

# ARMY PUBLIC SCHOOL, MUMBAI (2019-2020)

## STANDARD CURRICULUM

CLASS - I

SUBJECT – MATHEMATICS

| <u>EXAM</u> | <u>MONTHS</u> | <u>CONTENT</u>   | <u>METHODOLOGY</u>  | <u>CORE VALUE</u>          | <u>LEARNING OUTCOMES</u>   |
|-------------|---------------|--|---|----------------------------|--|
|             | APR           | (1-6) bigger-smaller, top-bottom, on-under, inside-outside, above-below, right-left<br>Counting 1-50 (8,9,11,12,19)<br>recognition of numbers (1-20)<br>Number and number names (1-9)<br>After- before-between, numbers(11-20) | <ul style="list-style-type: none"><li>Using flash cards for recognition of numbers and their names.</li><li>Playing a game using concepts of after, before and between.</li><li>Using videos for recognition of numbers and their names</li></ul> | Self awareness             | <ul style="list-style-type: none"><li>Children will be able to identify the position of an object.</li><li>Will be able to count numbers</li><li>Will be able to spell the numbers.</li><li>Will be able to arrange the numbers in the right order</li></ul> |
| EV-1        | JUNE          | Recapitulation of previous work (7-10) counting objects in a collection, writing numbers in order.<br>Table of 2   | <ul style="list-style-type: none"><li>Using flash cards for recognition of numbers and their names.</li></ul>   | Team work                  | <ul style="list-style-type: none"><li>Children will be able to do counting and arrange numbers in order.</li></ul>   |
|             | JULY          | (13,14,15,16,17,18) addition, subtraction, word problems<br>addition, subtraction<br>Table of 3 and dodging table<br>the number zero, the number 10  | <ul style="list-style-type: none"><li>Using the number of children in all 4 houses for addition and subtraction.</li></ul>  | Environmental awareness    | <ul style="list-style-type: none"><li>Children will be able to add, subtract and tell table of 3</li></ul>   |
|             | AUGUST        | (39-46) tallest-shortest, longest-shortest, thickest – thinnest, nearest-farthest, widest-narrowest, estimating and measuring lengths, measures of length, heaviest-lightest<br>revision ev-1                                  | <ul style="list-style-type: none"><li>Measuring different plane objects using hand span</li><li>Demonstration of the various concepts through classroom examples.</li></ul>   | Patriotism and nationalism | <ul style="list-style-type: none"><li>Children will be able to measure using their fingers and feet.</li><li>Will understand the concept of heavy, light, short, tall etc.</li></ul>   |
| EV-2        | SEPTEMBER     | (50-54) solids around us, sliding rolling, 2-d shapes, patterns in shapes, patterns in numbers   | <ul style="list-style-type: none"><li>Demonstration of various 2D shapes through pictures and videos.</li></ul>   | Discipline and diligence   | <ul style="list-style-type: none"><li>Children will be able to identify the various shapes and the solids as well.</li></ul>   |
|             | OCTOBER       | (22-27) numbers(21-30),(31-40), (41,50), greater than, less than, smallest and greatest  | <ul style="list-style-type: none"><li>Demonstration of greater and smaller numbers through flash cards.</li></ul>   | Diversity and togetherness | <ul style="list-style-type: none"><li>Will be able to arrange the numbers as per the order and compare greater and</li></ul>   |

|      |          |  |   |                           |   |
|------|----------|--|---|---------------------------|---|
|      |          | number   | <ul style="list-style-type: none"> <li>• Activity on smaller number and greater number based on a verbal quiz.</li> </ul>   |                           | smaller number.   |
|      | NOVEMBER | (28, 29) numbers (51-60), numbers (61-70), table of 4, dodging table of 2, 3, 4. revision ev-2                   | <ul style="list-style-type: none"> <li>• Activity based on repetitive addition (using beans)</li> </ul>   | Gender sensitivity        | <ul style="list-style-type: none"> <li>• Will be able to do counting and say tables of 2,3,4</li> </ul>   |
|      | DECEMBER | (30-38) (47-49) numbers (71-80), (81-90), (91-100) hidden number, ascending or descending order, expanded form.  | <ul style="list-style-type: none"> <li>• Demonstration through objects available in the classroom arranging them in ascending and descending order.</li> </ul>                      | Perseverance              | <ul style="list-style-type: none"> <li>• Will be able to arrange the numbers from small to big or vice versa.</li> </ul>  |
| EV-3 | JANUARY  | Days of the week, data handling. (55-57) multiplication (horizontal and vertical) multiplication table. (2 to 5) | <ul style="list-style-type: none"> <li>• Demonstration of multiplication as repeated addition.</li> <li>• Data handling worksheets practice.</li> <li>• Tables of 2 to 5</li> </ul> | Effective communication   | <ul style="list-style-type: none"> <li>• Will be able to tell the days of the week and arrange them in the right order.</li> <li>• Will be able to comprehend the data in a given picture.</li> <li>• Will be able to do multiplication.</li> </ul> |
|      | FEBRUARY | Revision ev-3  |   | Efficient time management |   |
|      | MARCH    | <b>EVALUATION – III</b>  |   |                           |   |