

Cherries

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BILLABONG HIGH
INTERNATIONAL SCHOOL
KELAMBAKKAM
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Abounding in Bonding

Ms.Hashmath Fahira K N (Science Educator)

Chlorine is a deadly poisonous gas employed in European battlefields and Sodium is a corrosive metal that burns upon contact with water. But, together they make a placid, non-toxic material, table salt. Why each of these substances has the properties it does is a subject called CHEMISTRY. Yes, do you believe that ninth graders are already beginning to see the chemists in them!

Saathvik Vijayakrishnan of Grade 9 explored the world of bonding with his inquisitive brain. He is now drawing electron structures and types on chemical bonding – ionic and covalent observed in elements and compounds. He is assimilating new ideas with sheer energy and pace. Wishing this young lad to adapt quickly to the 21st-century skills in the world of Science and Technology!

This issue:

Bonding

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Patterns

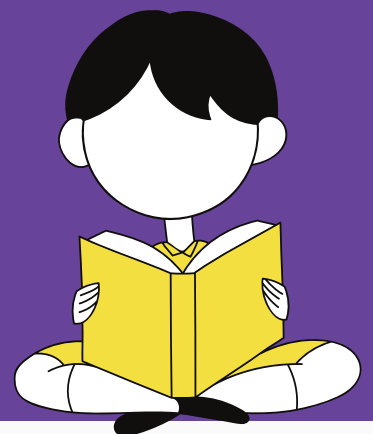
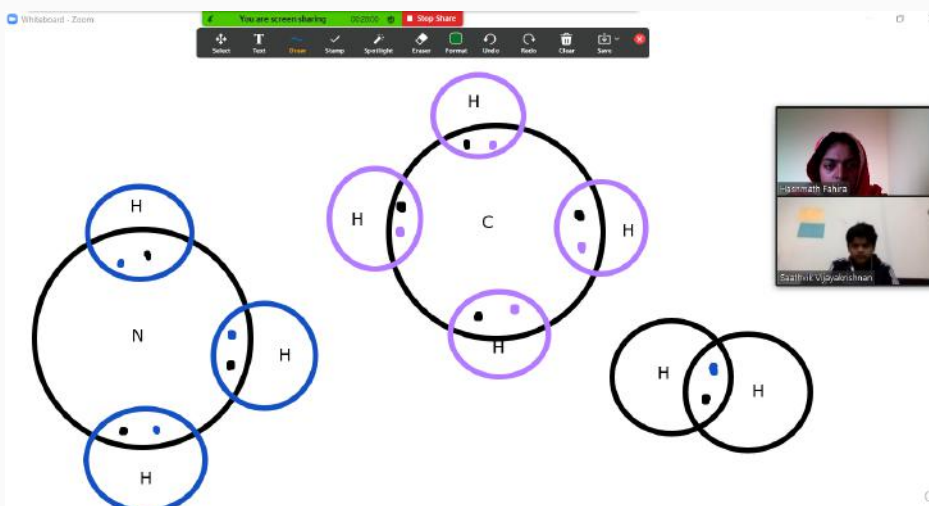
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Fabulous Fibonacci

Ms. Padmapriya Sreeram (CAIE Coordinator)

