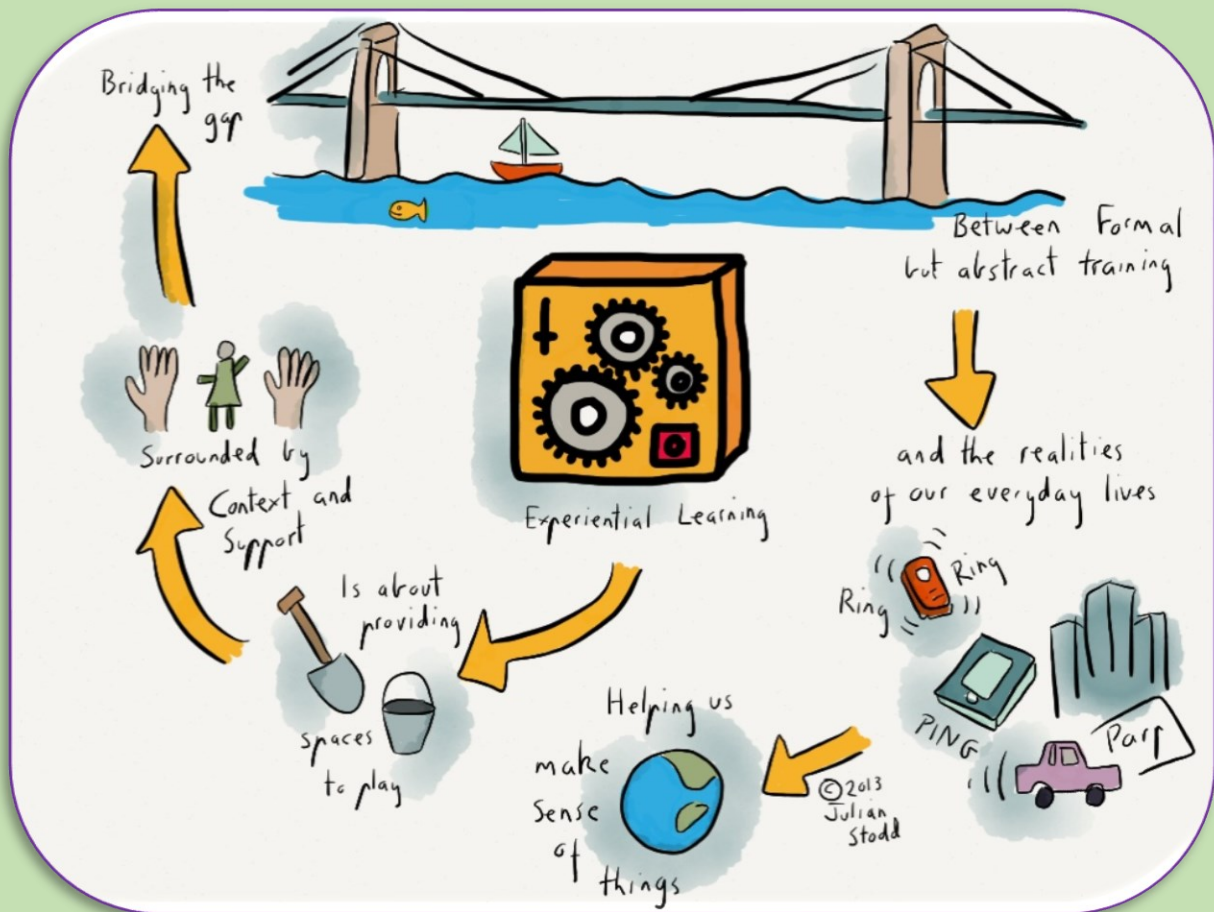


# RALLI INTERNATIONAL SCHOOL

SESSION: 2023-24

MONTH: AUGUST

## EXPERIENTIAL LEARNING ACTIVITIES



*There is an intimate and necessary relation between the process of actual experience and education. - John Dewey*

# CLASS -9

## PHYSICS

### LAB ACTIVITY: TO DETERMINE THE DENSITY OF SOLID

This activity was conducted to assess the theoretical understanding of the students and to assess their creativity and willingness to learn. The students were able to relate the real-world scenario to their surroundings and applications.



