

KG1 Math Learning Outcomes

Key Learning Outcomes	Curriculum level
Numbers	
Domain: Counting and Cardinality	
Count to tell the number of objects	
L1 Knows how to define what a number represent.	
L2 Can count object and match to the numeral name verbally	
L3 know how to show how much a number is (bigger/smaller)	
L4 Can count things one at a time and in the right order	
L5 Can state the last number named in a count as the total number of object	
L6 Knows the arrangement of a set doesn't affect the count (straight, line, or mixed up)	
L7 Knows more than larger, greater than	
L8 Can say how many there are in a group when one more is added without recounting	
L9 Can count objects to 20 in various groups	
L10 Can read and write numbers from 0-20	
L11 Can read and write cardinal & ordinal numbers 0 -10	
L12 Can count to determine number of objects in a set	
Compare Numbers	
L13 knows the meaning of the vocabulary, greater than, less than, equal to, matching and counting.	
L14 Count forward beginning from a given number within the known sequence (instead of begin at 1)	
L15 knows how to match object of one set to an object in another set.	
L16 Can compare the number of object in two groups with up to 10 by using the vocabulary (more, less, greater than, less than, equal to.)	
L17 Knows given any number what value is one number larger.	
L18 Can compare two numerals between 1 and 10 using the vocabulary greater than, less than, equal to	
L19 Can use more, less, greater than, less than, equal to, in real life giving the reasons.	
L20 Knows the number count in order	
L21 Can count to 100 by 1's and 10's	
L22 Can count forward from a given number	
L23 Can read, write numerals 0-20 counting the group of objects	
L24 Can write number words 0-10 representing the numeral	
L25 Can write number words and numerals to represent quantities in real life situations	
Domain: Operations and Algebraic Thinking	
Understand addition as putting together and adding to, and understand subtraction	
L26 Find a number that makes 10 forms any number. 1-10 using objects and drawing.	
L27 Can break apart numbers to 10 using object & drawings.	
L28 Knows the meanings of math symbols, plus sign, minus sign and equal sign	
L29 Can show addition with objects, my fingers, mental images, drawings, sounds, by acting out situations, verbal.	
L30 Can show subtraction with objects, my fingers, mental images, drawings, sounds, by acting out situations, verbal.	
L31 Can add numbers that add up to 5 using efficient strategies	
L32 Can subtract numbers with in 5 using efficient strategies	
L33 Can, given a set of objects or pictures from 11-19, create a set of 10 ones and some more ones and write the corresponding numeral (compose)	
L34 Can, given a numeral from 11-19, use objects or draw a picture to show a set of 10 ones and some more ones (decompose)	
Problem Solving :	L
L35 Can model addition word problems using objects, drawings and equations with unknown numbers in different positions	
L36 Can solve addition and subtraction word problems using objects, drawings, and equations	
Data Handling	
Domain: Measurement and Data	
Understand Chance	

