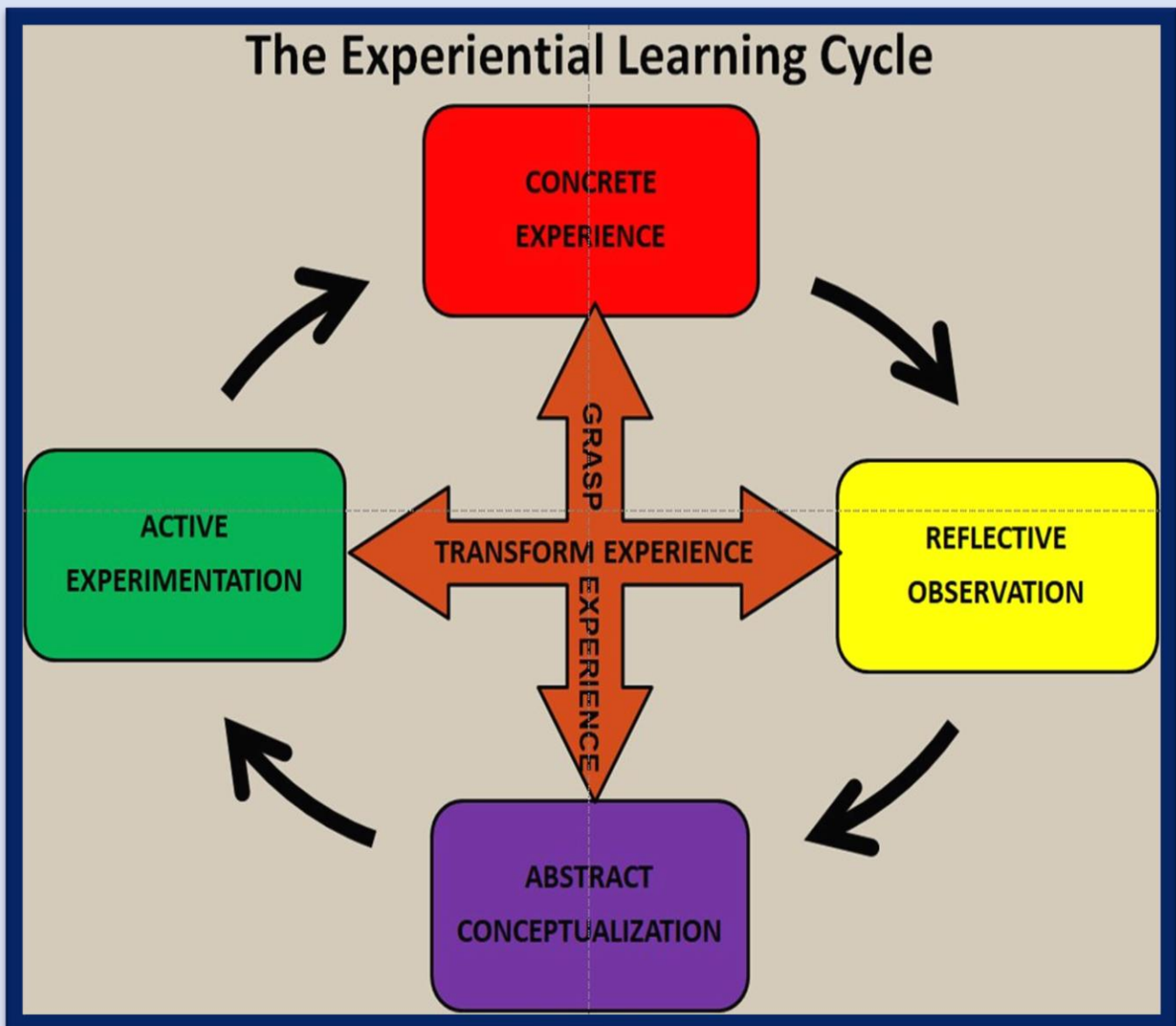


RALLI INTERNATIONAL SCHOOL

SESSION: 2023-24

MONTH: DECEMBER

EXPERIENTIAL LEARNING ACTIVITIES



CLASS -9

PHYSICS

LAB ACTIVITY: TO VERIFY THE LAWS OF REFLECTION OF SOUND

This activity was conducted to assess students' theoretical understanding, creativity and willingness to learn. This activity aimed at verifying the reflection of sound, which helped the students to gain several key learnings such as Experimental Methodology, Data Collection and Analysis, Application of Physics principles, Critical thinking, and problem-solving. The students were able to relate and apply the real-world scenario to their surroundings.

Overall, this activity provided a hands-on experience that reinforced theoretical knowledge about sound waves and reflection and improved the learners' scientific and experimental skills.



Aim - To verify the law of reflection of sound.

