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**NOW ENROLLING**

**NEW STUDENTS!  
AGES 18 MONTHS – 5 YEARS**



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**The Madame Curie School**  
of Science & Technology  
*For Curious Little Minds*

# The STEM++ Curriculum

## **Science**

Early exposure to science is critical for many reasons. Put simply, it instills the virtues of curiosity and exploration, stretching the boundaries of what is possible. Curie especially prides itself on its unique Science Curriculum, which is both instructive and hands-on.

## **Technology**

Technology has become partly intuitive to the new generation, and The Madame Curie School aims to nurture this through computer literacy, step by step logical thinking by way of introduction to rudimentary flowcharting, music making, photo editing, online art, and more.

## **Engineering**

Introduction to basic engineering concepts has been proven to start young minds racing to make connections and draw inferences from everyday objects. Another big part of this Curriculum is Critical Thinking. Our Critical Thinking Curriculum uses a figurative approach at the pre-school level, encouraging out-of-the-box thinking. At the Kindergarten level, it focuses on gearing our kids for tests such as CogAT and NNAT, which are given in county schools in the Early Elementary years. (Gr. 1 – Gr. 3)

## **Mathematics**

The math achievement gap starts early – even before kindergarten. Evidence is mounting about the importance of teaching math in Preschool and Kindergarten and research has shown that children who don't have strong math instruction during the formative years are more likely to struggle in later years. To avoid highly repetitive exercises, our instructional approach teaches math concepts using word problem examples, preferably with practical applications in daily life. We place a special emphasis on number sense, which is the foundation for mathematical thinking.

## **Language Arts**

Our learning process includes visual and oral comprehension activities, with a special emphasis on reading and writing. Our innovative Language Arts program incorporates reading and listening comprehension alongside music, poetry, storytelling, and role-playing.

## **Motor Skills**

At The Madame Curie School, we develop and hone greater motor skills through play, organized group sports, games, and dance. Our group sports activities are aimed at teaching teamwork and spirit, as well as sportsmanship in victory and defeat. Our Arts program focuses on developing fine motor skills and hand-eye coordination using various media, textures, and materials.

## **Socio-Emotional Skills**

A large part of our preschool curriculum instills the life lessons of kindness, compassion, respect, and self-esteem. We strive to reinforce focus, perseverance, time management, and other useful study habits. Such traits, when learned at an early age, become second nature to our preschoolers and allow them to approach elementary school with confidence, self-esteem, and a positive attitude.