



Session: 2024-25

Reference No. 00109-A

“Everything around us is made of matter, and understanding it is the key to unlocking the mysteries of the universe.”

Class XI Chemistry Event

“Matter Matrix”

**Dear Parents and Students,
Greetings!**

We are delighted to announce an exciting and enriching Chemistry event for Class XI - “Matter Matrix”. This event is designed to delve into the intriguing world of matter and its transformations. Through dynamic demonstrations and hands-on experiential learning, we aim to provide students with opportunities to visualize, investigate, and reinforce key scientific concepts in an engaging and innovative manner.

Objective:

To apply scientific methods, think critically, collaborate, communicate clearly, and showcase creativity.

Event Details:

Date: 29th January 2025 (Wednesday)

Time: Science Period

Venue: Classroom

Activities

- **Boyle’s Law:** Explore the relationship between pressure and volume of gases with a simple syringe experiment.
- **Melting Point Determination:** Measure the melting point of substances like ice or wax.
- **Boiling Point & Altitude:** Investigate how water’s boiling point changes at different altitudes.
- **Viscosity of Liquids:** Compare how different liquids flow under similar conditions.
- **Flash Freezing** - instant ice formation

Rubrics for Assessment

- **Scientific Method:** Application of the scientific process.
- **Critical Thinking:** Analysis and evaluation of information.
- **Teamwork & Collaboration:** Effective group work and communication.
- **Communication & Presentation:** Clear and effective communication of ideas.
- **Creativity & Innovation:** Originality and unique approaches.

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