

Title: Experimental Demonstrations for School Students on National Science Day

1. Objectives of the Practice

The primary aim of this practice is to inspire curiosity and foster an interest in science among school students. It aims to bridge the gap between theoretical knowledge and practical application through live experimental demonstrations. By engaging students in science, the practice encourages them to explore the importance of science in everyday life and motivates them to pursue science-related fields.

2. The Context

National Science Day, which commemorates the discovery of the Raman Effect, provides an ideal platform to engage young minds. Many school students lack opportunities for hands-on learning due to limited resources. By offering live demonstrations, the college introduces students to the excitement of scientific inquiry, making abstract concepts more clear and stimulating interest in their careers.

3. The Practice

The institution organizes experimental demonstrations for school students, where faculty and college students perform simple yet impactful experiments. These demonstrations cover various scientific fields, including chemistry, physics, and biology. Experiments are carefully selected to be interactive, engaging, and easy to understand. The sessions also include explanations of the scientific principles behind the experiments. These events are either hosted on campus or conducted in local schools to maximize participation.

4. Evidence of Success

The practice has seen increasing participation from local schools, with students and teachers providing positive feedback. Many students express heightened interest in science, and some show a renewed enthusiasm for pursuing science-related studies.

5. Problems Encountered and Resources Required

Challenges include coordinating with schools, managing large groups, and ensuring adequate resources for demonstrations. To improve the program, the institution needs more lab equipment, materials, and transport support for outreach.

This initiative successfully engages the community and promotes science education.