

The Math of Shapes and Sizes: A Collaborative Activity with BEMS

Pune, Maharashtra | 17th January 2024



Bhatt.

The objectives of the collaborative math activity were to make regular shapes using matchsticks and deriving their formula of perimeter; and to make irregular or regular shapes on Geoboard and find out the area and perimeter of the same.



rubber bands. Students were asked to take a rubber band and make any shape by placing them on the dots around the geoboard.

They start by making a 2x2 square. After placing the rubber bands, the students started to count the perimeter and area of the shape by counting the number of squares around the boundary (perimeter) and the squares enclosed inside the shape (area). Each square was of 1cm.



On 17th January 2024, a Twinning Programme was conducted at S B Patil Public School's Innovative Lab. The event was a collaboration between our school and Beena English Medium School. The event hosted 41 students and two teachers from the guest school: Ms. Jabeen Shaikh and Ms. Shabnam Shikalgar.

There were ten students from our school and the organisers: Ms. Vandana Sangle, Ms. Varsha Deshmukh, Ms. Nishtha Nath and Ms. Anuprabha



The first activity was an individual activity wherein students were given a set of matchsticks (15 sticks), and were asked to make polygon using two matchsticks. However, to make a polygon we require minimum 3 sides. Hence to this, students answered that making a polygon with two sides is not possible and commenced making polygons using three, four and five sides.

The second activity was a group activity wherein on each table a geoboard was placed with sum



They tried to repeat the same activity for 2x3 rectangle and 3x3 square. Students from S.B. Patil Public School helped the students from BEMS to perform the activity.

The event was followed by snacks for all students and teachers from Beena English Medium School. Our school also provided transport facility for the students and teachers of BEMS.

Through this, students were able to learn new methodologies and techniques to derive formulas from two simple activities which they can try at home anytime. They also enjoyed the activity and were excited to visit a different school and be part of an activity with full zeal. The entire event surely did inculcate collaborative learning skills not only amongst the students of Beena English Medium School but also of S. B. Patil Public School

Feedback

"The activity was very well organized and easier to understand for our students. They enjoyed performing these activities and learning from the school staff and students." - Beena English Medium School

"It is great to see, collaborative learning getting implemented from both the schools and the students were showing keen interest in learning and adapting to new things." - S.B. Patil Public School

Videos

1. https://drive.google.com/file/d/1qAWdfzGs447gw50OF9bLyjiPR--B_ItU/view?usp=drivesdk
2. <https://drive.google.com/file/d/1qAqWoJ60Yymg6bWpEYmhwVNE-zW8CngK/view?usp=drivesdk>
3. https://drive.google.com/file/d/1qB_0yJJ-R5Vq5Qgl1xdgpEz2XKumrhGj/view?usp=drivesdk