

ARMY PUBLIC SCHOOL, MUMBAI (2018-2019)

STANDARD CURRICULUM

CLASS : IV

SUB: MATHEMATICS

<u>S No.</u>	<u>Month</u>	<u>Lesson</u>	<u>Activities</u>	<u>Values/Skill</u>	<u>Core Value</u>
	APRIL - MAY	Number and Number names Roman Numerals	*Draw place value chart of Indian and International system. * Using circular bindis or stickers Represent the numbers on an abacus and also write the number name *Prepare a Chart of Roman numerals	*Decision making *Discipline *Reasoning *Confidence Effective communication skills	➤ Knowledge
	JUNE	Addition	*Frame own word problems on given day to day situations. *Prepare a chart on properties of addition.	*Computation *Problem solving *Reasoning *Confidence	➤ Environmental Awareness
	JULY	Subtraction Multiplication	*Quiz on addition and subtraction *Frame their own word problems *Prepare a chart on multiplication tables from 1 to 12 *Make a picture model to solve a difficult problem	*Logical thinking *Problem Solving Creative thinking *Decision making *Creative thinking *Logical thinking Creative Thinking	➤ Positive Attitude

	AUGUST	Division Factors and Multiples	<ul style="list-style-type: none"> * Division by short method and division with remainder using bundle of cards *Table of products and quotients is given, find the numbers and write them. *Preparing Factor trees in different manner. *Complete the factor tree *Make The Sieve of Eratosthenes *Make Basket of factors 	<ul style="list-style-type: none"> *Critical thinking * Problem solving *Reasoning *Discipline Team Work *Innovative mind set *Curiosity *Confidence Team Work 	➤ National Pride
	SEPTEMBER	Fractions	<ul style="list-style-type: none"> *Cut out eight equal strips of length 24cm each from a chart paper. Use a scale to mark strips into 2, 3, 4, 8,12 and 16 equal parts. Arrange the strips one below the other. These strips can be used to compare fractions. *Play fractions games online at http://www.sheppardsoftware.com/math.htm#fractions 	<ul style="list-style-type: none"> *Environment awareness *Sense of symmetry *Innovative mind set *Reasoning Perserverance 	Time Management
	October	Money Measurement of weight	Collecting of grocery bills and sticking in the notebook	<ul style="list-style-type: none"> Creativity *Innovative thinking *Critical thinking *Decision making 	➤ Respecting Differences
	NOVEMBER	Measurement of capacity And length	<ul style="list-style-type: none"> *Compare the actual and estimated length of things like pencil, blackboard, table, desk, math book etc *Model making: Make a measuring jar with an empty plastic bottle, 100ml measure and a permanent marker pen. 	<ul style="list-style-type: none"> *Creativity *Innovative thinking *Critical thinking *Decision making 	➤ Health and Wellness
	DECEMBER	Time Patterns	<ul style="list-style-type: none"> *. *Make a model of clock *Make a schedule of the entire day activities according to ante meridian (a.m.) and post meridian (p.m.) *Find the arrival and departure time of trains from railway tickets. 	<ul style="list-style-type: none"> *Critical thinking *Innovative mindset *Self awareness Co-operation 	Camaderie

			<ul style="list-style-type: none"> *Time duration of films, journeys etc *Make patterns 		
	JANUARY	Geometry	<ul style="list-style-type: none"> *Learners will make different angles and measure it *Look around and tell the shapes of the objects. *Cut out a circle and find the diameter and radius 	<ul style="list-style-type: none"> *Reasoning/logical thinking *Global outlook *Self work *Self discipline Patriotism and Nationalism 	Self Direction
	FEBRUARY	<p>Handling Data</p> <p>Handling Data</p>	<ul style="list-style-type: none"> *Make a pictograph of the different models of car that ply on the road. *Make a bar graph of the children who had participated in the annual day function from class 1 to class 5 *Make a pictograph of the different models of car that ply on the road. 	<ul style="list-style-type: none"> *Confidence *Creativity Creative thinking *Decision making Confidence *Creativity Creative thinking Love and respect 	Right Conduct