



**Session: 2023-24**

***“Electricity can transform matter, As Chemical reactions dance to rhythm of electrons.”***

***Class VIII: Science Event***

**Electrifying Electricity**

***( Chemical effects of effects of electric current)***

**Dear Parents and Students**

**Greetings!**

Electricity is of paramount importance in modern society, influencing virtually every aspect of our daily lives. It plays a crucial and multifaceted role in modern society, impacting various aspects of our daily lives, industries, and technological advancements. The relationship between electricity and its chemical effects is evident in processes like electrolysis, electrochemical cells, corrosion, and electroplating. These phenomena demonstrate the interplay between electrical energy and chemical reactions, forming the basis for various technological applications in energy storage, manufacturing, and material science. With the same point of view, BPSG is going to organize an event- “ **Electrifying Electricity**”.

**Objective-** To provide opportunities for Experiential Learning where children will participate and enhance their creativity, presentation, and communication skills.

**Event Details:**

Date: 24/01/2024

Time: Science Period

Venue: Classroom

**Activities:**

1. **Testing Electrolysis** : Students can observe the gases produced at each electrode (hydrogen at cathode and oxygen at anode) and test them using a flame (hydrogen ignites) and a glowing splint (oxygen relights).

2. **Electroplating**: Set up an electroplating experiment where students can copper plate a small object (e.g., a key or a coin).

3. **Conductivity of Solutions**: Student will Test the conductivity of different solutions to demonstrate the ionization of substances in water

4. **Quiz**: Students will participate in an interactive Science quiz to test their knowledge and understanding about concept of Chemical Effects of Electric Current.

**Rubrics for Assessment:**

- Presentation
- Creativity
- Concept clarity
- Scientific skills

**Note:**

- 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**