



# BIRLA PUBLIC SCHOOL GANGANAGAR

(A UNIT OF BIRLA EDUCATION TRUST PILANI)

(A step ahead....)

Session : 2023-24

## Science Event Report

Date- 23.01.2024

Class- IX

Subject- Science

**Event Name: "Science of Sound"**

### **Objective of the Activity:**

1. To make students aware about scientific concepts like sound – production and propagation, speed of sound in different mediums, infrasound and ultrasound – its applications, echolocation, human ear and its parts and their function.
2. Encourage students to develop creative expression and sharpens senses through keen observation from their daily routine.
3. Enhances curiosity and out of box thinking.
4. To learn team work and cooperation.
5. Inculcating a sense of pride in showcasing their talent.

**Total no. of Students: 36**

**No. of Participants: 34**

### **Methodology:**

Science event was organized to make students aware about how science is around them, how small things work. It also enhance the logical and thinking process of the students by creating visual arts that helped them with the concepts of Science in their day-to-day life. The students will be judged according to their performance and different rubrics such as use of ICT, Model presentation, Activity Demonstration related to Sound.

### **Brief note about Activity:**

The event helped the learners to showcase their skills on the topic of their choice based on creative based process. This event helped the learners to improve their knowledge related to the topic and how to use them in their daily life.

### **Outcome of Activity:**

1. Learner were able to learn how to apply their classroom learning in daily life activities.
2. This event helped the learners to improve their scientific thinking and reasoning skills.
3. Boost confidence among the learners.
4. Encourage peer learning and cooperation.
5. Develop and maintain problem-solving skills.

### **Evidence of Photographs with no.: 05**





**Enclosure:**

Circular and poster of the event shared with parents/students

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ESTD. 2019      CBSE AFFILIATION NO. 1730974

A WORLD CLASS AIR-CONDITIONED ENGLISH MEDIUM CO-EDUCATIONAL SENIOR SECONDARY CBSE DAY SCHOOL WITH HOSTEL FACILITY

## Science of Sound

Sound is the language of vibrations and science is the language of understanding the vibrations of reality.

Tuesday  
January 23, 2024

09:40 AM – 10:20 AM

Class - IX

[www.bpsg.edu.in](http://www.bpsg.edu.in)

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### BIRLA PUBLIC SCHOOL GANGANAGAR

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*(A Step Ahead....)*

Session: 2023-24  
Class: IX

Event: Science of Sound

“Unlocking the Symphony of Knowledge: Where Science Meets Sound!”

Dear Parents and Students  
Greetings!

We hope this circular finds you in good health and high spirits. At Birla Public School Ganganagar, we believe in fostering a holistic and engaging learning environment for our students. Understanding the science of sound is crucial in comprehending various aspects of our daily lives. From communication to music, sound plays a pivotal role. We are excited to share that our upcoming educational focus will be on the fascinating realm of sound. To improve the understanding of sound Science Department of BPSG is going to organize an event to enhance the hidden potential in students on 23<sup>rd</sup> January 2024 (Tuesday).

**Objective-**

1. Understanding the properties of sound waves
2. Sound production by different musical instruments
3. Propagation of sound through different mediums
4. Human ear and its parts
5. Applications of ultrasound

**Event Details:**

**Date:** January 23<sup>rd</sup>, 2024      **Time:** Science Period      **Venue:** Classroom

**Activities:**

1. Sound Production
2. Propagation of sound through solids, liquids and gases
3. Jal tarag, Singing bowl
4. Human ear (model)
5. Applications of ultrasound

**Rubrics for Assessment:**

1. Presentation      2. Creativity      3. Concept clarity      4. Scientific skills

**Notes:**

- Students can make their models and toys at home and will demonstrate them on the day of event.
- Students need to create and represent project on the above topics with innovative ideas.
- Participation is compulsory for all the students.
- Parents are requested to motivate their ward for active participation.

Thank you for your cooperation.

Regards  
BPSG

**Teacher Name & Signature with Date:**

Mr. Sanjeev Kumar  
23<sup>rd</sup> January, 2024