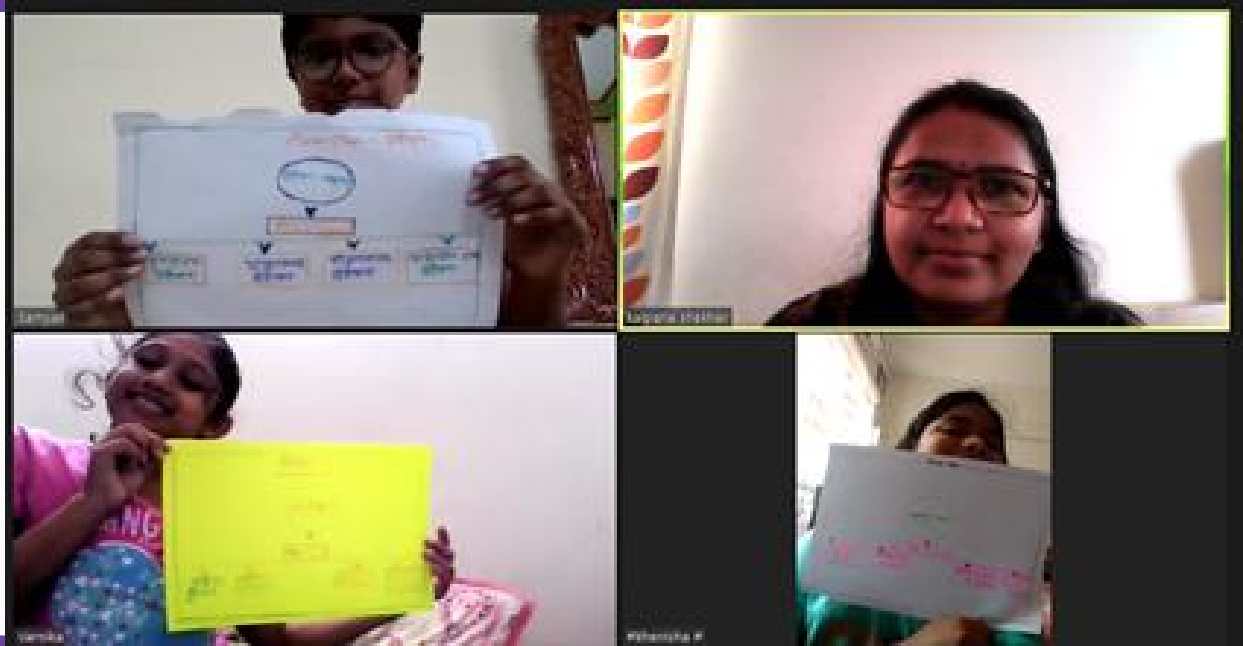
The date Nov 23 – written as 11/23, marks Fibonacci Day commemorating Fibonacci Sequence and celebrating the man who brought it to our attention in 1202. The number sequence is also tied to the golden ratio and the golden triangle, both of which appear repeatedly in nature, as does the sequence itself. There's so much about the Fibonacci sequence that leads to fascinating discoveries and our seventh & eighth graders marveled at the way God designed our universe. The students indulged in a hands-on activity that enabled them to appreciate the beauty of the sequence which is everywhere around us - in sunflowers, seashells, unfurling ferns, and pinecones to name just a few. As they constructed squares with sides equal to the first several Fibonacci numbers and a Fibonacci spiral which is made up of quarter-circular arcs whose radii are consecutive Fibonacci numbers, the kids virtually appreciated and learnt a bit more about the world around them.

The image displays a series of screenshots from a Zoom meeting where a GeoGebra interactive activity is being demonstrated. The activity, titled "Fibonacci Numbers and the Fibonacci Spiral", involves constructing a spiral using squares and quarter-circles. The GeoGebra interface shows a grid with a green square and a quarter-circle. Buttons for "Quarter Circle", "Increase Side", "Decrease Side", "ZoomIn", and "ZoomOut" are visible. A list of steps is provided: 1. Click on the Quarter Circle button, 2. Click on the green square, 3. Drag the green square, 4. Rotate the green square, 5. Click the INCREASE button, 6. REPEAT from 1. The screenshots also show the Zoom meeting interface with participants' video feeds and the Zoom toolbar.

“MIND MAP द्वारा विशेषण सीखना हुआ आसान”

Kalpana Kumari (Activities Coordinator)

कक्षा 5 के छात्रों ने विशेषण एवं उसके भेदों की विस्तार से जानकारी प्राप्त की। विशेषण एवं उसके भेदों को पूरी तरह समझने के बाद छात्रों ने इसे सरलतापूर्वक स्मरण रखने के लिए mind map तैयार किया। छात्रों ने अपनी क्रियात्मकता का प्रदर्शन करते हुए, कार्य में पूरी तरह रूचि लेते हुए, दिए गए समय पर अपना कार्य पूरा किया। शब्द भण्डार में वृद्धि एवं व्यावहारिक भाषा को प्रभावशाली बनाने के उद्देश्य से यह कार्यकलाप कराया गया।



Demonstration for easy understanding

A Social Science Activity

A demonstration is a wonderful way to reach the concepts to children. The learner of Grade VII was prepared with the materials such as a bowl of water and a paper boat. The learner was asked to move the bowl in different directions and then asked to observe the movement of water. The movement of the bowl is compared to the movement of Tectonic plates. In the second activity, the learner was asked to blow on the water, to enable the learner to understand the concepts of the influence of wind on oceans and water bodies. The concept of a Tsunami was easily clarified with this small demonstration.