## CHEMISTRY

### LAB ACTIVITY: TO STUDY ABOUT PHYSICAL AND CHEMICAL CHANGES

The teacher demonstrated the activity related to Physical and Chemical changes. The experiments such as the burning of magnesium ribbon, reaction of iron filling and sulphur, reaction between zinc and dilute HCL, and reaction between barium chloride and sodium sulphate were manifested. Through these



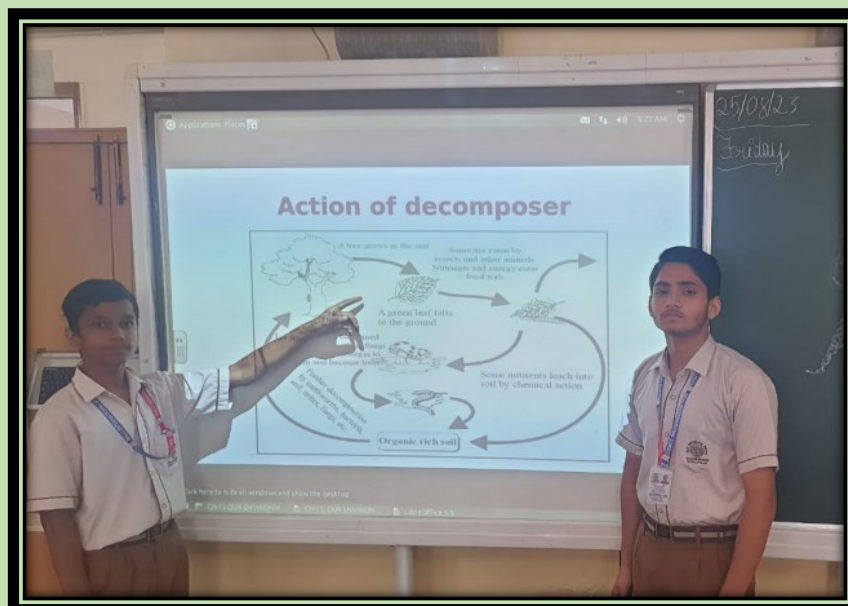
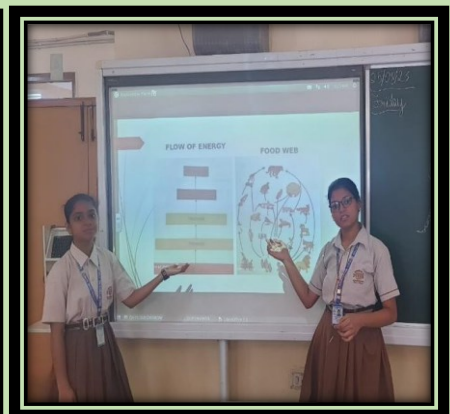
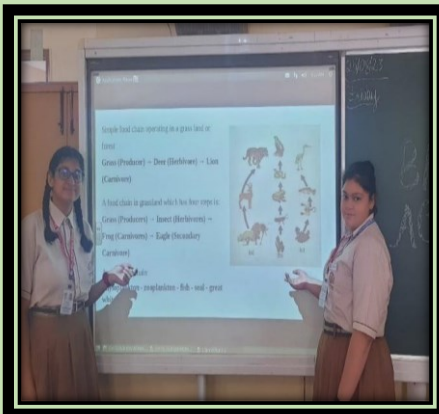
experiments, the students were able to identify the reactions as Physical or Chemical Changes.

## CLASS-10

### BIOLOGY

#### ACTIVITY: KNOW YOUR HABITAT

In this activity, students presented the elements of environment through a PPT presentation. They talked about the components of Food Chain, Food Web, Abiotic Components, and Biotic Components along with their categories and ecologies. The students understood the concepts of Ecosystems, Producers, Consumers, Food Pyramids, and Biomagnification. They participated and exhibited their PPTs enthusiastically.



