

KENDRIYA VIDYALAYA , CLRI ,CHENNAI

SUBJECT : MATHS

CLASS V

Month	No of working days/ No of Periods	Topic	Competency	Concept
APRIL	(17 DAYS) 20 Periods	THE FISH TALE	<ul style="list-style-type: none"> ✓ Knowledge and Concept (10 pd) ✓ Ability in Computation(4pd) ✓ Problem Solving Ability(6pd) 	<ul style="list-style-type: none"> ➤ Shapes Large Numbers (Up to one crore) ➤ Number name and writing numeral ➤ Place and Place value ➤ Expanded form and standard form ➤ Comparison of numbers ➤ Ascending/Descending order ➤ Formation of greatest and smallest 3,4 &5 digit numbers ➤ Word Problems on Basic operations in speed, distance , time, measurement-weight etc. ➤ Simple operations involving Loan, interest and saving.
MAY	1 ½ DAYS	SHAPES AND ANGLES	<ul style="list-style-type: none"> ✓ Knowledge and Concepts (4Pd) ✓ Ability in computation (5pd) ✓ Problem solving ability(3pd) 	<ul style="list-style-type: none"> ➤ A ray, line and line segment ➤ Formation of Angle ➤ Plane figures ➤ Different types of angles ➤ Number of angles in the given figure ➤ Find the measure of angles using protractor. ➤ Calculate the angle. ➤ Construct angles using protractor
JUNE	7 DAYS 7 PERIODS			
JULY	23 DAYS (25 periods) (10 periods)	HOW MANY SQUARES?	<ul style="list-style-type: none"> ✓ Knowledge and Concept(5pd) ✓ Ability in computation(3pd) ✓ Problem solving ability(2 pd) 	<ul style="list-style-type: none"> ➤ Understanding concept of area and perimeter. ➤ Finding area and perimeter by counting the squares. ➤ The units of area and perimeter. ➤ Calculating the area of regular and irregular figures. ➤ Comparison of perimeter and area. ➤ Solves problem related to area and perimeter.

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JULY	23 DAYS (25 periods)	PARTS AND WHOLES	<ul style="list-style-type: none"> ✓ Knowledge and concept(1pd) ✓ Ability in computation(2pd) ✓ Problem solving ability (2pd) 	<ul style="list-style-type: none"> ➤ Symmetry and mirror images. ➤ Geometrical patterns ➤ Symmetrical and non symmetrical shapes.
	(15 periods)			<ul style="list-style-type: none"> ➤ Draws line of symmetry ➤ Breaks the symmetry and recreates the symmetry in the same figure. ➤ Visualizes one-fourth turn, half turn, one-third turn and one-sixth turn.
AUGUST	21 DAYS/ 24PERIODS 5 PERIODS	DOES IT LOOK THE SAME?	<ul style="list-style-type: none"> ✓ Knowledge and concepts (4 pd) ✓ Ability in Computation (6 pd) ✓ Problem solving ability (2 pd) 	<ul style="list-style-type: none"> ➤ Understands the meaning of “Multiple and Factor”. ➤ Recognizing common multiple and common factors. ➤ Knowledge about Odd and Even numbers, Prime and Composite numbers and prime factorization. ➤ Finds LCM and HCF. ➤ Prime factorization ➤ Solving problems on HCF and LCM.
	21 DAYS/24PERIODS 10 PERIODS	BE MY MULTIPLE AND I ‘LL BE YOUR FACTOR	<ul style="list-style-type: none"> ✓ Knowledge and Concept (3 pd) ✓ Ability in computation (2 pd) ✓ Problem solving ability(2pd) 	<ul style="list-style-type: none"> ➤ Understanding the pattern and the rule to be followed with designs and numbers. ➤ Creates patterns of figures and numbers. ➤ Identifies the rule. ➤ Solves Magic squares. ➤ Learns calendar tricks. ➤ Finds answers in both clockwise and anti clock wise directions for rotational symmetric figures.
	21 DAYS/24PERIODS 7 periods	CAN YOU SEE THE PATTERN?	<ul style="list-style-type: none"> ✓ Knowledge and Concept (6 pd) ✓ Problem solving ability(4pd) 	<ul style="list-style-type: none"> ➤ Understanding of hours, minutes and seconds ➤ Understanding of day, week, month and year ➤ Knowledge about use of clock ➤ Knowledge about use of calendar ➤ Understanding of patterns in a calendar.

