

REPORT ON THE ACTIVITIES OF THE ASTRONOMY CLUB (17.12.24)

An engaging and interactive astronomy session was conducted where students participated in diverse activities, promoting scientific exploration and teamwork. The session was structured around group-based tasks, ensuring active involvement and fostering curiosity about the cosmos.

Students enthusiastically began with Destroy the Rock, simulating asteroid impacts, and Crater Making, which highlighted planetary surface formation. Comet Making introduced the components of comets, while Ring the Planets enhanced their understanding of planetary ring systems through a hands-on approach. The Mass of the Planet activity taught students how celestial bodies' masses are calculated.

The session also featured creative exercises like make a Constellation, where students designed star patterns, and Create Your Own Sky, enabling them to visualise night skies. Hydro Rocketry demonstrated basic principles of rocket propulsion, while Lift Off showcased spacecraft launching techniques.

Practical experiments included Solar Observation through specialised equipment and Hands-on Telescope, which familiarised students with astronomical instruments. Spectroscopy revealed how light is analysed to study celestial objects.

For artistic exploration, the Tattoo Station featured space-themed designs, and a Photo Exhibition showcased stunning astrophotography. A DSLR workshop titled Fun with DSLR helped students capture the night sky. The Barn Door activity emphasised tracking stars manually.

The session concluded with an awe-inspiring launch of hydro rockets and reflection on celestial phenomena. This diverse range of activities not only deepened students' understanding of astronomy but also ignited a passion for the mysteries of the universe.