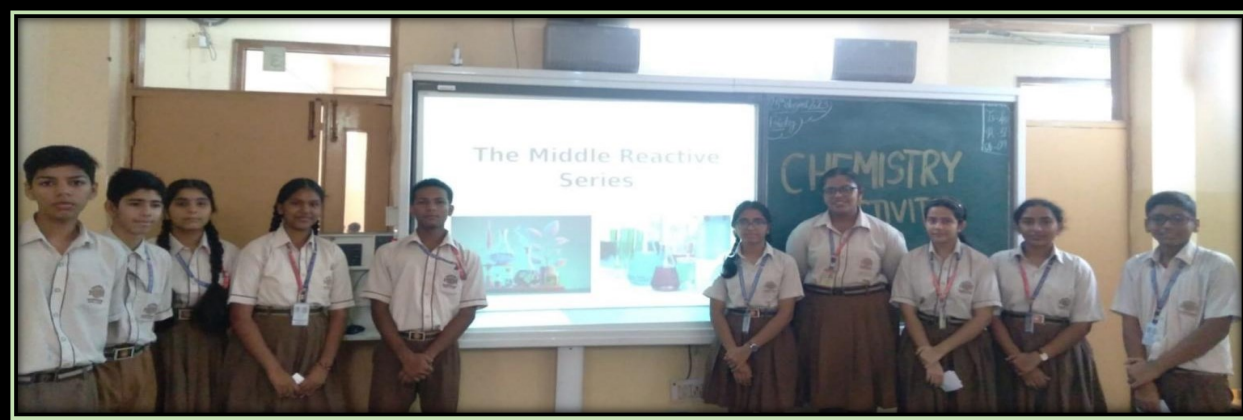
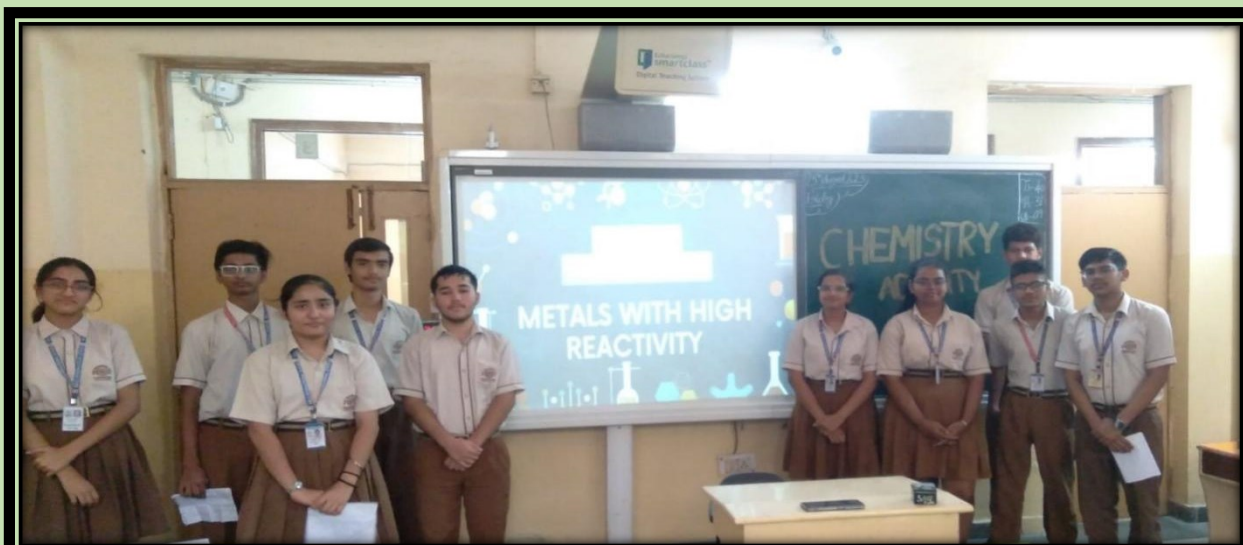
## **CHEMISTRY**

### **ACTIVITY: PPT PRESENTATION**

The students were divided into three groups and each group was allotted the topic based on metals of high, medium, and low reactivity.

Each group presented the given topic in the form of PPT. Students explained the examples of metals that come under the category of metals of high, medium, and low reactivity. They further explained reaction of metals with air, water, metal salt solutions and acids with the help of chemical reactions. Students also explained the uses of some metals coming under a particular category.

