

# **RALLI INTERNATIONAL SCHOOL**

**SESSION: 2023-24**

**MONTH: JULY**

***Glints of Subject-wise Experiential Learning Activities***



**“Experiential learning is a pedagogical method where students learn by doing something. The process whereby knowledge is created through the transformation of experience.”**

**CLASS IX**

**SOCIAL SCIENCE**

**MAJOR EXPERIENTIAL LEARNING ACTIVITY:  
RIMUN'23**

Model UN reinforces what students learn in the classroom. It activates students' imagination and creativity. Through MUN, the students from Grades IX to XII learnt the skills of political analysis and problem-solving during the daylong multiple sessions. Rallians were given the bigger stage to showcase their research and public speaking abilities with passion and conviction. UN Human Rights Commission, DISEC, Lok Sabha, and IP were the roles played by the students. They addressed hot-button issues like deliberation over racial discrimination, deliberation on private ownership of weapons, and Uniform Civil court. The young members through the meme's council included the pun element in the RIMUN session. The International Press Reporters added the cherry on the cake. Overall, RIMUN'23 was a fruitful notion for all the young student leaders.





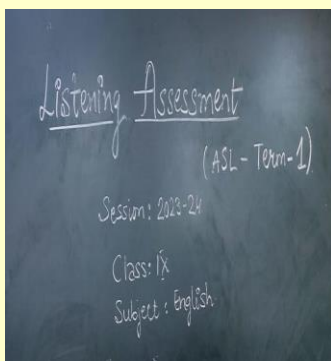






## ❖ ENGLISH

### ACTIVITY: LISTENING SKILLS



The English Listening Skill assessment is used to determine the ability of learners to comprehend spoken English. The English assessment was thus designed to measure students' ability to comprehend diverse listening tasks. It was divided into two components, each of which was aimed to assess distinct areas of the learners' listening abilities. The test was in the form of recorded audios played through the Smart Board, with two conversation-based audios played twice and one worksheet for the same supplied to the students to comprehend in the meantime.





Students in all sections of class IX demonstrated excellent growth in their English listening abilities by applying the prescribed tactics and maintaining a supportive learning environment.

## ❖ CHEMISTRY

### LAB ACTIVITY: TO STUDY THE PROPERTIES OF TRUE SOLUTION, SUSPENSION & COLLOIDAL SOLUTION

Lab activities always excite the students in a progressive way. Through this 'Lab Activity', the students were able to learn about the properties of a true solution, suspension, and colloidal solution. They were able to distinguish between true solution and colloidal solution based on the Tyndall effect, in an easy-going manner. The students were charged to observe how these solutions look different in terms of filtration, transparency, and stability.

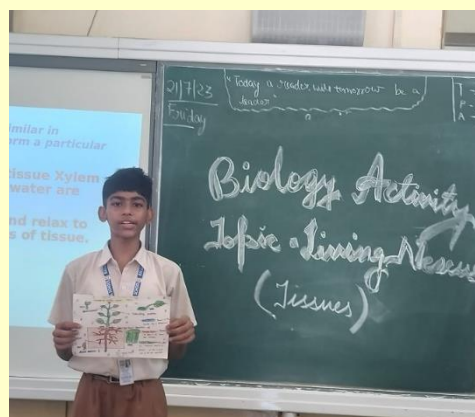


## ❖ BIOLOGY

### ACTIVITY: LIVING NEXUS

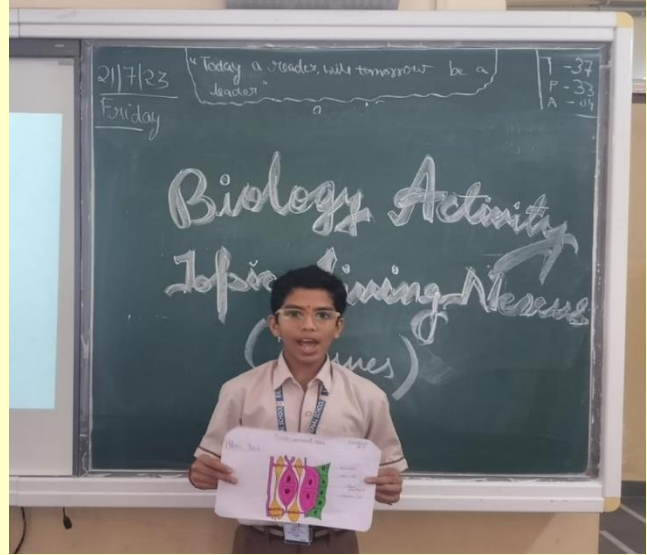
This activity was the exposition of disparate tissues from flora with the aid of Prefabrications/Comic strips/ Clue joining/ Crossword puzzles. Students had presented Meristematic tissue, and Permanent Tissue along with their categories. The main objective of the activity was to assess the students for their presentation skills, voice, eye contact, enthusiasm, and willingness to learn the new concepts.

