

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"> * In the Indian system of numeration place values are marked as ones, tens, hundreds, thousands, ten thousand, 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 a collection. * Comparing fraction (unit fractions and fractions with same denominator) * Equivalent fractions * Visualize 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
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

	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) * 2 D and 3D Drawings of Cubes and Cuboids
OCTOBER	9.BOXES AND SKETCHES (Contd.)		
Term End Evaluation- I Chapter 4 , 5, 6 & 9			
NOVEMBER	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
DECEMBER	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
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

	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
FEBRUARY	14. HOW BIG? HOW HEAVY?(Contd.)		
	10. TENTHS AND HUNDRETHS	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 8,10 ,13 &14**

Bhavans Vidya Mandir , Eroor	Subhajasree, Jisha Pradosh
Bhavans Vidya Mandir , Elamakara	Deepa Das, Siji M Nair
Bhavans Vidya Mandir, Girinagar	Deepa R
Bhavans Adarsha Vidyalaya, Kakkanad	Meera R
Bhavans Munshi Vidyashram, Thiruvankulam	Bindu B Nair
Bhavans NewsPrint Vidyalaya, Velloor	Rajesh M N
Bhavans Varuna Vidyalaya, Thrikkakkara	Madhusudanan K A