Through this activity, students recapitulated the topic taught in the class. To conclude the activity, there was a small questionnaire round.



## HINDI

### कला समेकित एवं प्रायोगिक ज्ञान से संबंधित गतिविधि

#### विषय संवर्धन गतिविधि

- विज्ञापन प्रस्तुतीकरण
- रेडियो जॉकी

अगस्त माह में वाद -विवाद गतिविधि के माध्यम से सभी छात्रों ने विषयानुसार विचाराभिव्यक्ति की और अन्य छात्रों द्वारा पूछे गए प्रश्नों के उत्तर भी दिए। विज्ञापन प्रस्तुतीकरण गतिविधि में छात्रों ने पोस्टर बनाया और उचित हाव- भाव एवं आत्मविश्वास के साथ सभी के समक्ष प्रभावी विज्ञापन प्रस्तुत किया। रेडियो जॉकी

गतिविधि का आयोजन किया गया। इस गतिविधि के अंतर्गत छात्रों की रचनात्मकता अत्यंत सराहनीय रही। अपने उत्कृष्ट प्रदर्शन से छात्रों ने सभी का मनोरंजन एवं ज्ञानवर्धन किया।

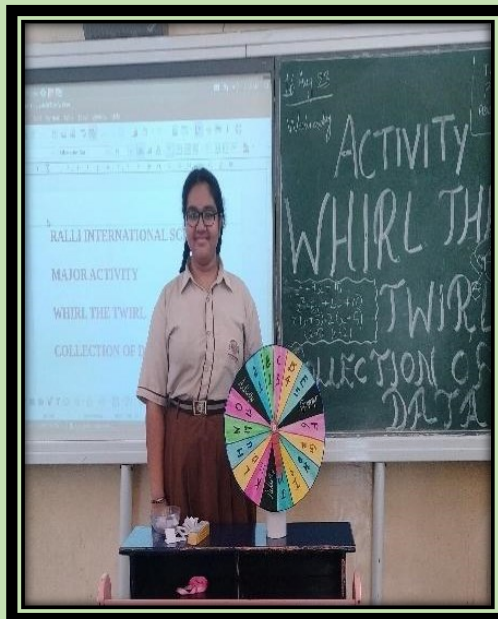




## MATHEMATICS CLASS 9 AND 10

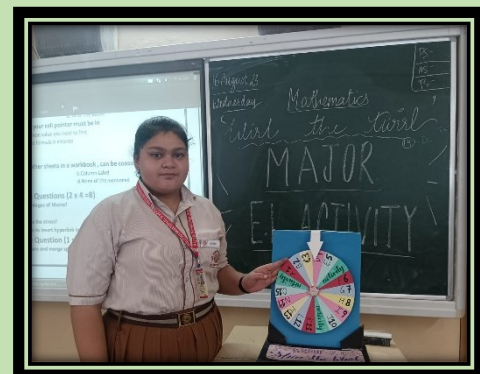
### MAJOR ACTIVITY: WHIRL THE TWIRL

*“Mathematics as an expression of the human mind reflects the active will, the contemplative reason, and the desire for aesthetic perfection. Its basic elements are logic and intuition, analysis and construction, generality and individuality.”*

