



**DETAILED PLANNER OF MATHEMATICS
MONTH AUGUST
CYCLE 4**

CLASS: UKG

CLASSES REQUIRED	7(seven)
TOPIC	Number names
CONCEPT & SKILLS	<ul style="list-style-type: none">• Associate numbers with their number names (1-10)• Improves vocabulary
LEARNING OUTCOMES	<ul style="list-style-type: none">• Learn number name of numbers.• Vocabulary related to numbers get improved
INSTRUCTIONAL TOOLS & REFERENCES	<ul style="list-style-type: none">• Chart• Number flash cards• Number name flash cards
PEDAGOGY	<ul style="list-style-type: none">• Discussion, Random questioning, concept formation questioning and hands on practice.
ACTIVITY / ASSIGNMENT / RESEARCH	Teacher will make a chart in which she will write number 1-10. She will make students to recite them again and again so that they will be familiar with number names. After this teacher will display two sets of flash cards with numbers and number names. This activity will be repeated till all the students will get a chance to do the activity.
ASSESSMENT	<ul style="list-style-type: none">• Recitation of number names• Spellings of number names• Matching of numbers with number names.



**DETAILED PLANNER OF MATHEMATICS
MONTH AUGUST
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CLASS:UKG

CLASSES REQUIRED	7(seven)
TOPIC	Greater than and smaller than
CONCEPT & SKILLS	<ul style="list-style-type: none">• Comparing the size of collection of objects with another set of objects.• Use symbols $<$ and $>$.• Associate vocabulary like greater than, less than with their corresponding signs.
LEARNING OUTCOMES	<ul style="list-style-type: none">• Understands the use of $<$ and $>$ signs.• Comparing skill gets improved.
INSTRUCTIONAL TOOLS & REFERENCES	<ul style="list-style-type: none">• Craft sticks• Glue• Foam• Crafty googly eyes
PEDAGOGY	Discussion, Random questioning, reinforcement. concept formation.
ACTIVITY / ASSIGNMENT / RESEARCH	<p>.Teacher will make a craft stick alligator. She use glue on craft foam for the teeth and crafty googly eye for each alligator. She will write word greater than and smaller than on craft sticks. Teacher will explain students what greater than and smaller than means.</p> <p>Teacher will put a hand –made alligator on table and unequal number of candies on both sides of the alligator e.g.: on one side there will be 6 candies and on the other side there will be 9 candies. Then teacher will ask the students to count the number of candies on both the sides. She will tell them if the alligator wants to eat greater number of candies, then from which side the alligator has to keep his mouth open. The same procedure will be repeated for less than till the concept of greater than and smaller than gets cleared.</p>
ASSESSMENT	<ul style="list-style-type: none">• Comparing the quantity• Using symbols $<$, $>$ and $=$.



DETAILED PLANNER OF MONTH SEPTEMBER

CYCLE 4

CLASSES REQUIRED	7(seven)
TOPIC	ADDITION
CONCEPT & SKILLS	<ul style="list-style-type: none">Improves math comprehension.Cognitive skillsImproves the child's counting skills.
LEARNING OUTCOMES	<ul style="list-style-type: none">Comparing position of one number with another.Recognition of the order of numbers.
INSTRUCTIONAL TOOLS & REFERENCES	<ul style="list-style-type: none">Cut out of red and yellow flowers and a drawing of flower vase.
PEDAGOGY	Discussion, Random questioning, reinforcement. Concept formation.
ACTIVITY / ASSIGNMENT / RESEARCH	<p>1. The teacher will write the number of red flowers (e.g.; 4) on the black board so the children will paste 4 flowers on the vase.</p> <p>Then the teacher will write the number of yellow flowers (eg; 5) on the blackboard so the children will paste 5 flowers above the vase.</p> <p>Now, the children will add the numbers 4+5 and write it on the vase to create a beautiful bouquet of flowers and colour the vase.</p> <p><u>2.STORY TELLING</u></p> <p>With the help of puppet teacher will develop a story involving an adding situation. This could be where a character has to add together how many of his friends are coming to tea party e.g.; two squirrels and three rabbits or how many biscuits there are all together if there are one chocolate two ginger and four milk biscuits and demonstrate how they can use their fingers to make a total.</p>
ASSESSMENT	<ul style="list-style-type: none">Bringing things together.Comparing positions of different numbersOrder of numbersAdding numbers vertically and horizontally.

