

# BHARATIYA VIDYA BHAVAN , KOCHI KENDRA

## YEAR PLAN FOR THE ACADEMIC YEAR 2024-25

### CLASS V MATHEMATICS

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	1.THE FISH TALE	Large numbers, Basic operations .	<ul style="list-style-type: none"> <li>* In the Indian system of numeration place values are marked as ones, tens, hundreds, thousands, ten thousand, lakhs, ten lakhs, crores, etc.</li> <li>* The place value of a digit in a number defines where it is placed or positioned</li> <li>* The face value of a digit in a number defines the value of the number itself.</li> <li>* Expanded form is breaking up a big number into parts according to the place value.</li> <li>* Standard form is the usual way of writing numbers.</li> <li>* Comparison</li> <li>* Addition , Subtraction ,Simple multiplication and division.</li> <li>* Applications of four operations .</li> </ul>
	2.SHAPES AND ANGLES	Shapes , Angles	<ul style="list-style-type: none"> <li>* Open and closed shapes.</li> <li>* Types of polygons, Shapes can differ even when the number of sides is the same.</li> <li>* How angles determine the shape of a polygon.</li> <li>* Types of angles like acute angle, obtuse angle and right angle.</li> <li>* Differentiate types of angles formed in nature, with the hands of a clock and in English alphabets.</li> <li>* Introduction of the 'D' (Protractor).</li> </ul>
JULY	2.SHAPES AND ANGLES (Contd.)		
	3.HOW MANY SQUARES?	Area Perimeter	<ul style="list-style-type: none"> <li>* Introduces the concept of area and perimeter</li> <li>* Area and perimeter of regular and irregular shapes using square grid.</li> <li>* Comparison of area and perimeter in sq cm using square grid.</li> </ul>

	9.BOXES AND SKETCHES	Nets of 3D shapes	<ul style="list-style-type: none"> <li>* Nets of Cube and cuboid</li> <li>* Nets of different 3D shapes(Refer pg.no.128)</li> <li>* 2 D and 3D Drawings of Cubes and Cuboids</li> </ul>
OCTOBER	9.BOXES AND SKETCHES (Contd.)		
<b>Term End Evaluation- I Chapter 4 , 5, 6 &amp; 9</b>			
NOVEMBER	7. CAN YOU SEE THE PATTERN?	Turns and patterns ,Magic squares , Magic Hexagons , Number patterns	<ul style="list-style-type: none"> <li>* Patterns</li> <li>* Rule of pattern</li> <li>* Clockwise and anti-clockwise patterns</li> <li>* Magic squares</li> <li>* Magic hexagons</li> <li>* Number patterns</li> <li>* Palindrome</li> <li>* Sum of n odd numbers</li> </ul>
	11. AREA AND ITS BOUNDARY	Area and perimeter of rectangle and square, Different Units of area	<ul style="list-style-type: none"> <li>* Area of Rectangle and Square</li> <li>* Perimeter of Rectangle and Square</li> <li>* Find the missing dimension of a rectangle/square when area /perimeter is given.</li> <li>* Units of area – square cm, square m and square km</li> <li>* Find different perimeters for a given area and vice versa</li> </ul>
DECEMBER	12. SMART CHARTS	Tally marks, Chapati chart, Bar chart, Familiarity, Growth chart	<ul style="list-style-type: none"> <li>* Collection of data</li> <li>* Arranging (recording) the data</li> <li>* Interpretation of chapati chart</li> </ul>

	14. HOW BIG? HOW HEAVY?	Volume , volume of cube and cuboids, conversion of units, Simple addition, subtraction, multiplication and division of weights	<ul style="list-style-type: none"> <li>* Volume</li> <li>* Estimation of volume using measuring bottle</li> <li>* Find the volume by arranging unit cubes and count them</li> <li>* Volume of cube and cuboid of given dimensions</li> <li>* Relates Kg and gram</li> <li>* Conversion of gram to Kg &amp; g and vice versa</li> <li>* Comparing weights of different objects</li> <li>* Simple addition, subtraction, multiplication and division of weights</li> </ul>
<b>FEBRUARY</b>	14. HOW BIG? HOW HEAVY?(Contd.)		
	10. TENTHS AND HUNDREDTHS	Decimals, Tenths, Hundredths, Conversion of fractions to decimals and vice versa, Equivalent decimals	<ul style="list-style-type: none"> <li>* Decimals through fractions with denominator 10 and 100</li> <li>* Relates mm and cm using decimals</li> <li>* Conversion of decimals to fractions and vice versa</li> <li>* Relates cm and m using decimals</li> <li>* Equivalent decimals</li> </ul>
	8. MAPPING YOUR WAY	Reading the map (Scale, direction) , Interpretation of map.	<ul style="list-style-type: none"> <li>* Reads different maps .</li> <li>* Direction</li> <li>* Need for a scale</li> <li>* The concept of enlarging or reducing the area in the given map</li> </ul>
<b>MARCH</b>	REVISION		

Final Examination  
Chapter 8,10 ,13 &14