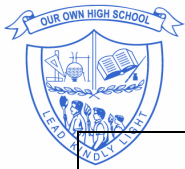




KG2 CURRICULUM – NUMERACY

NUMERACY: is all about students exploring numbers through hands-on activities which enable them to understand quantities and operations through counting games, sorting, grouping, 1:1 correspondence, estimating, sequencing, measuring, comparing, capacity, problem solving, patterns, shapes 2D & 3D, time, adding & subtracting/sum and difference, number lines, puzzles, challenges with shapes

	KG2	Learning Outcome
Numbers	<p>Students will be able to</p> <ul style="list-style-type: none">★ Recognize random numbers, quantify and count up to 100 in sequence★ Recognize some numerals of personal significance.★ Identify and understand the concept of long/short, far/near, thick/thin, heavy/light, more /less.★ Count numbers backwards in sequence★ Count in sequence and identify the number before, after and between★ Skip count numbers by 2's (from any random number - till 50), 5's and 10's (till 100)★ Compare numbers and identify the	<p>Students will</p> <ul style="list-style-type: none">★ Recognize, represent the number value and count in sequence - numbers from 1 to 100★ Be able to compare objects using relative terms like long/short, far/near, thick/thin, heavy/light, more/less.★ Use ordinal numbers to define position of up to 10 objects in a sequence.★ Skip numbers by 2's, 5's and 10's and understand when it is appropriate to skip count.★ Be able to use the terms 'same as', 'more' or 'less' to identify smaller and greater numerals and use appropriate symbols for the same.



smallest and biggest.

- ★ Uses appropriate language and symbols to compare two sets of objects / 2 numbers.
- ★ Spell the number names
- ★ Represent numbers in sets of Tens and Ones.(number value)
- ★ Represent the place value of numbers
- ★ Understand the place value of 2-digit numbers.
- ★ Identify positions of objects using ordinal numbers
- ★ Find the total number of items in 2 groups by counting all of them.
- ★ Determine the number that is one more than/two more than the given number.
- ★ Find the difference of two numbers (take away)
- ★ Find the number that is one less than/two less than the given number.
- ★ Begin to use the vocabulary involved in adding and subtracting in practical activities and discussion.
- ★ Identify own mathematical problems based on own interests and fascinations.

- ★ Spell the number names 'one to fifty', sixty, seventy, eighty, ninety and hundred.
- ★ Identify the place value of a given 2-digit number
- ★ Use place value to represent numbers. (abacus)
- ★ Count and determine the number that is one more or one less than a given number.
- ★ Use quantities and objects to add and subtract single digit numbers and count on or back to find the answer.
- ★ Create addition and subtraction sums through random selection of numbers. (1 digit)
- ★ Read and solve simple word problems



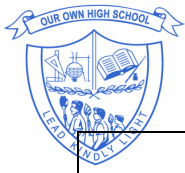
Shape, space and measure

Students will be able to

- ★ Begin to use mathematical names for 'solid' 3D shapes and 'flat' 2D shapes and mathematical terms to describe shapes.
- ★ Select a particular named shape.
- ★ Identify various secondary colours and associate them with objects around.
- ★ Identify patterns in a sequence.
- ★ Use concrete objects to measure length/height (non-standard measurement)
- ★ Order 2 or 3 items by length or height.
- ★ Use familiar objects and common shapes to create and recreate patterns and build models.
- ★ Use everyday language related to time.
- ★ Name the days of the week and months of the year and use it in day to day life.
- ★ Relate to calendar.
- ★ Begin to use everyday language related to money.
- ★ Understand the real-life applications of money through entrepreneur corner.

Students will

- ★ Use everyday language to talk about size, weight, capacity, position, distance, time and money.
- ★ Learn to compare quantities and objects to solve problems.
- ★ Measure length /height using concrete objects
- ★ Recognize, create and describe patterns.
- ★ Explore characteristics of everyday objects, colours and shapes and use mathematical language to describe them.
- ★ Identify patterns in a sequence and reconstruct/ sequence simple patterns using shapes, colours, numbers and letters.



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| | <ul style="list-style-type: none">★ Order and sequences familiar events.★ Begin to read time (O'clock) | |
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