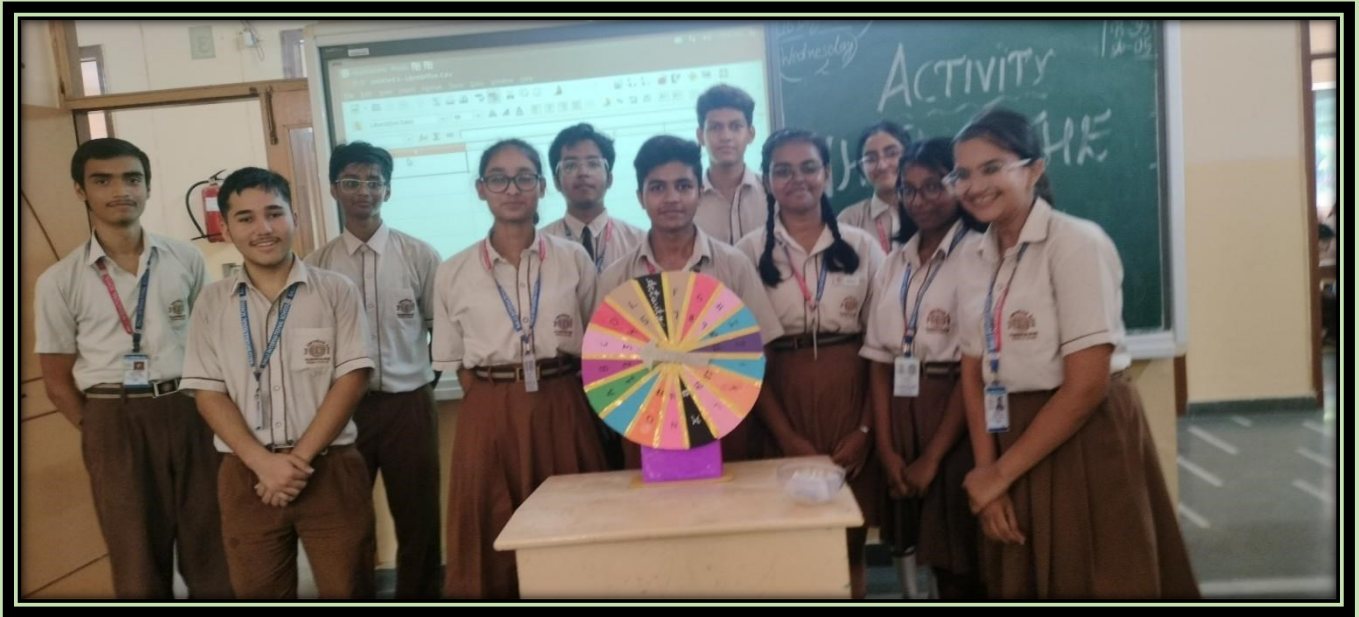


**Mathematics tool kits, activities, and Hands-on experience create opportunities for students to discuss Maths concepts and strategies with their peers. They also help the teachers to enhance the conceptual understanding, procedural fluency, and strategic competence. Keeping this in view, a major activity based on “Statistics and Probability” was conducted for Grades 9 and 10.**

**The students made a spinning wheel using waste materials and a game based on the same was played by them in the class. The**



**data was not only collected but was also analysed and represented in the form of histogram and as a quiz.**



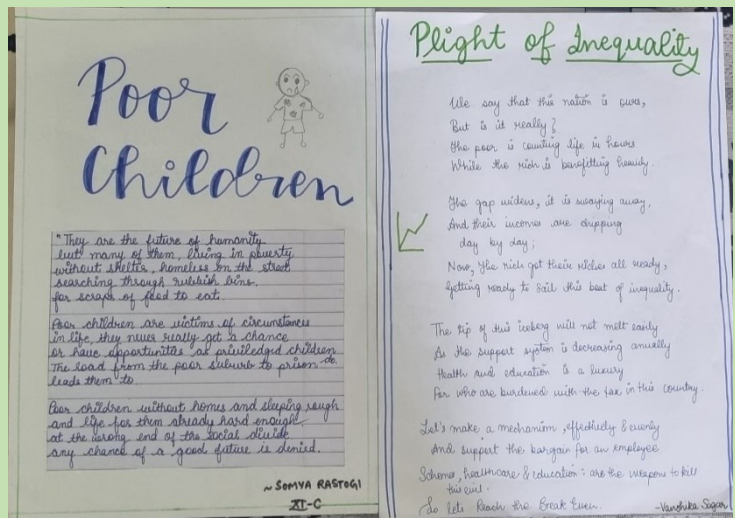
# CLASS-11

## ECONOMICS

### ACTIVITY: SPOTLIGHT FIGHT

Through the Spotlight Fight activity, the students harnessed the principles of both macro and microeconomics to craft impactful posters, evocative poems, and captivating stories. It was a thought-provoking and creative activity. The students not only showcased their adeptness in applying economic concepts to real-world scenarios but also demonstrated their ability to communicate these ideas through diverse mediums.

The students' enthusiastic participation in the Spotlight Fight activity exemplified the successful fusion of academics and imaginative prowess in an engaging and interesting manner.



