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Cherries

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CHERRIES - ISSUE 216



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**#1**

G20-Ayabhatta Ganit Challenge - Mathematics for enabling a better world

Ms. Kamatchi. S (Middle & Senior School Math Educator)

Aim: This event aims to promote mathematical thinking and problem-solving skills among students in Grades 7 and 8 through various engaging activities such as PPT presentations, role plays, or dramatization. Let's look into the reflections of the students from different grade levels.

Arya of Grade 7:

We, Grade 7, have been disappointed that the society thrives mathematics is hard, so we researched various mathematical topics which we haven't learnt yet and explained it in front of our classes. Our thirst for learning mathematics was a lot out that day.

We were divided into groups and given topics and were asked to speak by our mathematics educators. We chose topics such as Linear equations with 2 variables, Pythagoras Theorem and Mathematics in sports like Football and Badminton. Everyone was eagerly waiting for this Math class to come. It was fun learning things we haven't learnt in class yet. I felt the day was fulfilled, and yet my thirst for the subject will never be quenched.

Students of Grade 8:

We, the students of grade 8, have performed a skit based on how mathematics relates to Architecture. This activity was performed to enhance the thinking power of the students.

We learnt how to write scripts, to work as a team and how mathematics is connected to real life. We chose the topic glass pyramid and explained about the structure, properties of various shapes and the formula to calculate area and perimeter for pyramid.

Sarveshwaran of Grade 8:

I presented a PPT, where I divided the ocean of mathematics into streams. I explained Algebraic Expressions and equations. We went through small streams such as terms, coefficients and real-life connections of mathematics.

These activities helped the children to get in touch with the real-life connections to Mathematics and promoted their problem-solving abilities.



#2

ALGEBRAIC IDENTITIES

Ms. Kamatchi. S (Middle & Senior School Math Educator)



The students delved into the captivating realm of algebraic identities. Algebraic identities are like puzzles that offer us a way to manipulate mathematical expressions, revealing hidden connections and simplifying complex equations.

Through this presentation, the students unraveled some fundamental algebraic identities, explored their applications, and highlighted their significance in various mathematical and real-world contexts.

Defining Algebraic Identities: Algebraic identities are mathematical equations that hold true for all values of the variables involved. They serve as powerful tools in algebra, enabling us to transform, simplify, and solve equations with elegance and efficiency.

Algebraic identities, often referred to as the "magic" of mathematics, play an essential role in both theoretical and practical aspects of our lives. They empower us to manipulate and analyze mathematical expressions with precision and creativity.

The eighth graders took a journey into the elegance and utility of algebraic identities, fostering a deeper understanding of the intricate patterns that underlie the world of numbers.



#3

Addition and Subtraction of Integers using Counters

Ms. Bharathi Selvakumar (Middle School Math Educator)



An integer is a collection of counting numbers (Natural numbers) including zero and negative numbers. We use Integers in our daily lives during the calculation of profit/ loss, measuring the distance with respect to sea level, determining the temperature, calculating the distance travelled, and many more such examples.

Students of Grade 6, as a part of learning, did counter activity to find Addition & Subtraction of Integers. It engaged our students in fun, active rehearsal of addition and subtraction with integers. It helps the students to develop a concrete understanding of addition by physically manipulating counters. Working with counters in groups encourages collaboration and the exchange of ideas, allowing students to learn from each other's approaches.



#4

Math Art Integration Activity

Ms. Bharathi Selvakumar (Middle School Math Educator)



Tessellation art can be used to teach about shapes, angles, transformations, and congruence.

Art integration is an approach in which students actively take part in learning through an Art form. It engages students which triggers their creativity connecting Math with Art, attaining objectives in both.

Students of Grade 5, as a part of their learning, did an Art integration activity to find the factors for the given number. Two different activities were assigned for the students based on their interest. Students made attractive Factor trees and Factor rainbow. This increased student engagement by making learning more enjoyable and interactive.



#5

HEAR ME PLAY

Ms. Saradha Gopi & Ms. Srividya Acharya (Grade 2 Global Perspective Educators)



“Music is the Universal Language of Mankind “.

Music is an emotion, which connects our soul and shows our state of mind. Music in Global Perspective introduces aspects of the discipline of ethnomusicology with a particular focus on musical sound and performance.

