



Report on Science Show

Occasion: National Space Day Celebration

Date: 11th September 2025

Venue: KCSA, Lonavala

As part of the **National Space Day Celebration**, a special **Science Show** was organized on 11th September 2025 at KCSA, Lonavala. The show was conducted by **Mr. Iqbal Dhalait, faculty at KCSA**, who presented exciting demonstrations using **liquid nitrogen**.

The experiments included:

- **Banana as a hammer:** A banana frozen in liquid nitrogen became so rigid that it was used like a hammer.
- **Frozen grapes:** Grapes turned into solid balls when cooled.
- **Rubber ball breaking:** A rubber ball shattered like sand when thrown after being frozen.
- **Balloon shrinking and expanding:** Balloons shrank when dipped into liquid nitrogen and expanded again when taken out, showing gas contraction and expansion.
- **Pressure cooker whistle without heat:** A cooker whistled without heat, demonstrating the effect of rapid evaporation and pressure changes.
- **Cloud formation**
- **Popping of balloon with heat**
- **Soap bubble monster**
- **Hero's engine**
- **Creating flame from chemicals**
- **Inflammable flame**

The demonstrations were highly interactive and engaging, providing simple yet powerful insights into concepts like **states of matter, temperature effects, and pressure variations**.

The show received an overwhelming response with a **footfall of about 300 participants**, including students and visitors, who thoroughly enjoyed and appreciated the event.

Outcome:

- Enhanced scientific curiosity through live demonstrations.
- Encouraged students to connect theory with real-life applications.
- Successfully celebrated National Space Day with active participation and enthusiasm.