Observation table -

i	25°
r	35°
i	40°

HINDI

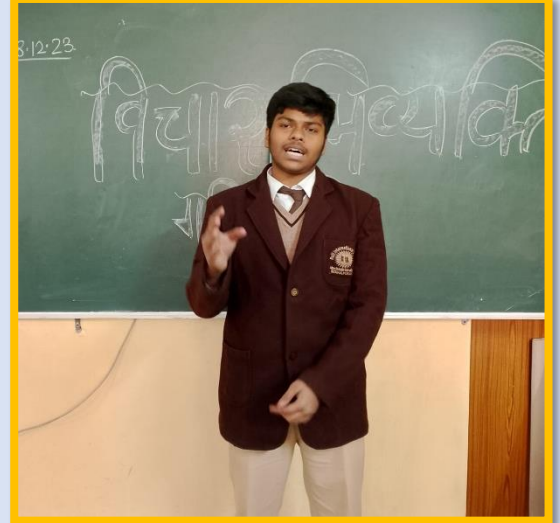
कला समेकित एवं प्रायोगिक ज्ञान से संबंधित गतिविधि

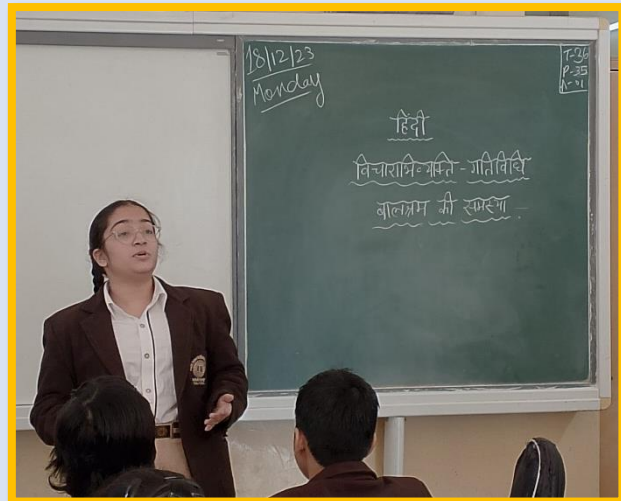
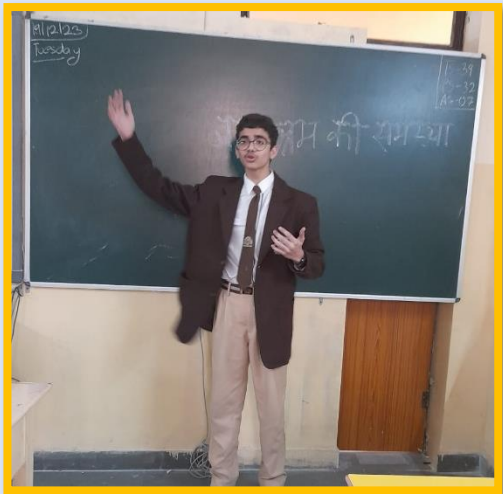
गतिविधि का नाम – विषय संवर्धन गतिविधि

“सरल है, सुबोध है, सुंदर अभिव्यक्ति है, हिन्दी ही सभ्यता, हिन्दी ही हमारी संस्कृति है।”

विचाराभिव्यक्ति प्रस्तुतीकरण

‘बालश्रम की समस्या’ विषय पर दिसंबर माह में विज्ञापन प्रस्तुतीकरण गतिविधि का आयोजन किया गया। प्रत्येक छात्र ने सभी के समक्ष अपने-अपने विचार प्रस्तुत किए। छात्रों ने समय का ध्यान रखते हुए उपर्युक्त गतिविधि को उत्साह पूर्वक और पूर्ण आत्मविश्वास के साथ प्रस्तुत किया। सभी छात्रों के विचार और प्रस्तुतीकरण का तरीका अत्यंत सराहनीय रहा। इस गतिविधि के द्वारा छात्रों में वाचन कौशल का विकास हुआ और आत्मविश्वास में वृद्धि हुई। अपने उत्कृष्ट प्रदर्शन से छात्रों ने सभी का मनोरंजन एवं ज्ञानवर्धन किया।



