

RALLI INTERNATIONAL SCHOOL

REPORT OF EXPERIENTIAL LEARNING ACTIVITIES

CLASSES VI - VIII

NOVEMBER 2023

MATHS

CLASS VI

TOPIC: Area of a Rectangle

ACTIVITY: To verify the formula for the area of a rectangle

INDIVIDUAL ACTIVITY



In geometry, the concept of area in a two-dimensional or three-dimensional figure helps us find the amount of space occupied by them. For example, for the given rectangle, the amount of color required to fill the rectangle can be found by determining its area. Alternatively, the space within the perimeter of the rectangle is the area of a rectangle. This lab activity helped the students verify the formula to find the area of the rectangle using matchsticks and the grid formed using the blocks within. With the help of

this activity, students were able to derive the formula of the area of a rectangle through activity-based learning and practically apply it to the space occupied by the matchstick blocks. It was an excellent way of using the kinesthetic skills and derive the mathematical concept of area.

CLASS VII

TOPIC: Area of a Parallelogram

ACTIVITY: To show that the area of a parallelogram is equal to the product of its base and corresponding height

INDIVIDUAL ACTIVITY



In this activity, students used coloured glazed paper to draw parallelograms and cut them. Then they drew an altitude from a vertex to its opposite side.

When they cut it, it was converted into two figures: one was a triangle, and other was a trapezium. Later on, they joined the two figures in such a way that it formed a rectangle.

As the two shapes occupied the same area i.e., the area of the rectangle and the area of the parallelogram came out to be the same.

Hence, students derived that the area of a parallelogram is equal to the product of its base and corresponding height.



CLASS VIII

TOPIC: Direct and Inverse Proportions

ACTIVITY: To check the direct proportionality of perimeter and area with the side of square

INDIVIDUAL ACTIVITY



“The only way to learn Mathematics is to do Mathematics”

Activity based on direct and inverse proportions was conducted successfully by students of Class VIII.

Students cut five squares having different dimensions from a grid sheet and calculated their perimeter and area by counting and proving that the side of the square was in direct proportion to the perimeter of the square but not to the area of the square.

The activity was fruitful for the students. They were able to understand the concept of direct and inverse proportion.

SCIENCE

CLASS VI

TOPIC: Movement of Joints

ACTIVITY: To show that movement of a part is possible only where two bones meet

INDIVIDUAL ACTIVITY

Students were very excited about this activity. They tied the stick on their hand and they were not able to move their arm as the joint movement was restricted.



CLASS VIII

TOPIC: Combustion and Flame

ACTIVITY: Water is Rising Up

INDIVIDUAL ACTIVITY

Students were asked to bring a bowl, a candle, and a glass. In the class itself, they were asked to burn the candle under the supervision of the teacher and paste it on the plate, and cover it using glass. Students found that the level of coloured water rose depending on the level of carbon-dioxide present inside the jar.

SOCIAL SCIENCE

CLASS VI

TOPIC: SDG – 1 No Poverty and SDG – 2 Zero Hunger

ACTIVITY: Slogan Writing

INDIVIDUAL ACTIVITY

The activity was conducted in both online and offline mode. Students wrote the slogan on any one of the topics by using their imagination and creativity. They demonstrated the ways and needs of how to achieve the goal of Zero Hunger and No Poverty.



CLASS VII

TOPIC: Gender Equality (SDG-5)
Female Role Models

ACTIVITY: Story Writing or Poem Recitation

INDIVIDUAL ACTIVITY

Students had to write a story or recite a poem on any of the given topics such as Being a man or a woman, division of work in the household, etc. They learnt the importance of gender equality. Students used stories and poems as a tool to highlight the achievements of women in different fields despite hardships and stereotypes. Fascinatingly, they created stories about real life female heroes like Gunjan Mehta, Sudha Murthy, and many others. Students understood the challenges faced by women in different fields and appreciated their achievements.