It covers styles of teaching and learning cross-culturally, including approaches to teaching world music in the classroom.

The learners of Grade 2 had an opportunity to get closer to music, as we have integrated music from Global perspective. Children interpret well with a story (watching videos). When the story is about music, it brings their heart closer to the thought of playing it and they feel it is a divine way to tell beautiful, poetic things to their heart. The learners now understand there are different types of instruments which brings out music.



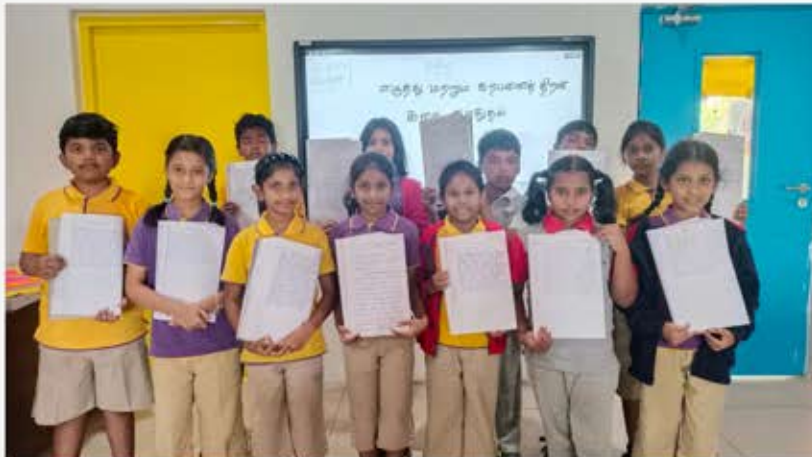
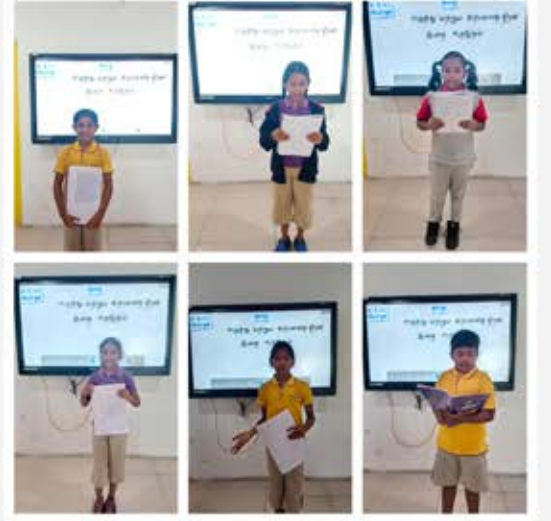
#6

கதை எழுதுதல்

Ms. Bharani Chitra (Grade 5 Tamil Educator)



இயல் 2. புத்தகப் பயிற்சியில் கொடுக்கப்பட்டுள்ள குறிப்புகளைப் பயன்படுத்தி மாணவர்கள் தங்கள் கற்பனைத் திறனில் ஒரு கதை எழுதி வர வேண்டும் என்று அறிவுறுத்தப்பட்டார்கள் . மேலும் கதை எழுதிய பின் அக்கதைக்கு ஏற்றார் போல ஒரு தலைப்பையும் அவர்கள் தரவேண்டும் என்றும் அறிவுறுத்தப்பட்டார்கள். மாணவர்கள் அனைவரும் மகிழ்ச்சியுடன் குறிப்புகளைக் கொண்டு கதைகளை எழுதி வந்தார்கள். மாணவர்கள் ஒவ்வொருவரும் தாம் எழுதிய கதைகளுக்கு வேறு வேறு தலைப்புகள் இட்டு ஆசிரியரை ஆச்சரியப்படுத்தினர். மேலும் மாணவர்கள் ஒவ்வொருவராக தான் எழுதிய கதையை வகுப்பறையின் முன் வந்து வாசித்தார்கள் . சில மாணவர்கள் தானே கதை கூறியும் வகுப்பறையை உற்சாகப்படுத்தினர். இவ்வாறு மாணவர்கள் தங்கள் கதையை வாசிக்கும் போதும் கதையை கூறும் போதும் பிற மாணவர்கள் அமைதியாக இருந்து மாணவர்களும் மாணவர் கூறும் கதையையும் கவனித்தார்கள். இதனால் மாணவர்களுக்கு கற்பனைத் திறனும் எழுத்து திறனும் அதிகரிக்கும். மேலும் பிற மாணவர்கள் வாசிக்கும் போதும் கதை கூறும் போதும் மற்ற மாணவர்கள் கூர்ந்து கவனிப்பதால் மாணவர்களின் கவனித்தல் திறனும் மேம்படுகிறது.