The students understood MERISTEMATIC TISSUE (apical, lateral and intercalary) SIMPLE PERMANENT TISSUES (parenchyma, collenchyma





and lerenchyma), **COMPLEX PERMANENT TISSUE** (xylem and phloem) **STRUCTURE AND SPECIAL FEATURES** with utmost clarity. All the visible features were already discussed in the class and through the demonstration, their concepts became more refined. The young learners understood the terms of plant tissues. Students participated enthusiastically in this activity.



## ❖ MATHS

### **ACTIVITY: VERIFY THE EXTERIOR ANGLE PROPERTY OF A TRIANGLE, USING DIFFERENT COLOURED SHEETS.**

To make the students understand the exterior angle property of a triangle, an activity was conducted in the classroom. The students used different coloured sheets to form triangles and angles. In this way they were able to solve many geometrical problems easily, using the property of a triangle. Hence, even the tricky topic was visualized by them in a fun frolic manner.





## HINDI

### गतिविधि का नाम - वाद -विवाद प्रस्तुतीकरण

हिंदी मुख्य गतिविधि के अंतर्गत ऐसे ही खूबसूरत भावों का प्रस्तुतीकरण कक्षा नर्वी के विद्यार्थियों ने वाद -विवाद गतिविधि द्वारा किया और अपने -अपने विषयानुसार सभी को जागरूक किया | छात्रों का यह प्रयास सफलतापूर्वक संपन्न हुआ व अत्यंत सराहनीय रहा| अपने उत्कृष्ट प्रदर्शन से छात्रों ने सभी का मनोरंजन एवं ज्ञानवर्धन किया।





## CLASS 10

### ❖ BIOLOGY

#### ACTIVITY: ANALYZE BINARY FISSION IN AMOEBA & BUDDING IN YEAST WITH THE HELP OF SLIDES

The aim of this activity was to assess the identification, observation, teamwork and willingness to learn. Students perfected the art of observing the slides. They visualized the ASEXUAL REPRODUCTION in Amoeba (Binary fission) and structure of Dicot Seed (Cotyledons, plumule and radicle). All the visible features were already demonstrated to the learners and their concepts were refined through this lab activity. Students acknowledged the technical terminology related to the slides too.



### ❖ PHYSICS

#### LAB ACTIVITY: TRACE THE PATH OF LIGHT RAYS

To assess the theoretical understanding of the students and to enhance their creativity, a Lab Activity was conducted to trace the path of light rays passing through a rectangular glass slab for different angles of incidence and to find the angle of deviation for a prism by plotting the emergent ray for a given incident ray. Students were able to relate their knowledge with real-world scenarios in their surroundings and their applications. The activity was very engaging and captivating.



### ❖ CHEMISTRY



## LAB ACTIVITY: TO STUDY ABOUT THE REACTIONS OF DIFFERENT METALS WITH THEIR SALT SOLUTIONS

Through this Lab Activity, the students were able to study the reactions of different metals with their salt solutions. In no time, they learned about the formation of products with the help of single displacement reactions. The learners were curious to see the reaction of aluminium with iron sulphate and zinc sulphate.



## CLASS 11

### ❖ ENGLISH

## ACTIVITY: RADIO JOCKEY SHOW

To cater to the overall personality enhancement and understanding of Grade XI students, a Radio Jockey Show was organized by the learners as a part of their EL activity. The students were divided into groups where some of them enacted the role of psychologists and demonstrated a talk show. Some of the students performed as renowned authors and famous characters and presented a talk show. The most entertaining part of this day long activity was the commercial breaks which startled everyone with the creativity of the





young minds. It was an enchanting presentation with commendable teamwork represented by the students.



## ❖ **BUSINESS STUDIES**

### **ACTIVITY: CREATION OF AN MOA (Memorandum of an association)**

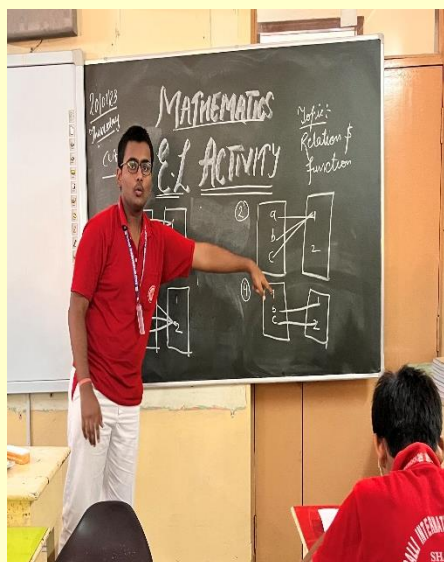
This visioned activity was conducted for the students of the Commerce department. The learners were asked to create a Memorandum of Association, a legal document required for the formation of a company. The students were given a choice to create a Private or Public Company. Students turned up with different creative ideas in which they created their companies' MOA in groups. The students participated in this activity in groups with full vigour.