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SEPTEMBER	10 DAYS 12 PERIODS	CAN YOU SEE THE PATTERN? (Contd) REVISION AND SA1		
OCTOBER	14 days/15 periods 8 periods	MAPPING YOUR WAY BOXES AND SKETCHES	<ul style="list-style-type: none"> ✓ Knowledge and Concept (4 pd) ✓ Ability in computation(4pd) 	<ul style="list-style-type: none"> ➤ Understands 2 dimensional and 3 dimensional shapes. ➤ Visualizes a 3-D shape in different views and represents it in 2-d shape. ➤ Makes the shapes of cubes, cuboids, cylinders and cones using nets designed. ➤ Draws a layout for the given deep drawing. ➤ Ability to differentiate between deep drawing and layout plans.
NOVEMBER	17 days/ 20 periods 20 periods	TENTHS AND HUNDREDTHS	<ul style="list-style-type: none"> ✓ Ability in computation(10pd) ✓ Problem solving ability(10 pd) 	<ul style="list-style-type: none"> ➤ Basic operations of decimals. (Addition/ Subtraction/ Multiplication/ division) ➤ Recognizes various units of mass, length and capacity. ➤ To represent metric measures as decimals and vice-versa. ➤ Conversion of higher units to lower and vice-versa.
DECEMBER	17 days/ 18 periods	AREA AND ITS BOUNDARY	<ul style="list-style-type: none"> ✓ Knowledge and concept (6 pd) ✓ Ability in computation (5 pd) ✓ Problem solving ability(7pd) 	<ul style="list-style-type: none"> ➤ Recalls the concept of area and perimeter. ➤ Understands the units of area and perimeter. ➤ Finds the area and perimeter using formula deduced. ➤ Ability to compute area and perimeter of regular and irregular figures. ➤ Understands that things with same area

				<p>can have different perimeters.</p> <ul style="list-style-type: none"> ➤ Calculates the dimensions of a figure when its area or perimeter is given.
JANUARY	18 days/ 20periods 5 periods	SMART CHARTS	<ul style="list-style-type: none"> ✓ Knowledge and concept (3 pd) ✓ Ability in computation (5 pd) ✓ Problem solving ability (2 pd) 	<ul style="list-style-type: none"> ➤ Understands the graphical representation of data(bar graph, pie chart, pictograph) ➤ Ability to represent the collected data using tally marks and represent the same in bar graph/pie chart. ➤ Ability to interpret and analyze the data.
	18 days/ 20periods 15 periods	WAYS TO MULTIPLY AND DIVIDE.	<ul style="list-style-type: none"> ✓ Knowledge and Concept (4 pd) ✓ Ability in computation(5pd) ✓ Problem solving ability(6 pd) 	<ul style="list-style-type: none"> ➤ Recalls multiplication and understands different ways of multiplication. ➤ Able to divide 4 digit/5 digit by 1 digit,2 digit and 3 digit. ➤ Able to verify the division ➤ Solves verbal problems related to life situation.
FEBRUARY	19 days/20 periods 15periods(remaining periods to be utilized for revision)	HOW BIG? HOW HEAVY?PAISE	<ul style="list-style-type: none"> ✓ Knowledge and concept (6 pd) ✓ Ability in computation (4pd) ✓ Problem solving ability (8 pd) 	<ul style="list-style-type: none"> ➤ Understands the concept of Volume and Units of Volume. ➤ Finds Volume by counting cubes. ➤ Uses formula to find the volume of cube and cuboid. ➤ Recalls the unit of mass and learns to convert one unit into the other.
MARCH		REVISION SA 2		