non-symmetrical shapes. <ul style="list-style-type: none"> <li>Develops mastery over division and multiplication operations.</li> </ul>	7

Month	SYLLABUS	Lesson	Concept	Suggested Activities	Expected Learning Outcomes	TLM/Resources	Values/Skills	Period/hour
Dec	<b>NUMBERS AND OPERATIONS</b>	Tables and Shares	<ul style="list-style-type: none"> <li>Understands and writes multiplication facts.</li> <li>Writes tables up to 10x10.</li> <li>Divides a given number by another number in various ways.               <ul style="list-style-type: none"> <li>By dots</li> <li>By grouping</li> <li>By multiplication facts</li> </ul> </li> <li>By repeated subtraction.</li> <li>Applies four basic operations.</li> <li>Frames word problems</li> <li>Different ways of multiplication.</li> <li>Knowledge of terms used in multiplication and division.</li> </ul>	<ul style="list-style-type: none"> <li>Arrange things in sequence and develop the multiplication fact e.g. desks in the classroom with different combination</li> <li>Building of multiplication tables with the help of patterns.</li> <li>Jumping activity - Children jump equal steps in a number line and count the no of jumps taken.</li> <li>Skip counting</li> <li>Using class room situation children make</li> </ul>	<ul style="list-style-type: none"> <li>Understands the properties of multiplication.</li> <li>Learns to multiply and solve problems.</li> <li>Knows the properties of division.</li> <li>Divides a numeral by one digit numeral.</li> <li>Solves word problems involving division.</li> <li>Understands that multiplication is repeated addition and uses the</li> </ul>	Flash cards of numbers Multiplication strips. Puzzles related to division and multiplication.	Learns application of multiplication and division in solving various word problems/problems in a given context.	11

group of things and arrive at their own strategies of multiplication and/or division.

- Framing of questions by looking at pictures

- Story problems

- Worksheets on all four basic operations

symbol of multiplication.

- Understands that division is a process of equal distribution or sharing.

- Solves problems involving multiplication of a number (up to 3 digit ) with a 2 or 3 digit number.

- Divides a number (upto3 digit) with a 2 digit or 1 digit number with or without remainder.

- Building multiplication tables with the help of patterns

- Learns to check division fact using

multiplication facts.

- Frames word problems
- Solves daily life problems.

Month	SYLLABUS	Lesson	Concept/ Key Areas	Suggested Activities	Expected Learning Outcomes	Resources	Values/Skills	Period/hour
Jan	<b>MEASUREMENT</b> Weights	How Heavy How Light	<ul style="list-style-type: none"> <li>• Weighs objects using a balance and standard units.</li> <li>• Determines sums and differences of weights.</li> <li>• Estimates the weight of an object and verifies using a balance</li> </ul>	<ul style="list-style-type: none"> <li>• Compare the items which are heavy/heavier/heaviest.</li> <li>• Estimate weights of familiar objects in class.</li> <li>• Differentiate things bought in grams and kilograms.</li> <li>• Compare the weights and height</li> <li>• Understands how to read the postal rate</li> </ul>	<ul style="list-style-type: none"> <li>• Observes and understands the higher and lower units of measurement</li> <li>• Makes balance and finds weight.</li> </ul>	Weights Balance Measuring tapes Objects available in the classroom Postal stamps Objects available in the class	Interpretation and estimation of unit. Learns basic operation / computation for weight/distance. Measurement by using scale and other standard units.	17

Jan	<b>MEASUREMENT</b> Length	Field and fences	<ul style="list-style-type: none"> <li>• Understanding of concept of area and perimeter of simple geometrical figures.</li> <li>• Ability to compute area and perimeter of regular and irregular shapes.</li> <li>• Solving problems based on area and perimeter.</li> </ul>	<ul style="list-style-type: none"> <li>• Measures the length and breadth of given figures and things and finds their area and perimeter.</li> <li>• Determines length in cms, metres ,kms of simple figures.</li> <li>• Determines area/perimeter using squares ,thread of simple geometrical ,symmetrical and unsymmetrical shapes</li> <li>• Solves problems based on area and perimeter</li> </ul>	<ul style="list-style-type: none"> <li>• Understands the meaning of Fields (area) and fences.(perimeter)</li> <li>• Understands that the boundary (perimeter) is the sum of the sides of the given figure.</li> <li>• Finds length of the boundary of things in class e.g.. Maths book, table desk using a scale.</li> <li>• Calculates the total length of boundary of regular shapes like rectangle,</li> </ul>	Newspaper to collect data  Graph  Worksheets	Understands the regular and irregular shapes. Symmetrical and unsymmetrical shapes. Able to measure and calculate perimeter using various method.	10
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square triangle etc.

- Calculates the total length of the boundary of irregular shapes on a squared ruled paper using a thread.

- Compares using threads, graph paper, counting squares. The areas and perimeter..

- Finds the number of squares inside a regular shape using 1cm sq paper.

- Solves day to day life problems related to area and

Feb	<b>DATA HANDLING</b>	Smart Charts	<ul style="list-style-type: none"> <li>• Collection of data and representation through pictographs</li> <li>• Conclusion from data</li> </ul>	<ul style="list-style-type: none"> <li>• Collect data and represent in the form of bar graphs. <ul style="list-style-type: none"> <li>- Draw inferences by discussing with the teacher</li> </ul> </li> <li>• Represent data graphically (bar graph, pie-charts)</li> <li>• Collect/interpret data from newspaper and represent it in tabular form.</li> <li>• Solve word problems</li> </ul>	<p>perimeter.</p> <ul style="list-style-type: none"> <li>• Collects and records data.</li> <li>• Represents the data in tabular form or bar graph.</li> <li>• Represents fractions through chapatti chart or pie chart.</li> <li>• Draw conclusions and inferences from the data.</li> <li>• Solve simple problems using charts/data</li> </ul>		<p>Recognition Observation Classification</p> <p>Ability to read graphical representation and draw conclusion. Learns pictorial depiction of facts.</p>	12+12
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