DETAILED PLANNER OF MONTH SEPTEMBER
Class:UKG

CYCLE 4

CLASSES REQUIRED	7(seven)
TOPIC	Backward counting
CONCEPT & SKILLS	<ul style="list-style-type: none"> • Improves math comprehension. • Cognitive skills • Improves the child's counting skills. • Learn the concept of reverse counting.
LEARNING OUTCOMES	<ul style="list-style-type: none"> • Recognition of the order of numbers. • Understand the concept of reverse order. • Put the numbers in the correct sequence.
INSTRUCTIONAL TOOLS & REFERENCES	<ul style="list-style-type: none"> • Chalk
PEDAGOGY	<ul style="list-style-type: none"> • Discussion, • Random questioning, • Reinforcement. • Concept formation.
ACTIVITY / ASSIGNMENT / RESEARCH	Teacher will create a number line on the side walk using a chalk .Have student's count the number with you forward and backward. Then have the students start at the largest number and hop to the next while count back .This activity can be differentiate by using numbers to ten ,twenty or thirty depends on the need of your students.
ASSESSMENT	<ul style="list-style-type: none"> • Concept of reverse order • Correct sequence of numbers. • Order of numbers.



DETAILED PLANNER OF MONTH OCTOBER
Class:UKG

CYCLE 4

CLASSES REQUIRED	7(seven)
TOPIC	Subtraction
CONCEPT & SKILLS	<ul style="list-style-type: none">• Understand that taking away is called subtraction.• Use vocabulary related to number operation such as take away, left by, less, minus and subtraction.• Subtract vertically and horizontally with objects and numbers.
LEARNING OUTCOMES	<ul style="list-style-type: none">• Learns how to take away one number from another.• Vocabulary gets developed.
INSTRUCTIONAL TOOLS & REFERENCES	<ul style="list-style-type: none">• Two coloured baskets(red and blue)• Beads.• A number grid chart and crayons.
PEDAGOGY	<ul style="list-style-type: none">• Discussion,• Random questioning,• Reinforcement.• Concept formation.
ACTIVITY / ASSIGNMENT / RESEARCH	<p>The teacher will distribute the beads in red basket to two children. The teacher will write a number on the board (for example -8).The children will count and separate 8beads from red basket and put into the blue basket. The next step would be count the number of beads left in the red basket. Then the child will colour the number on the graph This activity will help children to learn the concept of subtraction.</p>
ASSESSMENT	<ul style="list-style-type: none">• Taking away numbers.• Concept of less minus.



DETAILED PLANNER OF MONTH OCTOBER
Class:UKG

CYCLE 4

CLASSES REQUIRED	7(seven)
TOPIC	Numbers 1-50
CONCEPT & SKILLS	<ul style="list-style-type: none">• To enable the children to recognise and recall numbers from 1-50.
LEARNING OUTCOMES	<ul style="list-style-type: none">• The children will be able to recognise numbers as well as what numbers comes next.
INSTRUCTIONAL TOOLS & REFERENCES	<ul style="list-style-type: none">• Number cards which are written boldly with bright colours from 1-50.• Big chart paper.
PEDAGOGY	<ul style="list-style-type: none">• Discussion,• Random questioning,• Reinforcement.• Concept formation.
ACTIVITY / ASSIGNMENT / RESEARCH	<p>The teacher will display a number 1 on the chart paper and ask the children which number comes next.</p> <p>The child with the card written number 2 will get it and place it next to the number 1</p> <p>Then the next child will get number 3 and place next to the number 2.</p> <p>In this manner the child will complete the chart of numbers 1-50</p>
ASSESSMENT	<ul style="list-style-type: none">• Recognition of numbers• What comes after and before• Sequence of numbers.
INFORMAL ASSESSMENT	<ul style="list-style-type: none">• Numbers 1-50• Number name 1-20• Greater than smaller than• Addition• Subtraction• Backward counting 30-1