

BHARATIYA VIDYA BHAVAN, KOCHI**YEAR PLAN FOR THE ACADEMIC YEAR 2023-24**

CLASS	IV		
SUBJECT	MATHEMATICS		
MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	CHAPTER 1 BUILDING WITH BRICKS CHAPTER 2 LONG AND SHORT	Patterns Recalling 2D and 3D shapes Shape of a brick Mirror Half (Symmetry) Numbers upto 10,000 Units of length and their Conversion. Addition and Subtraction of length	Patterns using bricks Length, Breadth and Height ; Faces, Edges and Vertices Mirror Half in brick pattern Numbers upto 10,000 : Place value chart, Place & Place value, Number names, numerals, Expanded form, Missing numbers (Before, after & between), Ordering of numbers (Comparison, Ascending & Descending), Gives an idea of 1 lakh as One hundred thousand. Need for a standard unit Units to measure length – mm, cm, m, km. Relation between the units. Halves of 1km, 1m and 1cm. Converting cm to mm and vice versa. Converting m to cm and vice versa Converting km to m and vice versa Addition & subtraction of lengths. Application of addition and subtraction of length.

<p style="text-align: center;">JULY</p>	<p style="text-align: center;">CHAPTER 2 Contd.</p> <p style="text-align: center;">Chapter 3 A TRIP TO BHOPAL</p>	<p style="text-align: center;">Building Numbers Addition and Subtraction Multiplication and Division</p>	<p>Building 3-digit & 4-digit numbers using the given digits Addition and Subtraction upto 10,000 Simple real-life situations /problems including time, money, length and capacity by using the four operations.</p>
<p>MID TERM EVALUATION 1 –CHAPTERS 1, 2 and 3 (AUGUST 7 - 14)</p>			
<p style="text-align: center;">AUGUST</p>	<p style="text-align: center;">CHAPTER 8 CARTS AND WHEELS</p> <p style="text-align: center;">CHAPTER 5 THE WAY THE WORLD LOOKS</p>	<p style="text-align: center;">Introduction to Circles Centre, Radius and Diameter</p> <p style="text-align: center;">Different views of an object.</p>	<p>Listing round objects. Tracing and drawing circle. Centre, radius and diameter of a circle. Measuring radius of a circle. Relation between radius and diameter. Drawing a perfect circle using compasses.</p> <p>Viewing objects: top view, side view, Viewing objects from different angles, Viewing objects from different distances.</p>

<p style="text-align: center;">SEPTEMBER</p>	<p style="text-align: center;">CHAPTER 10 PLAY WITH PATTERNS</p> <p style="text-align: center;">CHAPTER 6 THE JUNK SELLER</p>	<p style="text-align: center;">Patterns</p> <p style="text-align: center;">Multiplication and its Properties Applications of Multiplication.</p>	<p>Patterns with numbers, letters and pictures Magic patterns Number towers Patterns with addition Coding and decoding secret messages Floor patterns-tiling</p> <p>Properties of multiplication. Multiplication of 2 digit and 3 digit numbers by one digit number (vertical multiplication) Multiplication of 2 digit numbers by 2 digit numbers (vertical multiplication) Multiplication by 10, 100 & 1000. Real life problems based on money (page 67 & 68)</p>
<p>END TERM EVALUATION 1 – CHAPTERS 6, 8 AND 10 (OCTOBER 3 - 16)</p>			
<p style="text-align: center;">OCTOBER</p>	<p style="text-align: center;">CHAPTER 11 TABLES AND SHARES</p>	<p style="text-align: center;">Division and its Properties Division by Repeated Subtraction Long Division</p>	<p>Introducing division from multiplication facts Properties of division. Division of 2 digit and 3 digit numbers by 1 digit number (long division) Division with large numbers using repeated subtraction.</p>

<p>NOVEMBER</p>	<p>CHAPTER 11 Contd.</p> <p>CHAPTER 9 HALVES AND QUARTERS</p>	<p>Halves,Quarters and Three fourths Equivalent fractions</p>	<p>Halves,quarters and three fourths. Fractions using symbols (1/4,1/2,3/4), Equivalent fractions (pictorial representation only , 2/4 =1/2). 1/2 ,1/4, 3/4 of numbers (numbers less than 20) Quarter ,half and three fourths of a metre, litre and kilogram. Real life problems.</p>
<p>DECEMBER</p>	<p>CHAPTER 7 JUGS AND MUGS</p> <p>CHAPTER 14 SMART CHARTS</p>	<p>Units of capacity and their Conversion.</p> <p>Collection and Intepretation of data Drawing Circle Graph</p>	<p>Capacity, units of capacity Relates mL and L (simple conversions only) Different ways to make 1L Operations on capacity (word problems based on addition, subtraction, multiplication and division)</p> <p>Collection of data and completing the table Interpretation of data from pictograph, bar graph and circle graph. Drawing chapati chart.</p>
<p>MID TERM EVALUATION 2 –CHAPTERS 7, 9, 11and 14 (JANUARY 8 - 15)</p>			
<p>JANUARY</p>	<p>CHAPTER 13 FIELDS AND FENCES</p>	<p>Length of boundary</p>	<p>Lengthh of boundary of regular and irregular shapes.</p>

<p style="text-align: center;">FEBRUARY</p>	<p style="text-align: center;">CHAPTER 4 TICK-TICK-TICK</p> <p style="text-align: center;">CHAPTER 12 HOW HEAVY? HOW LIGHT?</p>	<p style="text-align: center;">12 hour and 24 hour clock Calendar</p> <p style="text-align: center;">Units of weight and their Conversion.</p>	<p>Reading time from a clock(with exact minute). Drawing hands of a clock. Duration of time taken. 12 hour clock (am/pm) 24 hour clock Conversion from 12 hour clock to 24 hour clock Calendar, Writing dates Leap Year, Timeline Duration between two days. Manufacturing date, Expiry Date, Word problems on duration.</p> <p>Units of weight. Conversion of kg to g (simple conversions). Comparison of weights. Guess the correct unit of weight. Addition and subtraction of weights</p>
<p style="text-align: center;">March</p>	<p style="text-align: center;">Revision</p>		
END TERM EVALUATION 2 – CHAPTERS 4, 12 AND 13 (MARCH 11 - 22)			
Prepared by			
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