CLASS VIII

TOPIC: Social Justice
ACTIVITY: Poster-making for underprivileged groups in India

TOPIC: Government Schemes for Tribal Groups

ACTIVITY: Critical evaluation of the schemes
INDIVIDUAL ACTIVITIES

The students showed their artistic abilities through posters wherein they expressed their feelings in the form of a sketch and through quotations. All the students participated with full zeal and performed well.

These activities gave a platform to the students to showcase their talent through posters and PPTs which gave a message to society regarding



social justice and the contribution made by the Government. Activities provided visual, colourful, simple ways to communicate messages about social justice and also helped students to critically evaluate the schemes drafted by the government for the welfare of the tribal groups.

SANSKRIT

CLASS VI

गतिविधि: गीता श्लोक वाचन

एकल गतिविधि

कक्षा 6 के दो वर्गों(C,D) में यह गतिविधि हुई। छात्रों ने कक्षा में संस्कृत में गीता के श्लोकों को अपनी इच्छा एवं समझ के अनुसार चुनकर कंठस्थ कर वाचन किया। विद्यार्थियों ने इस गतिविधि में उत्साहित होकर भाग लिया। कुछ छात्रों का लेखन कला से परिपूर्ण था। कुछ छात्रों ने श्लोक केवल बोले और कुछ छात्रों ने गीता श्लोक गायन लयात्मकता पूर्वक किया। छात्रों के उच्चारण पर विशेष ध्यान दिया गया। इस गतिविधि से छात्रों में कलात्मक शैली, विचारात्मक शैली और वाचन शैली का विकास हुआ।



CLASS VI

गतिविधि: गीता श्लोक वाचन

एकल गतिविधि

कक्षा 7 के दोनों वर्गों(D,E) में यह गतिविधि हुई। छात्रों ने कक्षा में संस्कृत में गीता श्लोक वाचन किया। छात्रों ने इस गतिविधि में उत्साहित होकर भाग लिया और श्लोक गायन लयात्मकता और लेखन कलात्मकता पूर्वक किया। श्लोकों का चुनाव छात्रों ने अपनी भावना और समझ के अनुसार किया। कुछ छात्रों ने पीपीटी बनाई, तथा उसे स्मृति शलाका के द्वारा, कक्षा में स्मार्ट बोर्ड पर प्रस्तुत करते हुए वाचन किया। इस गतिविधि से छात्रों में क्रियात्मक, भावनात्मक, संवेदना, नैतिकज्ञान, स्पष्ट शब्दोच्चारण और आत्मविश्वास इत्यादि में वृद्धि हुई।



CLASS VIII

गतिविधि: गीता श्लोक वाचन एकल गतिविधि

कक्षा 8 के दोनों वर्गों(D,E) में यह गतिविधि हुई। छात्रों ने कक्षा में संस्कृत में गीता श्लोक वाचन किया। छात्रों ने इस गतिविधि में उत्साहित होकर भाग लिया और कुछ छात्रों के द्वारा श्लोक गायन लयात्मकता पूर्वक किया गया। श्लोकों का चुनाव छात्रों ने अपनी मनोवृत्ति और विचारों के अनुकूल किया। कुछ छात्रों ने पीपीटी बनाई और उसे कक्षा में प्रस्तुत किया। उन्होंने स्मार्ट बोर्ड पर प्रस्तुतीकरण और वाचन किया।

इस गतिविधि से छात्रों में ध्यान, नैतिकज्ञान, स्पष्ट शब्दोच्चारण और आत्मविश्वास में वृद्धि हुई।



COMPUTER SCIENCE

CLASS VII

TOPIC: HTML

ACTIVITY: Debugging in HTML

INDIVIDUAL ACTIVITY
(SEA-II)

Students were asked to find out the errors in the given HTML code and type the correct code using a text editor. Students observed the seamless rendering of their web page in the browser, reinforcing their understanding of proper coding practices. This practical exercise provided valuable hands-on experience in troubleshooting and web development. Students saved the file with the .html extension and showed the updated web page in a web browser.