

# ROYAL COLLEGE OF EDUCATION AND RESEARCH FOR WOMEN

Report on Science Demonstration: A Science Club Activity

**DATE:** 21<sup>st</sup> April, 2026

**VENUE:** Multipurpose Hall

**TIME:** 11:00 AM onwards

**NO. OF PARTICIPANTS** – 14

**COORDINATOR:** Asst. Prof. Dr. Mandrita Mitra

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**ROYAL COLLEGE OF EDUCATION & RESEARCH FOR WOMEN**

**NAAC ACCREDITED B++**  
*Science Club organizes*

**Science Demonstration**  
**THINK. TINKER. TEST**

**Principal: Dr. Judy Grace Andrews**  
**Mentor: Dr. Mandrita Mitra**

$E = m.c^2$

**Date: 21<sup>st</sup> April 2026**  
**Time: 11:30 am onwards**  
**Venue: Multipurpose Hall**

## OBJECTIVES:

- To promote scientific attitude and curiosity among students.
- To encourage learning by doing through experiments and demonstrations.
- To develop critical thinking and problem-solving skills.
- To provide a platform for students to apply theoretical knowledge practically.
- To enhance teamwork and collaboration through pair activities.

## LEARNING OUTCOMES:

- Understand and explain scientific concepts through practical experiments.
- Demonstrate hands-on skills and proper use of materials.
- Work effectively in pairs, showing cooperation and coordination.
- Develop confidence in presenting and explaining ideas.
- Apply scientific knowledge to real-life situations.
- Think creatively and come up with innovative solutions.

## REFLECTION:

The Science Demonstration activity conducted by the F.Y.B.Ed students was an engaging and meaningful learning experience. The theme “*Think. Tinker. Test.*” was clearly reflected in all the experiments, where students actively participated and demonstrated scientific concepts in a simple and effective manner.

Each pair presented their experiment with confidence and clarity. **Huda and Aaliya** explained the concept of atmospheric pressure through an interesting demonstration, helping the audience understand how pressure acts in our surroundings. **Saniya and Pragati** presented “*The Great Lemon Escape*,” which was both creative and informative, showing the application of science in a fun way. **Samina and Aayesha** demonstrated the concept of force, making it easy to understand through practical examples from daily life. **Bushra and Mubashira** performed the “*Magic Milk*” experiment, which attracted attention and effectively explained the role of surface tension.

The activity helped students strengthen their practical knowledge and improved their confidence in presenting scientific ideas. It also enhanced teamwork, communication skills, and creativity among the participants. The audience showed great interest and curiosity, making the session interactive and lively.

Overall, the activity was successful in achieving its objectives. It provided a platform for experiential learning and highlighted the importance of learning science through observation and experimentation. This experience will be valuable for future teaching practices and will help students develop a scientific attitude in real-life situations.

## FEEDBACK FROM STUDENTS:

Samina shaikh “It improved my teamwork, coordination, and communication skills. It gave me confidence to speak in front of others and present their ideas effectively.”

Samiya shaikh “The activity was engaging and helped us understand concepts through practical experiments. It also improved our confidence and teamwork skills.”

### GLIMPSES OF THE EVENT:



**The Great Lemon Escape**



**The Pressure Upon Us**



**Force in Life**



**Milk Magic**

### COORDINATOR

Asst. Prof. Dr. Mandrita Mitra.

Dr. Judy Grace Andrews

### PRINCIPAL