THE MATHICAL MYSTERY TOUR

Math School Assembly

Lessons taught and reinforced

- Reinforces number sense, addition strategies, and patterns.
- Introduces the idea that numbers are flexible and interesting.
- Topology is a real branch of math.
- Spatial reasoning and flexible thinking.
- Math can be physical and playful, not just numbers on a page.
- Introduces permutation, patterns, and problem-solving.
- “Math is hidden in puzzles. Magic is often a clever trick. Can you tell which is which?”
- Math can transform 2D shapes.
- Introduces the concept of symmetry and mathematical creativity.
- Shows estimation as a useful real-life skill. (Emphasizes that math is powerful — even more accurate than intuition sometimes.)
- Odd vs even numbers
- Combinations and problem solving with logic and reasoning◦ Demonstrates multiple correct solutions and creative mathematical thinking.
- Geometry, spatial reasoning, and visualization
- Tangrams encourage problem-solving, estimation, and transformation of shape.

Vocabulary used

- Possibility, probability, area, volume, perimeter, permutations, topology, estimation, symmetry, odd and even, shapes and patterns, mental math, division, addition, billions, trillions & quadrillions

Overall themes

- Math helps to create new things and see old things in a new way.
- Encourages independent learning.
- Reinforces that math is not just schoolwork — it’s fun, mysterious, and magical.
- Empowers kids to explore math books and math puzzles on their own.