

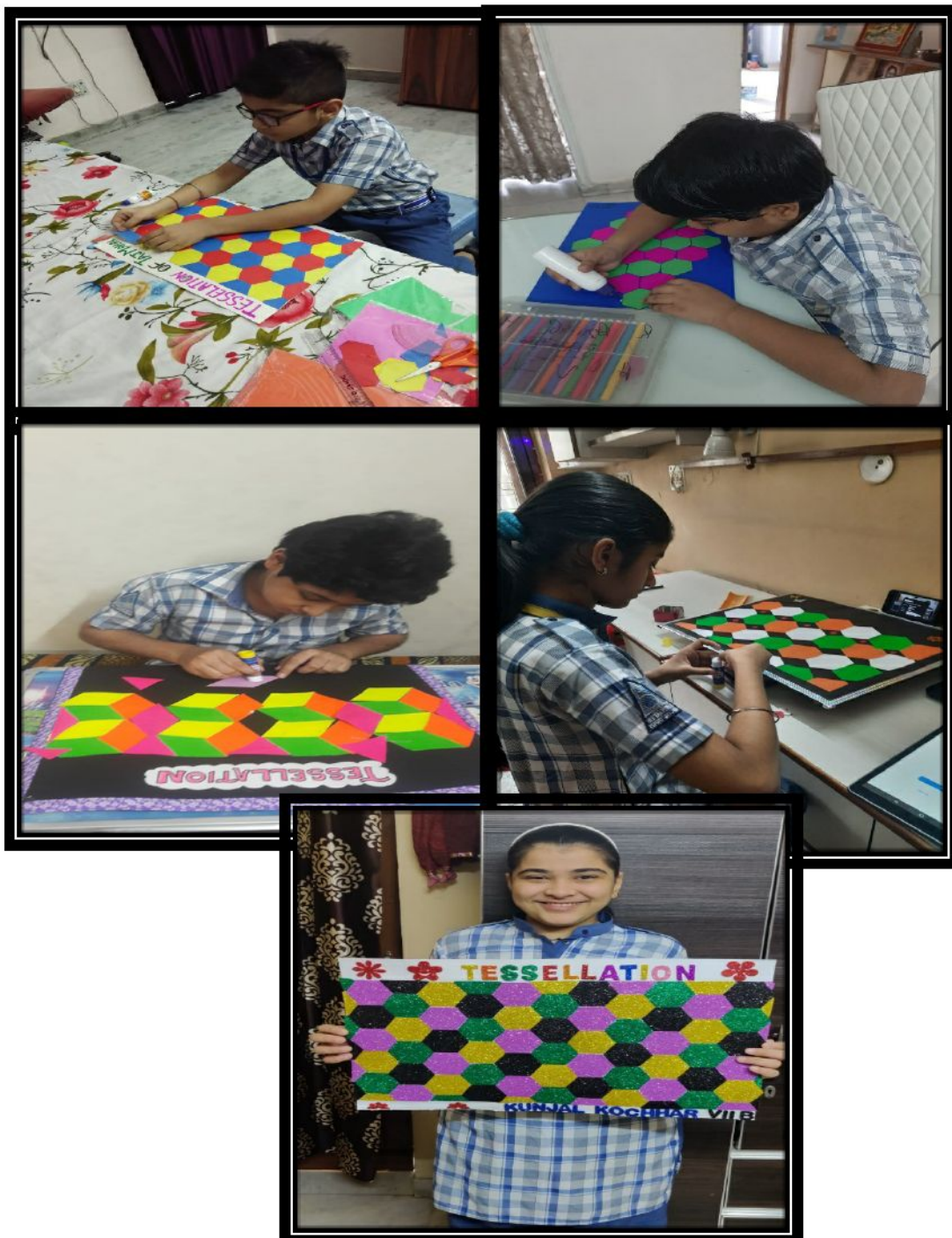
Activity 1: Virtual Visit to the Taj Mahal

Few students of class 8th were selected and a virtual trip to the Taj Mahal was organized by the teachers. They observed and identified the use of geometry in the symmetrical shape of the Taj Mahal. They were given measurements of few shapes in the Taj Mahal and they calculated the area and perimeter, made a note of angles, circular objects and symmetry. Afterwards, a worksheet was filled by every student. The students also wrote a report on the same.



Activity 2: Creating Tessellations

The students gathered information about the tessellations in the Taj Mahal, the Blue Mosque and the Eden Project. The teachers scheduled an online meeting with the students to discuss the same. The students observed, studied and identified beautiful floor patterns, wall patterns etc. in the Taj Mahal and used their creative ideas and Mathematical skills in making beautiful tessellations. They observed and studied the outer structure of the dome of the Eden Project and applied their Mathematical skills in making hexagonal shaped tessellations. They also observed and related their Mathematical concepts to the beautiful and fabulous art work of the Blue Mosque.



Activity 3: Power Point Presentation

The students of class 8th were asked to make a PPT in which they were told to search for Mathematical facts used in three monuments- the Taj Mahal, the Eden Project, and the Blue Mosque. The students were also shown the amazing artwork done in these monuments using the concept of tessellation, symmetry and mensuration.

All the PPTs were then analyzed and the best three among them were chosen. Thereafter, a Zoom meeting was conducted with students in which they shared their understanding and learning about the Mathematical concepts used in these monuments. They exchanged their views and broadened their minds by looking into these beautiful architectures through the prism of Mathematics.

The students also filled a worksheet based on their learning, interesting Mathematical facts and their application in our surroundings.