L 1 Uses informal language of chance (e.g.; will, will not , might , might not) in everyday circumstances	
L 2 can explain that the outcome of a chance event is uncertain. (e.g.; when tossup the dice, it is difficult to predict the outcome of the dice).	
L 3 Can identify possible outcome of familiar event in the lives. (e.g.; I will eat my lunch today and often school I might have an ice-cream).	
Collect and process data	
L 4 Can pose questions to find out about someone, objects or pictures. (e.g. Model asking questions such as “what is your favorite color?, what is your favorite fruit?, what did you have for breakfast?”	
L 5 Can collect data by counting things or observing	
L 6 Use variety of ways to record data (draws, write numerals, one-to-one correspondence.	
L 7 Know that objects are alike and different with attributes	
L 8 Can sort & classify everyday objects by different attributes such as size, shape, color.	
Represent, summarize and interpret data	
L 9 Represents data in different ways (eg., numbers, lists, pictographs, pictures)	
L 10 Displays data in a variety of formats using real objects or pictures (drawings, organized lists)	
L 11 Reads, interprets and describes (fewer, greater than, less than.) simple data collection displays (the data shows five people like oranges & eight like apples. So there are more apple boxes colored.)	
Patterns and Functions	
Domain: Number and Operations	
Base Ten	
Expressing generality	
L 1 Identify and continue patterns.	
L 2 Describes simple patterns	
L 3 Represents simple repeating patterns using numbers	
L 4 Extends and creates simple patterns.	
Measurement	
Domain: Measurement & Data	
Cluster: Describe and Compare measurable attributes	
L 1 Knows what long, short, heavy and tight mean.	
L 2 Can, given object, describe its measurable attributes (length, higher, weight, capacity.)	
L 3 Can determine and compare two real objects with attributes. (Longer, shorter, heavier, empty, full, hotter, colder.	
L 4 Can use non-standard units to measure length, mass & capacity. (Paperclips, cubes, blocks, cups, cans.)	
Problem Solving :	
L 5 Can use non-standard units to measure length, mass & capacity. (Paperclips, cubes, blocks, cups, cans) to solve problems in real life situation involving length, math, and capacity.	
Cluster : Order & Sequence the Events	
L 6 Can recognize some of the events in daily routines (e.g.; get dressed, brush teeth, eat breakfast, wake-up)	
L 7 Can order & compare familiar events in typical sequence (wake-up, brush teeth, get dressed, eat breakfast, go to school.)	
L 8 Can identify few event in the daily routine describe them and sequence them (e.g.; events occurred at school or at home.)	
L 9 Can use regular occurring things as cues to the time of the year (eg; we are all wearing sweater today so it is probably winter.)	
L 10 Can identify the name & order the month & the year & seasons that relate to them.	
L 11 Can use calendars to identify specific information about days & dates (birthday).	
Shape and Space	
Domain: Geometry	
Identify and Describe shapes	

L 1	Knows position words, above, below, inside, in front of, behind, next to, up, down.	
L 2	Can describe the positions of the object (using words such as above, below, beside, in front of, behind, next to.)	
Cluster: Analyze Compare, Create, and Compose shapes.		
L 3	Can <u>name</u> 2D & 3D shapes correctly.	
L 4	Can <u>describe</u> and <u>compare</u> 2D and 3 D shapes by sides and vertices.	
L 5	Can sort and <u>compare</u> 3 D shapes with attributes.	
L 6	Knows shapes in the world around me.	
L 7	Can draw shapes in my environment. (spatial reasoning)	
L 8	Can build shapes from materials in my environment and can describe the position of the material. (spatial reasoning)	

KG1 English Learnin outcomes

Key Learning Outcomes	Curriculum level
Strand : Oral Language – listening and speaking	
Comprehension and Collaboration	
Communicate directly with supportive adults or peer	
Answer questions and ask for help	
Strand : Visual Language – Viewing and Presenting	
Conventions of Standard English	
Distinguish between letters and other symbols or shapes	
Identify answers to simple questions (e.g., who, what) from an array of choices	
Link two or more words together in communication	
Demonstrate understanding of words used in every day routines	
Use words to communicate in real-life situations	
Strand :Written Language – Reading	
Key Ideas and Details	
Identify details in familiar stories	
identify major events in familiar stories	
identify characters and setting in familiar stories	
Identify events, individuals and supporting details from Familiar stories	
Craft and Structure	
Distinguish between words and illustrations in a story and in an informational text.	
Identify the front cover of a book	
Integration of Knowledge and Ideas	
Identify illustrations that go with a familiar story	
Identify the adventures or experiences of a character in a familiar story	
Actively engage in shared reading	
Print Concepts	
Demonstrate understanding that books deliver a message	
Phonological Awareness	
Recognize the number of words in a spoken message	
Phonics and Word Recognition	
Recognize first letter of own name in print	
Recognize environmental print.	
Strand :Written Language - Writing	
Can print the shape of given letters (A-Z)	

