ARMY PUBLIC SCHOOL, BANGALORE
SPLIT UP SYLLABUS 2024-25

CLASS - VI
SUBJECT- MATHEMATICS

SL. NO.	MONTH & WORKING DAYS	CONTENT	No. of Periods	LEARNING OUTCOMES	ACTIVITIES	STATUS OF COMPLETION	REMARKS
1.	APRIL, 13 DAYS	KNOWING OUR NUMBERS	12	● Find the place value of the digit in any number in the Indian Number System and International Number System to, expand given number to find place value of a given digit, Comparing numbers. ● Making smaller/ greater numbers from given digits, arrange numbers in ascending and descending order. ● Using places of digits and commas to read large numbers easily, using large numbers in applications.	Discussion on how large numbers are used in real life. Practice on how to pronounce. Quiz activities on Indian and International system of numeration.		

2. 3.	JUNE, 15 DAYS	WHOLE NUMBERS PLAYING WITH NUMBERS	6 10	• Understanding the whole numbers by the concept of the predecessor of 1. • Draw number line to represent whole numbers, recognizes successor/ predecessor of a given number. Meaning of factors and multiples and its properties			

3.	JULY, 25 DAYS	PLAYING WITH NUMBERS JULY PT-1	14	• To find factors, find numbers which exactly divide the given number, find multiples of given numbers. • To find common factors and common multiples, listing down the factors and multiples of given numbers. • To find Prime and Composite numbers Using factors of a given number. • To find factors use divisibility rules of various numbers. • To find HCF, list down common factors of the given numbers. • To find LCM, list down common multiples of the given numbers. • Solving real life problems using concepts of LCM and HCF.	To find prime numbers from 1 to 100 by **Sieve of Eratosthenes** To find the LCM of the given numbers by using number grid		

	4	BASIC GEOMETRICAL IDEAS	10	● To discuss the concept of a point, a line segment, a line, Ray, Parallel lines, intersecting lines using examples. ● To discuss different types of curves ● To draw a rough sketch of polygons in order to describe its element. (Sides, Vertices and Diagonals) ● To discuss the concept of angle and its elements and give examples in order to name an angle in the given figure. ● To discuss the concept of Triangle, Quadrilaterals, Circle and its elements. To identify the parts of a circle	Geometrical representation of lines.		
5.	AUG, 23 DAYS	UNDERSTANDING ELEMENTARY SHAPES	18	● To compare the given line segments by measuring their length. ● To classify angles based on the amount of rotation by examining rotation. ● To classify angles as acute, obtuse and reflex according to their measure. ● To discuss the concept of Perpendicular lines and perpendicular bisectors using examples. ● To classify the types of triangles on the basis sides and angles.	To classify triangles on the basis of sides and angles from a group of triangles. Clock making activity to learn different types of angles		

6.		INTEGERS HALF YEARLY EXAM	5	● To classify the types of Quadrilaterals based on their properties. ● To examine the given figures in order to identify polygons based on its sides. ● To discuss the concept of three-dimensional shapes. ● To understand positive and negative numbers and zero using the concept of successor/ predecessor. ● To represent integers on the number line and to determine order of integers and compare them.			
	SEPT, 21 DAYS	INTEGERS (HY)	6	To perform arithmetic operations on integers by representing them on the number line and using rules of integers operation to find the integers.	Addition and subtraction of integers with the help of coloured button		
7.	OCT, 15 DAYS	FRACTIONS	22	● To discuss the concept of fraction and to identify numerator and denominator by showing them on the number line. ● To understand the types of fractions. (Proper, Improper, mixed, like, unlike and equivalent fraction). ● To compare like/unlike fractions ● Solve like and unlike fraction (addition/subtraction).	Forming proper fractions ,Improper fractions and mixed fractions with the help of paper cutting and pasting.		

8.	NOV, 21 DAYS	DECIMALS	18	● To discuss the concept of decimal in order to know the meaning and relevance of dot point. ● Determine the place of the digits of a decimal number in order to write it in words. ● Determine the place value of decimal numbers up to tenth and hundred in order to write the number in expanded form. ● Represent/Convert the money, length and weight into smaller units in order to represent it into decimal form. ● Add and subtract the whole and parts of decimal numbers in order to find their sum and difference.	To represent decimals numbers 0.25, 0.5 etc. on a 10x10 grid by shading.		
9.		DATA HANDLING (PT2)	9	● Observe different tables in order to gather the information recorded in the table. ● Organise raw data into a table using tally marks in order to organize the given data. ● Observe pictographs and find meaningful inferences. ● Draw a pictograph in order to represent the given information using appropriate symbols.			

10.	DEC, 18 DAYS	MENSURATION	24	• Give example(s) in order to define the perimeter of closed figures, Deduce and apply the formula to determine the perimeter. (Rectangle, Square and Regular polygon) • Count the squares in order to estimate the area of the given closed curve in the squares grid sheet. Deduce and apply the formula in order to determine the area of a rectangle and square.	Finding the area of an irregular figure by counting squares.		
11.	JAN, 23 DAYS	ALGEBRA	12	• Describe algebraic expressions in order to distinguish them from arithmetic expressions. • Use variables with different operations in order to generalise a given situation. • Examine patterns in order to identify relationships in patterns. • Use variables with different operations in order to form an algebraic expression.	Relation between number of matchsticks and number of alphabet pattern		
12.		RATIO AND PROPORTION		• Compare two quantities in order to find their ratio. (same unit) • Multiply/divide numerator and denominator by the same number in order to find an equivalent ratio. • Compare ratios in order to determine whether they are in proportion.	To study the concept of ratio by cutting and pasting.		

			18	• Solve the problems with the help of Unitary method in order to compute the value of one article, given the value of many.			
.	FEB, 24 DAYS	REVISION					
	MARCH, 21 DAYS	ANNUAL EXAM					

BOOKS: NCERT MATH TEXTBOOK

PRINCIPAL'S SIGNATURE