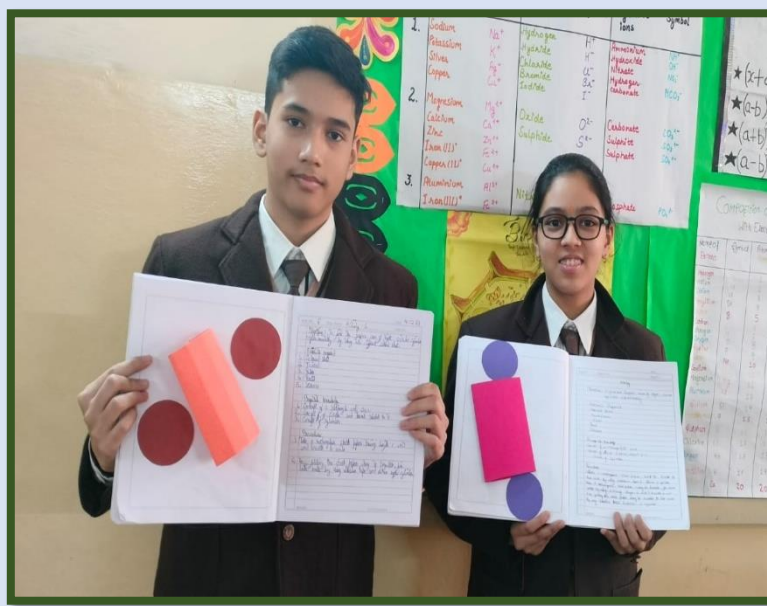
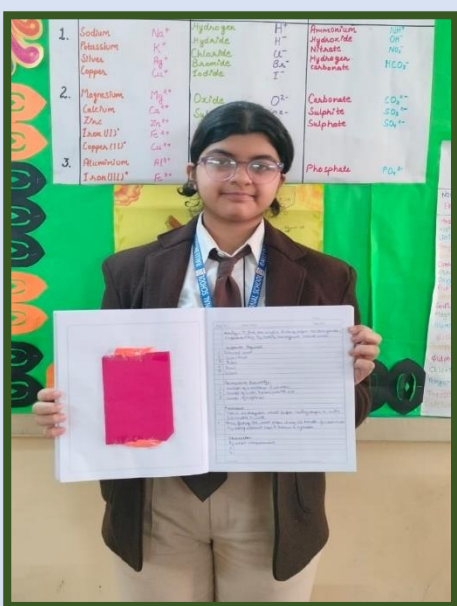


MATHEMATICS

LAB ACTIVITY: TO FIND THE CURVED SURFACE AREA AND TOTAL SURFACE AREA OF A CYLINDER EXPERIMENTALLY

The students derived the formula for the surface area of a cylinder by breaking down into its constituent parts. They gained a deeper understanding of how these components contribute to the total surface area. Not only this, they were also engaged in problem-solving by working through exercises that involved finding the curved surface area. They honed their ability to apply the formula to different scenarios and problem types.

Overall, exploring the curved surface area of a cylinder helped students develop a foundational understanding of geometry, apprised them about how to apply mathematical concepts into real-world situations, and hone their problem-solving



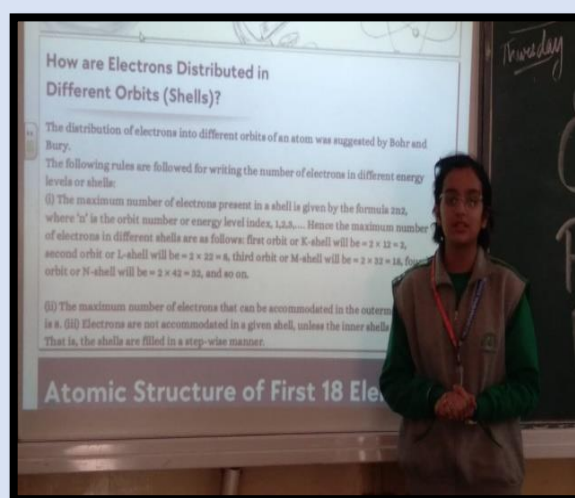
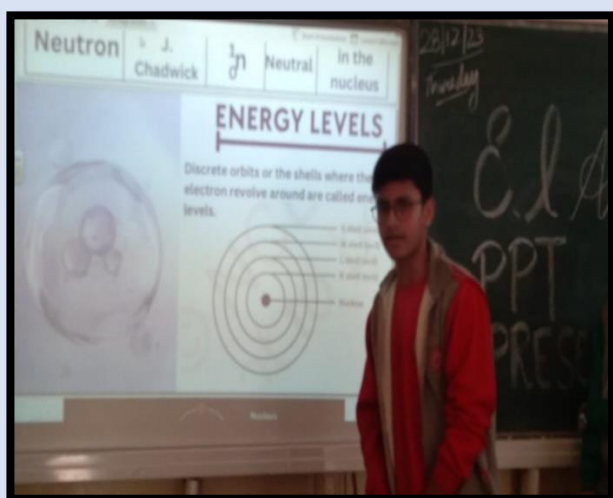
and visualization skills.



CHEMISTRY

ACTIVITY: PPT presentation on Thomson's Model of an atom, Rutherford Model of an atom and Bohr's Model of an atom

The students in group prepared a PPT related to the given topics and presented in the class. The scientists who made the discovery and the methods by which the scientists described the atom's structure were covered by the students in the PowerPoint. The limitations of the Rutherford and Thomson models were also discussed. The quiz administered by the respective team was the most engaging which was taken in high spirits by other teams. It was overall an enriching activity.





CLASS-11

PHYSICS

ACTIVITY: PRACTICAL- DEMONSTRATION WITH LAB VISIT & BY USING THE DEVICE AND COMPONENT

In this activity, the students learnt to arrange the lab instruments during CBSE practical exams and became perfect in calculating the reading and measuring the data. Learning the process to use an instrument and measuring bodies of various sizes, shapes, and



diameters, students gained a hands on experience of Physics lab and various instruments.

