



BIRLA PUBLIC SCHOOL GANGANAGAR

(A UNIT OF BIRLA EDUCATION TRUST PILANI)

(A step ahead.....)



CBSE AFFILIATION
NO. 1730974

Session : 2024-25

Ref. No: BPSG/2024-25/EC/00111-A

Date: 13th January 2025

Science Event : Luminous Horizon

Dear Parents and Students,
Greetings!

We are delighted to announce an exciting and enriching science event for the students of **Class VI** "**Luminous Horizons.**" This event will blend fun and learning as students delve into the mysteries of light and shadows. Through hands-on experiments and creative activities, they will gain a deeper understanding of these fundamental scientific concepts."

Objectives:

- To foster curiosity and excitement about science in our young learners.
- To provide a hands-on learning experience that reinforces classroom concepts.
- To showcase students' understanding of light and its properties.

Event Details:

Date: 28th January 2025 (Tuesday)

Time: Science Period

Venue: Classroom

Activities for the students to perform:-

- **Light and its Properties:**
 - ❖ Experiments with light sources (flashlight, laser pointer)
 - ❖ Exploring different types of light sources (natural and artificial)
 - ❖ Investigating the properties of light (reflection, refraction)
- **Shadows:**
 - ❖ Creating shadow puppets and exploring their movement
 - ❖ Investigating the relationship between the object, light source, and shadow
 - ❖ Understanding how the size and shape of shadows change.
- **Reflections:**
 - ❖ Exploring reflections in mirrors, water, and other reflective surfaces
 - ❖ Understanding the concept of image formation
 - ❖ Investigating the properties of plane mirrors (virtual image, lateral inversion)

Rubrics for Assessment:

Student participation and learning will be assessed based on the following rubrics:

- ❖ Creativity and Innovation
- ❖ Teamwork and Collaboration
- ❖ Presentation and Communication

Note:

- Participation is compulsory for all students.
- Students are encouraged to prepare and present experiments on the given topics using innovative ideas.
- Parents are kindly requested to support and motivate their wards for active participation in this event.

Let us join hands to make this event a memorable and enriching experience for everyone.

Thank you for your cooperation.

Warm regards,

BPSG