DEMONSTRATION

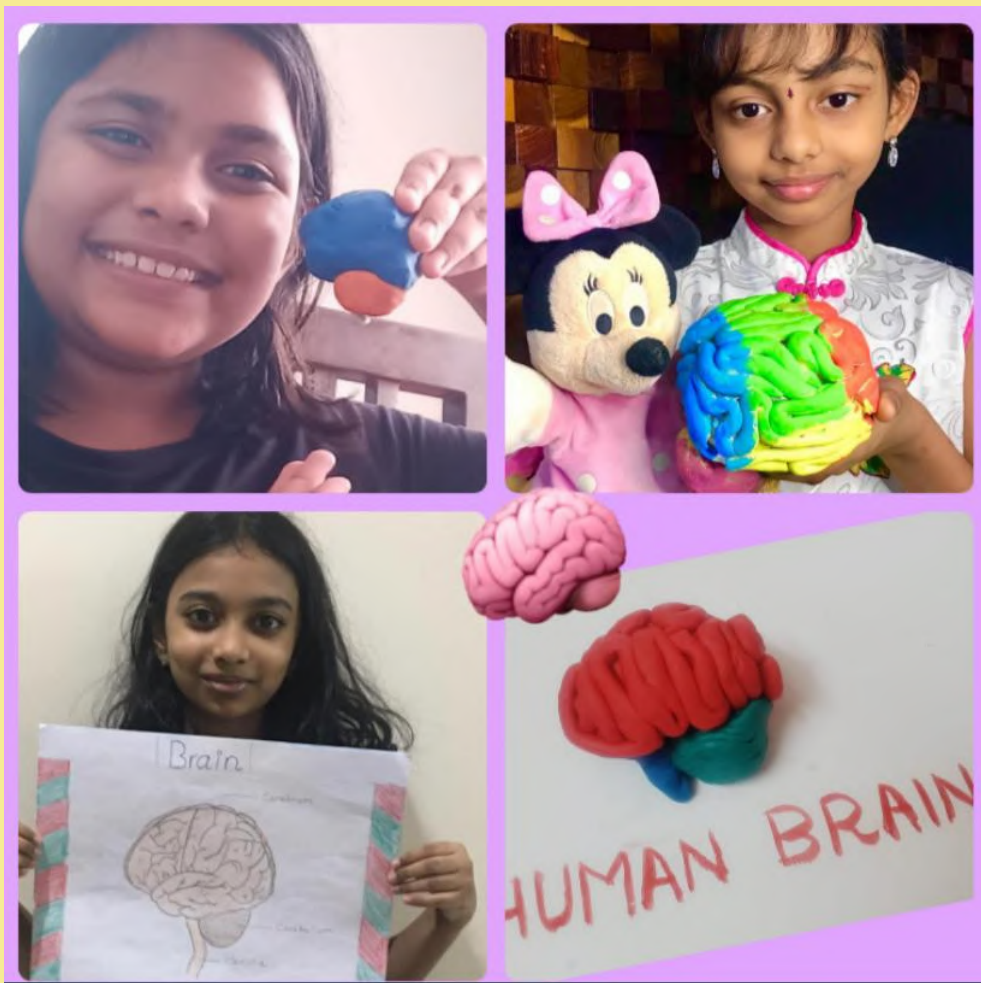
- ▶ Take a basin of water and move it in different directions.
- ▶ Blow into the basin.
- ▶ See how does the movement of air create movement in the water.



A New Student in our class!!!

Samyak Mohapatra, Grade 5

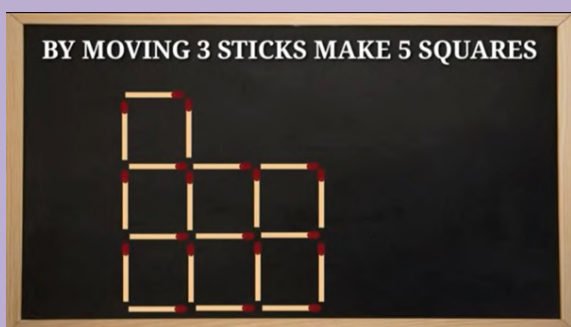
We grade 5 students got a new student in our virtual platform. Yes! Our new friend Mini was from our friend Aparajitha's home. Mini had made a model and explained to us many things about the brain. She told us about the parts of the brain. She also asked many questions on the same, it was an interacting session with our new friend. Some fascinating facts about the brain; Human brain is far better than the best computer ever created; Your brain gets bored easily; your brain doesn't sleep your dreams are poof; you can create a fantastical environment in your dream.



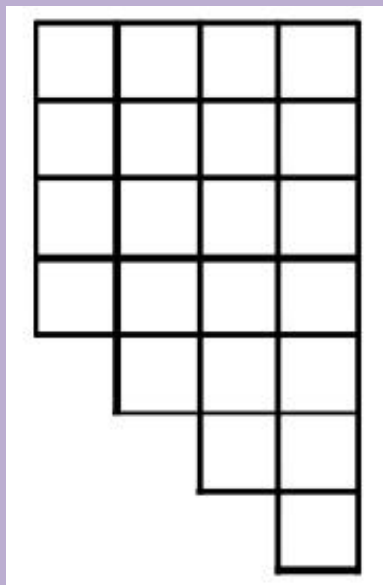
Math Quiz

- By the Math Club

a.

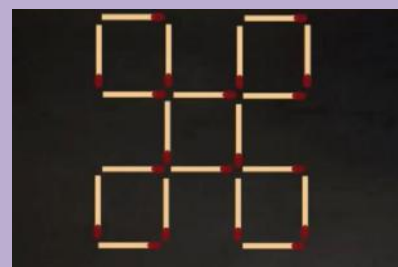


b. Discover the number of squares in the below picture?



Answers:

b. 40 Squares



a.