

# ARMY PUBLIC SCHOOL, MUMBAI (2018-2019)

## STANDARD CURRICULUM

### CLASS I

### SUBJECT: MATHEMATICS

<u>S.N</u> <u>o</u>	<u>Month</u>	<u>Chapter</u>	<u>Topic</u>	<u>Activities</u>	<u>Values/Skill</u>	<u>Core value</u>
1	<b>April</b>	<b><u>Ch. 1 -9</u></b>	* On the top	* Children will go outside the class and perform the activity . Eg – on the slides	*Sorting	*knowledge
Ch – 1 Bigger –Smaller		* In the bottom	- Go on top of the roof - Come down from stairs	*Relating		
Ch – 2 Top and Bottom		* In and Out		*Analyzing		
Ch – 3 On – Under		* Smaller – bigger	*Count the number of objects and write.	* recognition		
Ch – 4 Inside – Outside		* Above Below	* Each child will be given flashcard and they will have to choose the correct size , big , small etc	* Logical thinking		
Ch – 5 Above – Below		*Matching as many	* Fill in the missing numbers.	* Understanding		
Ch – 6 Right – left		* More – less	*Circle the biggest number.			
Ch – 7 Counting Objects in a collection		* Number counting 1-50	* Children will go of the class and they will count the number of things they see above the roof level.			
Ch – 8 Recognition of numbers(1-9)		* Number Names 1-20	*Tick the small number.			
Ch – 9 Number and Number names	*Big and small numbers.	*Crocodile sums.				
	<b>May</b>	<b><u>Ch. 10-12</u></b>	*Number counting 51-100	*Number will be called out and it has to be spelled.	*Logical thinking	*Environmental
	<b>June</b>	Ch – 10 writing numbers in order	*Number names 11-20	* Students will stand in a line and observe who is standing after and before	*Confidence	Awareness
		Numbers from	* Backward counting.		*Curiosity	

		Fifty – one to One Hundred  Ch – 11 after before  Ch – 12 Between	20-1	them.	*Perseverance	
	<b>July</b>  <b>August</b>	<b><u>Ch.13-14</u></b>  *Numbers from 100 to 200.  *Ascending & Descending order  *Addition  * Problems on addition	*Number counting  *Number names 21-30  *Ascending order *Descending Order  *Addition * Addition on number line  *Addition of single digit number  *Word Problem  *Multiplication Table 2 & 3	*Children will be arranging boxes according to numbers from 1- 10 and than 10-1  *Students are shown glue sticks in two sets. * They are asked to count in each set [15 minutes]. 3) They are then asked how many are there together.4) They count them together this time and give the final answer [15 minutes].This is done with few more examples [10 minutes].  *Things from the classroom like chalks, pencils, erasers etc will be used to show addition.  *Add and tick the correct answer * Add and match the correct answer *Repeated addition is multiplication and based on this table chart will be made with the help of bindis.	*Creative thinking  *Computation  *Reasoning  *Decision making  *Team work  *Perseverance *Logical thinking *Confidence  *Togetherness  *Analytical skill	*Positive attitude       *National pride  *Scientific temperament
	<b>September</b>	<b><u>Ch 15-25</u></b>  *Subtraction  *Number names	* subtraction on number line  *Subtraction of single digit number  *Word problem  *Multiplication table of 4	*Students will count numbers backward from 100 to 1.This is repeated at least 3-4 times ( <b>10mins</b> ).  * hidden Numbers activity  *Teacher explains subtraction in a story form. Also, teacher calls few students and asks them to stand in a line. Students count the number of	*Perseverance  *Team spirit  *Positive outlook  *Confidence	*Time-Management