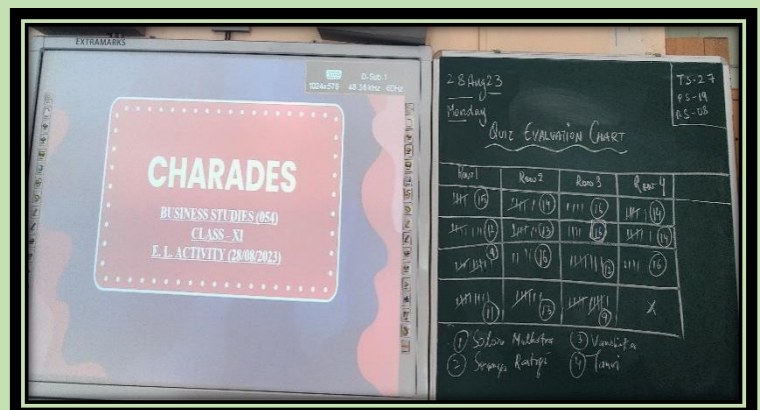




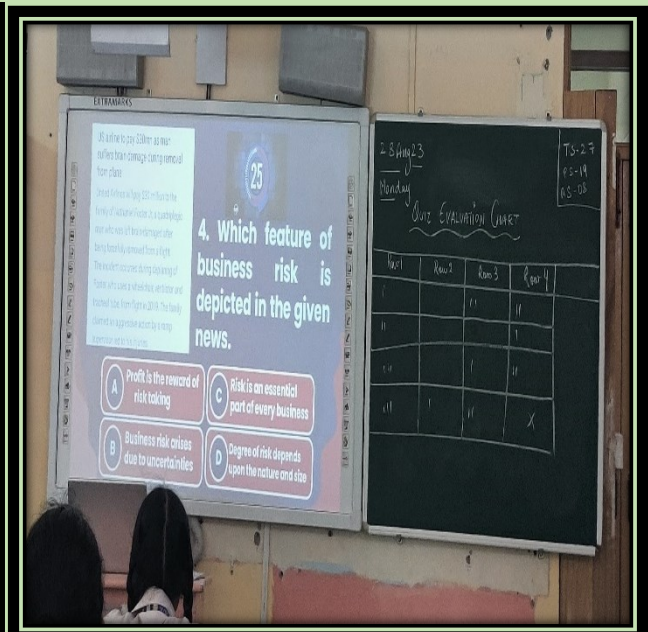
## BUSINESS STUDIES

### ACTIVITY: CHARADES

This fun activity was conducted in Grade 11<sup>th</sup> in the form of a Quiz wherein the students studied the images, watched videos and



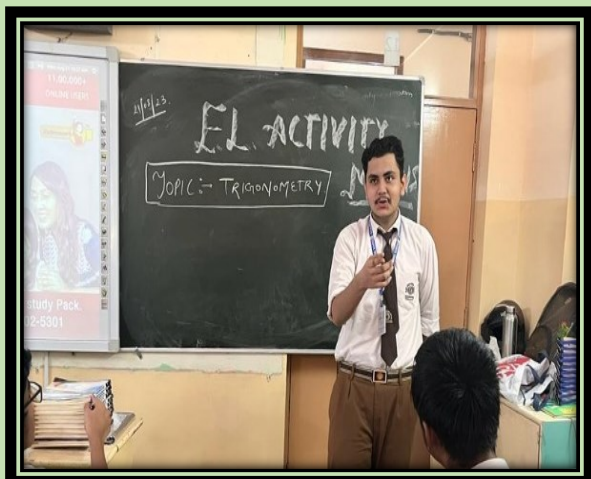
**observed several cases presented to them and responded accordingly. It was a time-bound activity wherein the students were given 50 seconds to answer the quiz. The evaluation chart was prepared by the teacher to assess the students' performance. Through this activity, they were able to relate the Business Studies concepts to real-life situations and develop entrepreneurial skills.**



## **MATHEMATICS**

### **ACTIVITY: CRACK THE CONCEPT OVER TRIGONOMETRY**

The concept of Trigonometry was explained to the students in the form of a group activity. Formula-based questions, MCQ-based questions, and Rapid-Fire rounds were the key elements of the activity. Students took active participation in it and actively s the trigonometrical concepts.