#7

वाद्य यंत्रों से पहचान:

Ms. Seema, Ms. Srividya & Ms. Ankita (Hindi Educators)



आवाद्य यंत्र का इस्तेमाल मुख्य तौर पर संगीत की धुन तैयार करने के लिए किया जाता है। इसके बिना कोई भी संगीत तैयार हो ही नहीं सकता है। वर्तमान समय में हम जो इतने अच्छे अच्छे संगीत सुन पाते हैं, इसके पीछे सबसे ज्यादा योगदान किसी चीज़ का है तो वह वाद्य यंत्रों का ही है। हमारी कक्षा २ के छात्र अपने पाठ नन्ही संगीतकार में यही सीख रहे हैं। यह गतिविधि छात्रों को विविध प्रकार के वाद्य यंत्रों से परिचित कराने के लिए की गई। इस गतिविधि में छात्रों को म्यूजिक रूम में लेजाया गया और उनके संगीत के अध्यापक और अध्यापिका ने उन्हें हर एक वाद्य यंत्र से संबंधित जानकारी दी जैसे – यह कौनसा यंत्र है? उसे किस बजाया जाता है? उन्होंने छात्रों को आधुनिक वाद्य यंत्रों के बारेमें भी बताया। इस गतिविधि के दौरान छात्रों में बहुत उत्साह दिखा। वे पूछे हुए प्रश्नों के उत्तर देने में भी सक्षम रहे। इस गतिविधि का उद्देश्य यही था की छात्र वाद्य यंत्रों के बारेमें अधिक से अधिक जानकारी प्राप्त करें। इस गतिविधि में संगीत, ग्लोबल पर्सपेक्टिव और हिन्दी को संघटित करके किया गया था।



#8

CREEPY CRAWLIES

Ms.Sivaranjani S (Nursery Educator)



Our Nursery students are learning about creepy crawlies- insects this month, they visited the school garden for insect exploration after a thrilling and exciting visit to the garden kids were able to identify ants, bugs, butterflies, worms etc. This visit to the garden activity helps the little explorer's to do different painting and printing activities. Finger Painting - Using their fingers, the kids painted different types of insects, including ladybugs, honeybees, spiders, butterflies, caterpillar etc. Printing with Q tip sticks is a great activity for kids to explore creatively and imaginatively as they create freely using simple props in an open ended and unstructured way. It also makes a great sensory activity as our children use their hands to manipulate the paint to create patterns and prints a beautiful butterfly onto paper. They all seemed excessively excited and engrossed while doing these activity. Please find the glimpses of activities conducted throughout the week.



#9

Life Cycle of a Seed

Ms. Shahana (Junior Kindergarten Educator)



Our young learners are learning about our Superheroes, the farmers, and their tireless efforts to bring healthy food to our table everyday. They learned about the plant's lifecycle and participated in a seed surgery activity where they learned about the elements of a seed and how the small embryo within the seed matures into a plant. They undertook a gardening project in which they planted multiple seeds as part of their extended learning. Our little observers are now eagerly awaiting the results of their seed activity.



#10

TRAVELLING TO CHINA

Ms. Sarala B (Senior Kindergarten Educator)