				<p>students standing. Later some students are asked to go and sit in their place. Now, students are asked to count the remaining students. Similarly more examples are shown using the objects in class</p> <p>*Things from their surrounding will be used to show subtraction</p> <p>*Subtraction on the number line</p> <p>*Frame your own word problems (group activity) Puzzle activity on number names</p>		
<b>October</b>	<p><b><u>Ch 26 – 38</u></b></p> <p>*Number Names</p> <p>* Addition continued</p> <p>* Subtraction Continued</p>	<p>* Greater than – Less than</p> <p>* Smallest or Greatest Number</p> <p>*Number Names</p> <p>*Hidden Numbers</p> <p>* Ascending and Descending order</p> <p>* Before and after</p> <p>* Expanded form</p> <p>* Addition Stories</p> <p>* Kids Problem</p> <p>*Subtracion stories</p>	<p>* Activity worksheet</p> <p>* students will fill missing letters to complete number names</p> <p>* Students will join the balloons with correct numbers</p> <p>* students will add the numbers to decode the answer</p> <p>*Repeated addition using beads.</p>	<p>*Positive attitude</p> <p>*Creative thinking</p> <p>*Effective communication</p> <p>*Curiosity</p>	<p>*Respecting Differences</p>	
<b>November</b>	<p><b><u>Ch.39 – 46</u></b></p> <p>*Measurement</p>	<p>*Tallest – Shortest</p> <p>*Longest – Shortest</p> <p>*Thickest-Thinnest</p> <p>*Nearest-Farthest</p> <p>*Widest-Narrowest</p> <p>*Estimaing and Measuring lengths</p> <p>*Measurement of length</p> <p>Heaviest-Lightest</p>	<p>*Draw and colour the pictures of long, short, big, small, thick thin, etc</p> <p>*Students will use nonstandard units of length like pencils, hand span, chalks etc to measure their book, desk, and table and compare it with their classmates</p>	<p>*Time intelligence</p> <p>*Creative Thinking</p> <p>*Confidence</p> <p>*Discipline</p> <p>*Perseverance</p>	<p>*Health &amp; Wellness</p>	

	<p><b>December</b></p>	<p><b><u>CH – 47-49</u></b></p> <ul style="list-style-type: none"> <li>*Time</li> <li>* Days of the Week</li> <li>* Data Handling</li> </ul>	<ul style="list-style-type: none"> <li>* Time – Morning , afternoon , evening and night</li> <li>* Things we do in a week</li> <li>* our favourite pets</li> </ul>	<ul style="list-style-type: none"> <li>*Make a chart showing the time of your activities for a whole day.</li> <li>*Number the events</li> <li>*Make a model of a clock*</li> <li>*Fruit chart Colour the various fruits with different colors</li> <li>*Picture graph</li> <li>* fill in the placeholders</li> <li>* Activity worksheet</li> </ul>	<ul style="list-style-type: none"> <li>*Creativity</li> <li>*Curiosity</li> <li>*Problem Solving</li> <li>*Perseverance</li> <li>*Cooperation</li> </ul>	<ul style="list-style-type: none"> <li>*Camaraderie</li> </ul>
	<p><b>January</b></p>	<p><b><u>Ch.50-60</u></b></p> <ul style="list-style-type: none"> <li>* Solids Around us</li> <li>* Shapes</li> <li>* Multiplication</li> <li>* Tables 2-5</li> <li>* Money</li> <li>* Magic Squares</li> </ul>	<ul style="list-style-type: none"> <li>* Sorting of solids</li> <li>* Sliding – Rolling</li> <li>* 2 – D shapes</li> <li>* Colorings of figures</li> <li>* Patterns in shapes</li> <li>* Pattern in numbers</li> <li>* Multiplication table of 2,3,4 and 5</li> <li>* Mental problems</li> <li>* Multiplication stories</li> <li>* our Coins</li> <li>* Our currency notes</li> </ul>	<ul style="list-style-type: none"> <li>*Fruit chart Colour the various fruits with different colors</li> <li>* Join similar shapes by arrows</li> <li>*Cut and paste different shapes.</li> <li>*Make pictures using shapes</li> <li>*Repeated addition using beads.</li> <li>*Frame your own word problems (group activity)</li> <li>*Stick money of different denomination (duplicate)*</li> <li>Activity worksheet</li> </ul>	<ul style="list-style-type: none"> <li>*Creative thinking</li> <li>*Critical thinking</li> <li>*Reasoning</li> <li>*Perseverance</li> </ul>	<ul style="list-style-type: none"> <li>*Self Direction</li> </ul>