

GYAN MANDIR PUBLIC SCHOOL
REPORT OF STEM ACTIVITY
MONTH – APRIL
Class I and II

Name of the Activity – “Drinking Straw Roller Coaster”

Learning Objectives:

Students will be able to-

- understand the concepts of inertia and gravity and how they influence the motion of objects.
- apply knowledge of physics principles to real-world scenarios, such as roller coaster dynamics.
- develop critical thinking skills by observing and analyzing the behavior of objects in motion.

Description of the Activity:

The activity showed how the ball moves because of inertia and gravity. Students learned this by putting a ball on a roller coaster and seeing that it only changes direction when it hits the edges of the coaster. The students observed that when the ball was placed at the top of the roller coaster, it stayed still until the force of gravity pulled it down. As the ball rolled along the coaster's track, they noticed that it kept moving because of its inertia, which is the tendency of objects to keep doing what they're doing. This hands-on experience helped the students understand how these two forces work together to make things move.

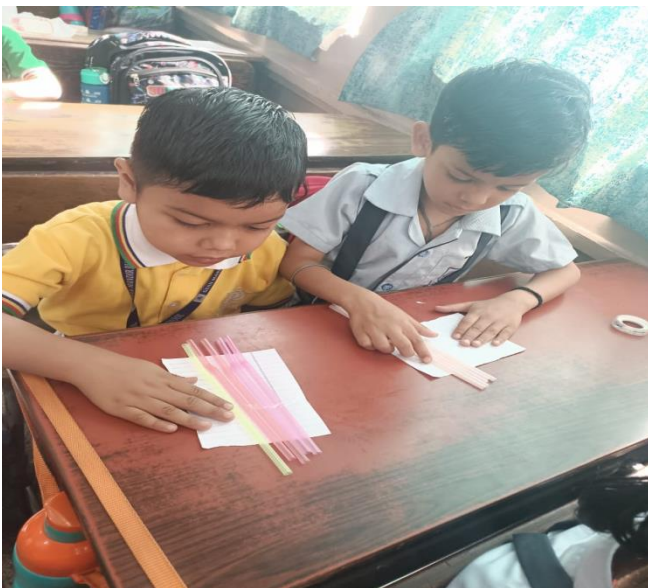
Learning Outcomes:

Students were able to

- explain how inertia and gravity contribute to the movement of a ball on a roller coaster track.
- engage in hands-on learning experiences that deepen their comprehension of scientific concepts and foster curiosity about the natural world.

GLIMPSES OF THE ACTIVITY

I-A



I-B



II-A



II-B

