

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

**CLASS V
MATHEMATICS**

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	1.THE FISH TALE	Large numbers,Basic operations .	<ul style="list-style-type: none"> * In the Indian system of numeration place values are marked as ones, tens, hundreds, thousands, ten thousands, lakhs, ten lakhs, crores, etc.. * The place value of a digit in a number defines where it is placed or positioned * The face value of a digit in a number defines the value of the number itself. * Expanded form is breaking up a big number into parts according to the place value. * Standard form is the usual way of writing numbers. *Comparison *Addition , Subtraction ,Simple multiplication and division. * Applications of four operations .
	2.SHAPES AND ANGLES	Shapes , Angles	<ul style="list-style-type: none"> * Open and closed shapes. * Types of polygons, Shapes can differ even when the number of sides is the same. * How angles determine the shape of a polygon. * Types of angles like acute angle, obtuse angle and right angle. * Differentiate types of angles formed in nature, with the hands of a clock and in English alphabets. * Introduction of the 'D' (Protractor).
JULY	2.SHAPES AND ANGLES(CONTD)		
	3.HOW MANY SQUARES?	Area Perimeter	<ul style="list-style-type: none"> * Introduces the concept of area and perimeter * Area and perimeter of regular and irregular shapes using square grid * Comparison of area and perimeter in sq cm using square grid * Finding different shapes for a given area.
	4.PARTS AND WHOLES	Fraction,Part of a collection, Equivalent fraction , Part to the whole	<ul style="list-style-type: none"> *Fractional part of collection. *Comparing fraction (unit fractions and fractions with same denominator) *Equivalent fractions *Visualise part to the whole using various models
MID TERM EVALUATION I Chapters 1 , 2 & 3			
AUGUST	4.PARTS AND WHOLES (CONTD)		
	5.DOES IT LOOK THE SAME?	Symmetry, Rotational symmetry,Line of symmetry	<ul style="list-style-type: none"> • Symmetric and Asymmetric shapes • Line of symmetry in 2D shapes • $\frac{1}{2}$ turn, $\frac{1}{4}$ turn, $\frac{1}{3}$ turn and $\frac{1}{6}$ turn
	5.DOES IT LOOK THE SAME? (CONTD)		

SEPTEMBER	6.BE MY MULTIPLE, I'LL BE YOUR FACTOR.	Multiples, Factors	<ul style="list-style-type: none"> * Multiples * Common multiples * Factors (direct application of multiplication tables) * Common factors * Factor tree
Term End Evaluation I Chapter 4 , 5, & 6			
OCTOBER	7.CAN YOU SEE THE PATTERN?	Turns and patterns ,Magic squares , Magic Hexagons , Number patterns	<ul style="list-style-type: none"> *Patterns *Rule of pattern *Clockwise and anti-clockwise patterns *Magic squares *Magic hexagons * Number patterns * Palindrome * Sum of n odd numbers
	11.AREA AND ITS BOUNDARY	Area and perimeter of rectangle and square, Different Units of area	<ul style="list-style-type: none"> * Area of Rectangle and Square * Perimeter of Rectangle and Square * Find the missing dimension of a rectangle/square when area /perimeter is given. *Units of area – square cm, square m and square km *Find different perimeters for a given area and vice versa
NOVEMBER	11.AREA AND ITS BOUNDARY(CONTD)		
	12.SMART CHARTS	Tally marks, Chapati chart, Bar chart, Family tree, Growth chart	<ul style="list-style-type: none"> *Collection of data *Arranging (recording) the data *Interpretation of chapati chart *Interpretation of bar chart *Interpretation of growth chart
DECEMBER	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"> *Volume *Estimation of volume using measuring bottle *Find the volume by arranging unit cubes and count them *Volume of cube and cuboid of given dimensions *Relates Kg and gram *Conversion of gram to Kg & g and vice versa *Comparing weights of different objects *Simple addition, subtraction, multiplication and division of weights

	9.BOXES AND SKETCHES	Nets of 3D shapes	<ul style="list-style-type: none"> *Nets of Cube and cuboid * Nets of different 3D shapes(Refer pg.no.128) *2D and 3D Drawings of Cubes and Cuboids
Mid Term Evaluation II Chapters 7 , 11 & 12			
JANUARY	13. WAYS TO MULTIPLY AND DIVIDE	Multiplication , Division, Checking division. Application of Multiplication and division	<ul style="list-style-type: none"> *Multiplication of 2 digit numbers by a 2-digit number. *Multiplication of 3 digit numbers by a 2-digit number *Multiplication of 3 digit numbers by a 3-digit number *Word problems on multiplication *Division *Division of 4 digit numbers by a 1 digit number *Division of 3 digit numbers by a 2 digit number *Division of 4 digit numbers by a 2 digit number *Word problems on division *Checking Division
FEBRUARY	13. WAYS TO MULTIPLY AND DIVIDE(CONTD)		
	10.TENTHS AND HUNDREDTHS	Decimals, Tenths, Hundredths, Conversion of fractions to decimals and vice versa, Equivalent decimals	<ul style="list-style-type: none"> *Decimals through fractions with denominator 10 and 100 *Relates mm and cm using decimals *Conversion of decimals to fractions and vice versa *Relates cm and m using decimals *Equivalent decimals
	8.MAPPING YOUR WAY	Reading the map (Scale, direction) , Interpretation of map.	<ul style="list-style-type: none"> *Reads different maps . *Direction *Need for a scale *The concept of enlarging or reducing the area in the given map
MARCH	REVISION		
Final Examination Chapter 9, 10 , 13 & 14			

