



SUPER KIDS NURSERY

early childhood centre

Mathematical Reasoning and Problem Solving

Mathematical understanding becomes more structured during the Foundation Stage 2 year. Children aged four to five begin applying numerical concepts in more complex ways, strengthening their ability to count, compare quantities, and solve simple problems. At our nursery in Mirdif, Dubai, numeracy development is integrated into everyday learning experiences to help children build confidence with numbers.

Counting skills continue to develop as children begin counting larger groups of objects and recognizing number sequences. Educators introduce activities that help children connect numbers with quantities, ensuring they understand what each number represents rather than simply memorizing sequences.

Number recognition becomes more consistent during this stage. Children learn to identify numbers in different contexts such as books, classroom displays, and interactive games. Through these experiences, they develop familiarity with numbers as symbols that represent measurable quantities.

Simple addition and subtraction concepts are introduced through hands-on activities. For example, children may combine groups of objects or remove items from a set to observe how quantities change. These practical demonstrations help children understand mathematical relationships.

Pattern recognition also becomes more advanced during FS2. Children experiment with creating and extending patterns using shapes, colors, and objects. Recognizing patterns strengthens logical thinking and helps children understand sequences and relationships.

Measurement concepts are explored through comparisons of length, height, weight, and capacity. Children may compare objects using descriptive language such as longer, shorter, heavier, or lighter. These experiences help develop analytical thinking and observation skills.

Geometry concepts also begin to expand as children identify shapes within their environment. They learn to describe properties of shapes and observe how shapes appear in everyday objects.

Problem solving activities are integrated throughout the classroom. Building structures with blocks, completing puzzles, and navigating challenges during play all encourage children to think critically and experiment with solutions.

For parents looking for a nursery in Mirdif that prepares children for primary school mathematics, early exposure to logical reasoning is essential. By introducing mathematical concepts through engaging activities, our FS2 program helps children develop confidence in their ability to work with numbers and patterns.

At our Dubai nursery, mathematics is presented as a tool for exploration and discovery. When children interact with numbers in meaningful ways, they develop curiosity and confidence that support their continued academic growth.

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