



Bal Bharati
PUBLIC SCHOOL
M A N E S A R

The **Astronomy Club** organized an engaging and educational activity titled **Rocket Launcher Using Vinegar and Baking Soda Reaction** on 20 September 2025. The event aimed to introduce students to basic principles of chemical reactions and Newton's laws of motion while inspiring curiosity about rocketry and space exploration. The activity encouraged teamwork, creativity, and practical learning.

Participants were divided into teams and provided with materials including plastic bottles, corks, straws, vinegar, and baking soda. Each team followed guided steps to create a simple rocket launcher powered by the reaction between vinegar and baking soda, which produces carbon dioxide gas and propels the bottle upward. Students experimented with different proportions of vinegar and baking soda to observe changes in thrust and flight height.

The activity deepened students' understanding of reaction-based propulsion, fostered scientific inquiry, and added a fun, hands-on approach to learning physics and chemistry. Special appreciation was extended to teams that demonstrated innovative designs and effective teamwork.

Glimpses:





