

JACOB MATRICULATION SCHOOL, MANAVALANAGAR

MATH IN MOTION: WEEKLY RAMANUJAN DAY CELEBRATIONS

June Month Activity Report

Activity 1: A Journey into Ramanujan's Mathematical World

- **Date:** 12/6/2024
- **Guide Teacher:** Mrs. Vidya Shankaran
- **Topic:** Ramanujan
- **Activity:** Academic Coordinator, Mrs. Vidya Shankaran madam embarked on a fascinating journey with the students into the life and mind of the mathematical genius, Ramanujan. She explained his extraordinary contributions to number theory, infinite series, and continued fractions. The students were captivated by Ramanujan's story and his ability to discover deep mathematical truths through intuition and self-learning. To reinforce the concepts, madam presented a series of challenging math problems that required creative thinking and problem-solving skills.

Activity 2: The Building Blocks of Mathematics: Numbers

- **Date:** 19/6/2024
- **Duty Teacher:** Ms. Kamala
- **Topic:** Numbers
- **Activity:** Ms. Kamala transformed the assembly area into a mathematical playground, where students explored the fundamental building blocks of numbers. She introduced them to different types of numbers, such as natural numbers, whole numbers, integers, even numbers, and odd numbers. Through engaging games and interactive activities, students learned to identify and classify numbers, understand their properties, and perform basic arithmetic operations.



Activity 3: Measuring the World Around Us

- **Date:** 26/6/2024
- **Duty Teacher:** Mrs. Kavitha

- **Topic:** Measurements
- **Activity:** Mrs. Kavitha took the students on a measurement adventure, exploring the world around them with a newfound appreciation for size, distance, and quantity. They learned about different units of measurement, such as length, mass, and volume, and practiced using rulers, scales, and measuring cups. Mathematics mentor Mr. Muthuselvan conducted engaging hands-on activities using various measuring instruments. He guided students in understanding and applying the concepts of measurement to quantify different quantities accurately.



### July Month Activity Report

#### Activity 1: The World of Shapes

- **Date:** 3/7/2024
- **Duty Teacher:** Mrs. Gowri
- **Topic:** 2D and 3D Shapes
- **Activity:** Mrs. Gowri created an experience where students explored the fascinating world of shapes. Students learned about the properties of 2D and 3D shapes, identified shapes in their surroundings, and even designed their own unique shapes. Students creatively expressed their understanding of different shapes by constructing unique representations, such as charts, hats, and other objects. They confidently explained the characteristics and properties of each shape. The activity fostered creativity, spatial reasoning, and a deeper understanding of the geometric world.



#### Activity 1: Angles: The Cornerstones of Geometry

- **Date:** 7/8/2024

- **Duty Teacher:** Mrs. Kavitha
- **Topic:** Types of Angles
- **Activity:** Mrs. Kavitha transformed the assembly area into a geometry laboratory, where students explored the different types of angles. They learned about acute, obtuse, right, and straight angles, and practiced identifying them in various shapes and objects. The students also experimented with creating different types of angles using manipulatives and measuring tools, deepening their understanding of their properties and relationships.



Students effectively communicated their understanding of different angles by utilizing a variety of visual aids, including shapes and charts. They demonstrated their knowledge through clear explanations and practical examples.

### Activity 2: The Language of Algebra

- **Date:** 24/8/2024
- **Duty Teacher:** Mrs. Kavitha
- **Topic:** Algebra
- **Sub-topics:** Algebraic Expressions, Variables, Constants, Coefficients, Like and Unlike Terms
- **Activity:** Mrs. Kavitha introduced the students to the exciting world of algebra, where they learned to express mathematical relationships using symbols and variables. They explored algebraic expressions, identified variables and constants, and understood the concept of coefficients.



### Activity 3: Mastering Multiplication Tables

- **Dates:** 21/8/2024 and 28/8/2024
- **Duty Teacher:** Mrs. Devika and Mrs. Kavitha
- **Topic:** Multiplication Tables (2-12 and 2-16)
- **Activity:** The duty teachers created a fun and engaging environment for students to practice and master their multiplication tables. They used games, flashcards, and interactive online tools to make the learning process enjoyable and effective. Students who excelled in their multiplication skills were rewarded with prizes and recognition by the Mathematics mentor Mr. Muthuselvan, encouraging them to continue their efforts.



### September Month Activity Report

#### Activity 1: Number Sense and Operations

- **Date:** 18/9/2024
- **Duty Teacher:** Ms. Akshaya
- **Topic:** Numbers
- **Activity:** Ms. Akshaya focused on developing the students' number sense and operational skills. She conducted activities involving mental math, estimation, problem-solving, and number patterns. The students learned to apply their knowledge of numbers to real-world situations. By the end of the activity, the students were more confident in their ability to think critically and use numbers effectively.

