Course Description - Grade KG Math

A Fun-Filled Journey into KG Mathematics

Indulge your child's curiosity with our comprehensive Grade Kindergarten (KG) curriculum. Specially designed for children in their early learning stage, this course provides a solid groundwork for mathematical concepts, nurturing a love for numbers from a tender age. Our Foundations of Mathematics for Kindergarten course is meticulously designed to lay the essential groundwork for your child's numerical journey. This engaging course is crafted to spark an early love for math by making it enjoyable and relatable to everyday situations.

With a focus on interactive learning, the course introduces children to essential mathematical concepts in a simplistic, engaging, and developmentally appropriate manner. It includes basic number recognition, counting, sorting, ordering, addition, subtraction, and basic shape recognition. It also incorporates elements of everyday life to help children develop a practical understanding of how math is applied in the real world.

The course also emphasizes the development of problem-solving skills, logical thinking, and fine motor skills through a variety of hands-on activities, games, and puzzles. This way, we ensure that our learners not only memorize numbers but also understand the concepts behind them.

1. Number Recognition: Children will learn to identify numbers from 1-20, paving the way for numerical literacy.

2. Counting and Ordering: Through practical exercises like counting toys, children will learn the progression of numbers and their order.

3. Introduction to Basic Arithmetic: Simple addition and subtraction using visual aids will be introduced, providing kids with an initial understanding of mathematical operations.

4. Shapes and Patterns: Children will explore different shapes and learn to identify patterns, a preliminary step towards understanding geometry.

5. Real-life Application: By incorporating elements like telling time and counting money, we help children grasp the practical application of math.

6. Interactive Learning: The course will use interactive digital tools, physical activities, and games to make learning math fun and exciting.

Our Grade KG Curriculum is more than just numbers; it's about sparking curiosity, fostering creativity, and building confidence in young learners to face more complex mathematical challenges in the future. Join us for an enriching learning experience!

In order to teach the skills in this subject in the best way possible, the course uses a variety of teaching strategies, and proper and varied evaluations. Likewise, there is an emphasis on the diverse use and application of these skills supported by feedback.

Some of the teaching strategies include:

1. Virtual lectures via videos supported by pictures and animations
2. Interactive exercises with providing feedback.
3. Learning through play and games.
4. And internet exams are used as a final evaluation strategy.

The table below clarifies the course content, the chapters and the main skills in each chapter:

#	Chapter	Skills
1	Chapter One: Whole Numbers (I)	• Recognizing numbers (1, 2, 3, 4, 5, 6, 7, 8, 9, and 10), • Learning to count through pictures, shapes and videos, • Learning to write the number (1, 2, 3, 4, 5, 6, 7, 8, 9, and 10), and • Learning the order of numbers from 1 to 10.
2	Chapter Two: Whole Numbers (II)	• Recognizing numbers (11, 12, 13, 14, 15, 16, 17, 18, 19, 20) and their components, • Learning to count in order through pictures and shapes, • Learning to write numbers (11, 12, 13, 14, 15, 16, 17, 18, 19, 20), • Recognizing the number line and learning to count through it, • Learning the method of counting using signs, learning to count using tables
3	Chapter Three: Whole Numbers (III)	• Recognizing numbers from 21 to 30 and their components, • Learning to count from 21 to 30 in different ways, recognizing ones and tens place values, • Recognizing numbers up to 100, learning to count to 100, • Finding the missing numbers in different ways (number line, cubes)
4	Chapter Four: Skip Counting	• Learning skip counting by (twos, fives, tens), • Skip counting with jumps by (twos, fives, tens) using the number line and groups.
5	Chapter Five: Comparison and Patterns	• Learning to compare things, • Learning how to know the more, less, and equal in comparison,

		• Recognizing comparative signs (>, <, =), • Comparing numbers up to 10 in different ways, • Comparing numbers up to 20 in different ways, • Learning about the number pattern, • Learning to complete a pattern of two or more elements, and • Learning about the incremental pattern.
6	Chapter Six: Addition	• Recognizing the addition sign, • Linding the result of the addition by counting pictures and shapes, • Finding the form corresponding to the addition sentence and the sentence corresponding to the form, solving addition sentences, • Finding the plural sentence that lead to the result, • Finding the missing number in the addition sentence, using the addition to solve problems, • Finding the result for addition sentences up to the number 10 by counting pictures and shapes, • Converting writing plural sentences from words to numbers
7	Chapter Seven: Subtraction	• Learning to subtract by counting, • learning to write the subtraction sentence, • Finding the shape or pictures that express the subtraction sentence, • Learning to count backwards to find the result of subtraction, • Finding the subtraction sentence for a specific product, finding the missing number using subtraction, • Using subtraction to solve problems, • Finding the result of subtraction up to the number 10 by counting pictures and shapes, • Converting writing subtraction sentences from words to numbers