## **PHYSICAL EDUCATION**

### **ACTIVITY: MOTOR FITNESS TEST**

Our young fitness freaks performed push-ups, and partook sit-and-reach test, and half curl to demonstrate their level of physical fitness. The students also ran and walked for 600 metres and 50 metres, respectively. The students realised the importance of endurance, coordination, strength, and flexibility in healthy life.



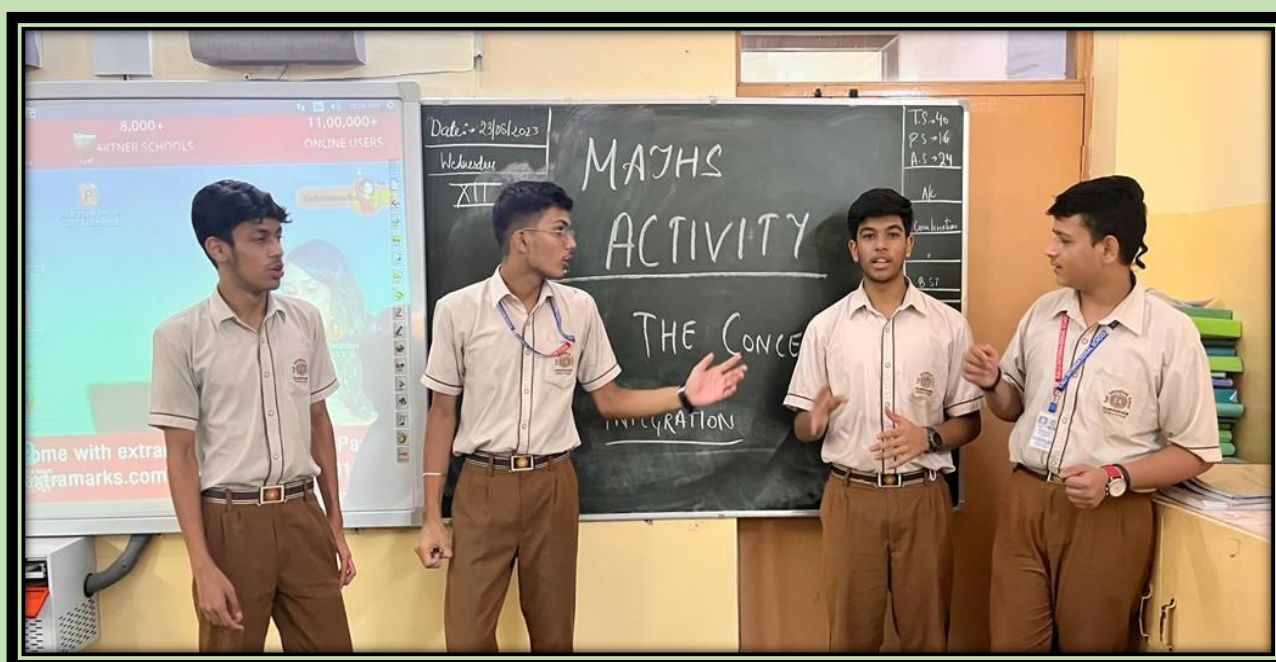
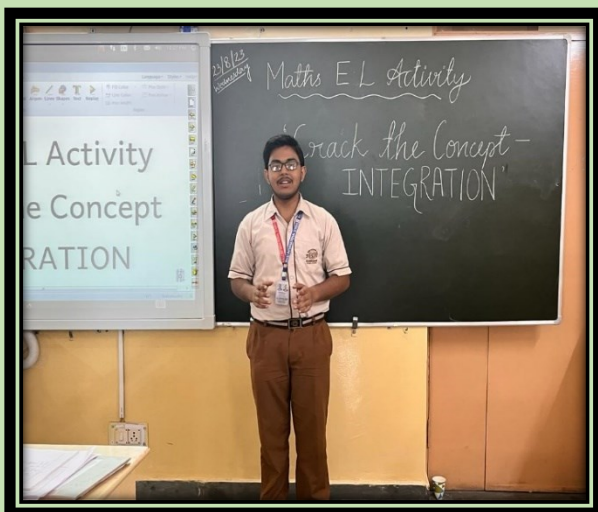


# CLASS-12

## MATHEMATICS

### ACTIVITY: CRACK THE CONCEPT OVER INTEGRATION

The students participated in a group exercise to learn about integration in Maths. This topic is actually the reverse process of differentiation. The Concept of Integration became easy for the students and their knowledge on the topic was enhanced through the amazing brain teaser activity. The main components of this task were formula-based questions, MCQ-based questions, and Rapid-Fire rounds. Students actively participated in it and gave zealous responses.