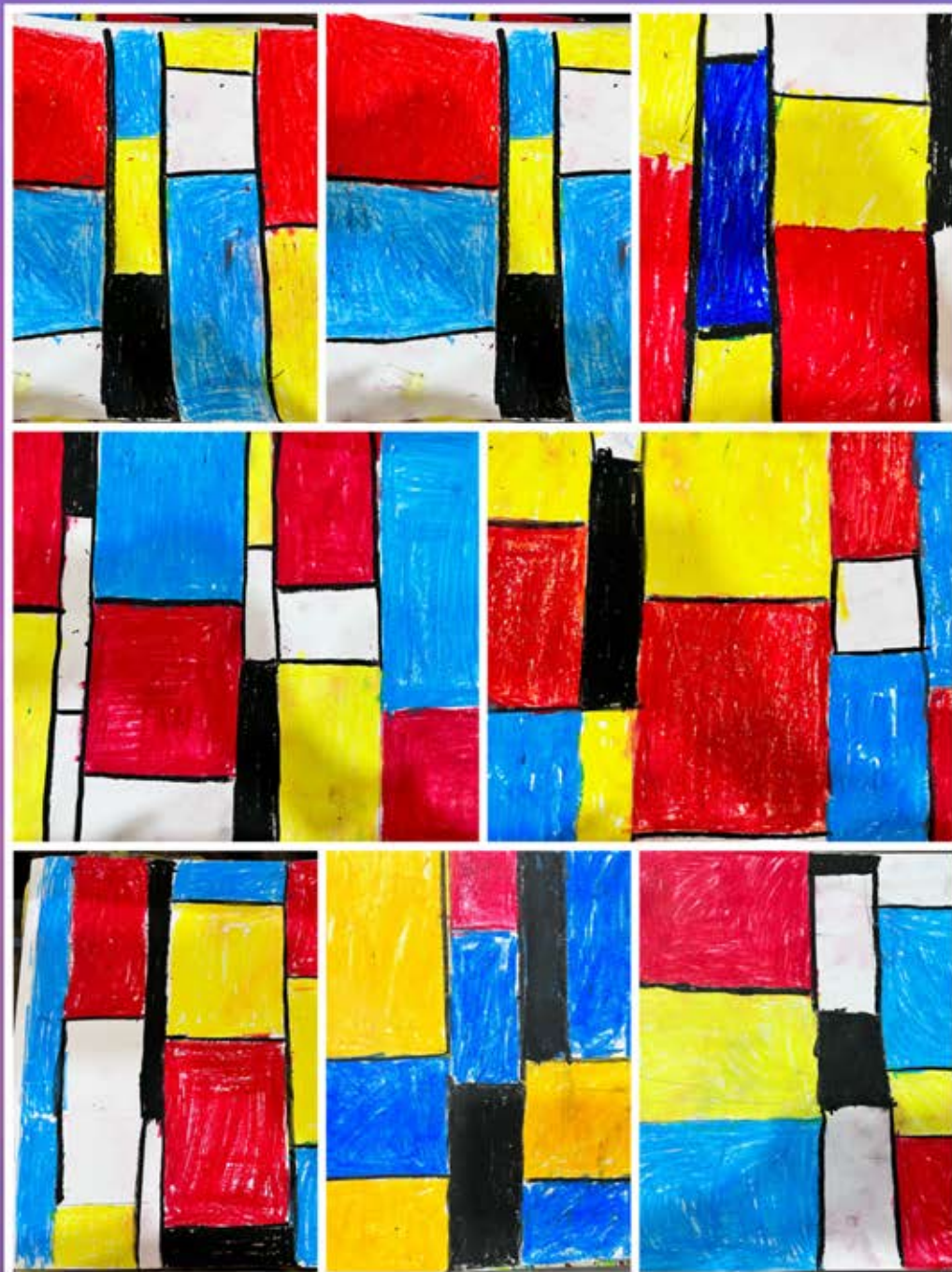
It's always fascinating to learn about the culture and traditions of different countries around the world, and our senior kindergarten kids are doing the same with their concepts. They first travelled to Asia, landed, and began exploring China. Shan refers to all Chinese fans. Children enjoyed colouring the renowned dragon to represent China, and then folded sheets with their classmates to make a Chinese fan.





Grade 1 - Piet Mondrian's Art

First graders explored about primary colours and shapes and demonstrated their understanding by composing artwork inspired from Piet Mondrian's composition.





Grade 2 - Tim Burton Portrait

Students of grade-2 composed self-portrait art by observing and demonstrating Tim Burton's portrait style and techniques.





Grade 5 - Toucan Bird Art

Fifth graders explored and learnt bird drawing and oil pastel mixing, blending techniques and demonstrated their understanding by creating Toucan bird art.