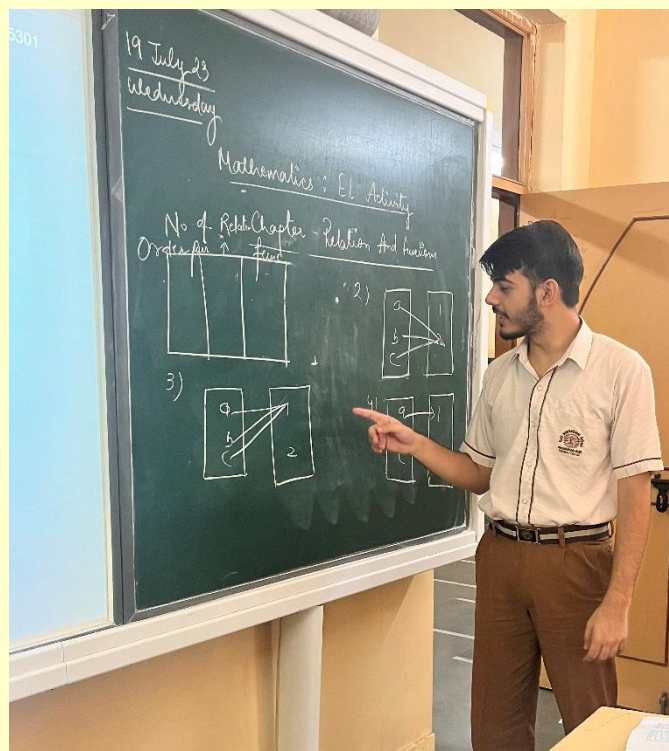
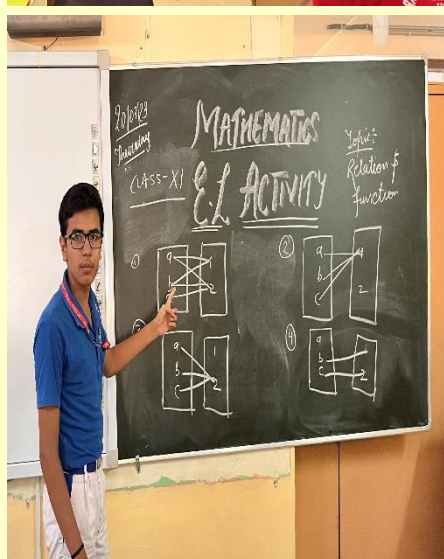


❖ **MATHS**

**ACTIVITY: UNDERSTANDING THE DIFFERENCE BETWEEN RELATION AND FUNCTION**



Mathematical concepts are generally complex to understand but the school takes the initiative to make the students understand the complex concept in an easy way. Through this activity, the students learnt the concept of Relation and Function. Different conditions of ordered pair were given to them to check which pair satisfy the condition of relation as well as function. Students took a keen interest in the activity as they could relate it with real life too.



## ❖ CHEMISTRY

### LAB ACTIVITY: TITRATION

By keeping the importance of creativity and experiments in mind, a Lab Activity was conducted in the Chemistry lab. The topic was titration in which the students calculated the concentration that is molarity and strength of sodium hydroxide using M/20 oxalic acid whose concentration was known. The active participation by the students was correlated with discrete inquiries about the experiment that they asked. The young learners with scientific temperament followed the entire procedure without making any errors.





## ❖ BIOLOGY

### LAB ACTIVITY: PREPARATION & STUDY OF T.S. OF DICOT AND MONOCOT ROOTS AND STEM

The major goal of the activity was to evaluate the students' performance, presentation, neatness of work, identification, observation, teamwork, and readiness to learn skills. Students created the slides on their own. They were able to comprehend the importance of thinness and uniformity of transverse sections for the clarity of the slides by constructing them themselves. They were familiar with the cellular structures (Anatomy) of Dicot Stem, Dicot Root, Monocot Stem, and Monocot Root. The ground tissue, starch sheath, and vascular bundles of dicot and monocot stems were easily distinguished by children. Students could also tell the difference between dicot and monocot roots (taproot and fibrous root) by the number of vascular bundles and xylem morphology. All of the visual aspects had already been reviewed in class, and their concepts were improved throughout the demonstration. Students participated enthusiastically and enjoyed performing the experiment.



## CLASS 12

### ❖ CHEMISTRY

#### LAB ACTIVITY: CHROMATOGRAPHY

In this activity, the students used chromatography paper which is a stationary phase and separated the ions or pigments present in the given mixture (sample). The learners used the mobile phase also to separate the components based on the principle of solubility. After performing the chromatography, the young learners developed a chromatogram on which they observed the components of the mixture clearly and after that, they calculated the Rf values of all the spots. Through this activity, they learned the importance of this separation technique in medical field and developed a scientific aptitude.



### ❖ MATHS

#### ACTIVITY: UNDERSTANDING THE CONCEPT OF MAXIMA AND MINIMA

The students were introduced to the notion of Maxima and Minima through an engaging activity in which they were given a piece of board and an A4 size sheet. They created an open box of rectangular sheet by cutting off each corner according to the specifications provided. It was an interesting activity in which the students learned how to maximise a term at the lowest possible expense.