# SCIENCE FEST

## (FOR CLASSES 11 AND 12)

### MAJOR ACTIVITY

**“The pursuit of science is a never-ending journey into the unknown, fuelled by curiosity and guided by reason.”**

**Innovation and Technological Science Fest was organised in the school premises by the Science Department of Class 11 and 12 to make the students understand that science serves as a source of ideas for new technological possibilities.**



**The integrated Physics, Chemistry and Biology activity for Classes 11 and 12, aimed to foster a deeper understanding of scientific concepts and encourage students to explore the latest research in the field of science.**

**The event comprises of PowerPoint presentations by five groups (of 4-5) based on cutting-edge models and the latest research in the field of science.**

**In the Science Décor segment, the students displayed their creativity and scientific prowess by designing captivating displays.**

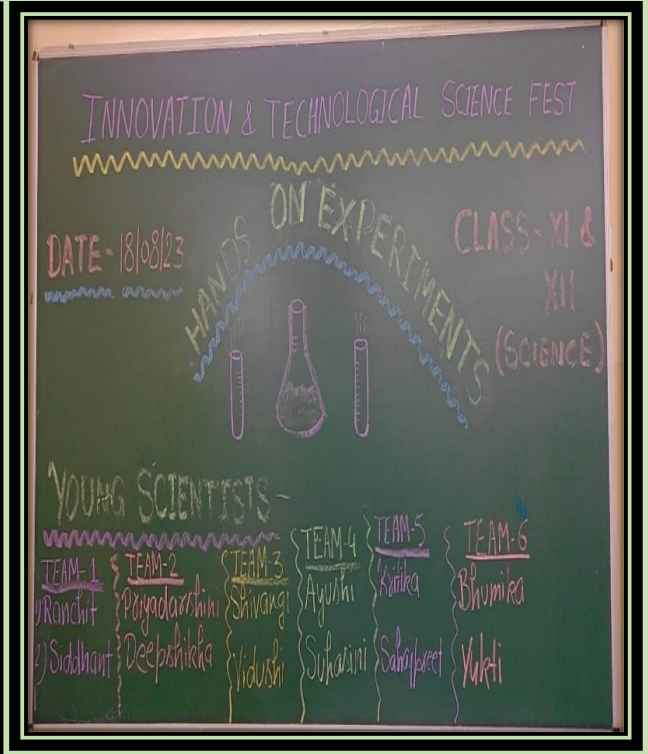
**The highlight of the event was the Rangoli-making activity, where the art was demonstrated through the understanding of organic compounds. The vibrant and intricate Rangoli art was quite captivating.**



**Hands-on experiments took place in the Science Lab wherein the students conducted experiments by bringing scientific theories to life and showed that science is magical yet real.**

**Students were put to the test in the quiz segment held in the auditorium. The dedicated efforts of the decoration team and volunteers added to the festive atmosphere of the event. It was a successful event making the integrated science activity a testament to the commitment and passion of the students. Overall, it was a complete knowledge-packed activity with a spice of joyful learning and endless possibilities that the world of science holds for us.**









## **BUSINESS STUDIES**

### **ACTIVITY: PETaLS (Political; Economic; Technological; Legal and Social environment)**

**In order to make the students understand the dimensions of business studies, an activity was conducted wherein the students were divided into groups and allotted different aspects business environment such as Political; Economic; Technological; Legal and Social. The teams presented the news and current affairs related to the given dimensions and also stated the impact of the allocated environment on business. The students were able to grasp the concept and understood the importance of Business environment for running a smooth organisation and relate the subject with real-life situations.**

