

REPORT

BAL SABHA ACTIVITY (2024-25)

NAME OF THE ACTIVITY: MATHS MODELING

Date of the activity: 11.12.24

Venue: Respective Classrooms

In-charges: Class teachers of class III-IV

Purpose:

The purpose of the activity was to help students understand the properties of 3D shapes (faces, edges, vertices) through an engaging, hands-on model-building exercise. It aimed to promote spatial awareness, critical thinking, and creativity while reinforcing geometric concepts in a fun and practical way. Additionally, it connected classroom learning to real-world applications, encouraging collaborative and experiential learning.

Highlights of the activity:

The activity helped students understand 3D shapes and their properties through hands-on model building using toothpicks and marshmallows. It enhanced communication skills, teamwork, and critical thinking as students presented their models and collaborated to solve challenges. By experimenting with different designs, students explored geometric concepts like faces, edges, and vertices in a tangible way. The activity encouraged creativity and problem-solving, fostering a deeper understanding of geometry while connecting it to real-world applications such as architecture and engineering.

It also promoted confidence as students explained their models to the class, practicing public speaking and presentation skills. Furthermore, the task challenged students to consider the stability and accuracy of their structures, helping them develop essential skills like spatial reasoning, logical thinking, and attention to detail.

The activity sparked curiosity and independent thinking as students experimented with various construction methods, testing their ideas to improve their designs.



Students learned to listen to others' ideas, provide constructive feedback, and work together toward a shared goal. This process of trial and error encouraged resilience and adaptability in the face of challenges.

Through this interactive approach, students gained a sense of accomplishment and ownership of their learning, making abstract concepts more relatable and engaging.



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"Collaborative learning through hands-on model building!"

The activity nurtured a well-rounded skill set, including mathematical understanding, collaboration, creativity, problem-solving, and effective communication, while making math enjoyable, meaningful, and applicable to everyday life.

Report submitted by: Ms.Anita

**Supervision: Mrs.Vinaya Pujari
(Headmistress Primary)**