

Cherries

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BILLABONG HIGH
INTERNATIONAL SCHOOL
KELAMBAKKAM
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A Close Look at Redox Reactions

A Grade 9 Chemistry Activity

Redox reactions are reactions that take place in our everyday life ranging from respiration to photosynthesis. These reactions are mastered by Lakshin and Saathvik of Grade 9 by writing state symbols, ionic equations, and in turn redox reactions. This concept inculcates the importance of

sharing where one gives electrons while the other accepts electrons thereby making reduction and oxidation reactions (redox reactions). The concept is put forward with the memory aid 'OILRIG' which means Oxidation is the Loss of electrons and Reduction is the Gain of electrons.

This issue:

Redox Reactions

PAGE 01

Speak to conquer

PAGE 02

Story time

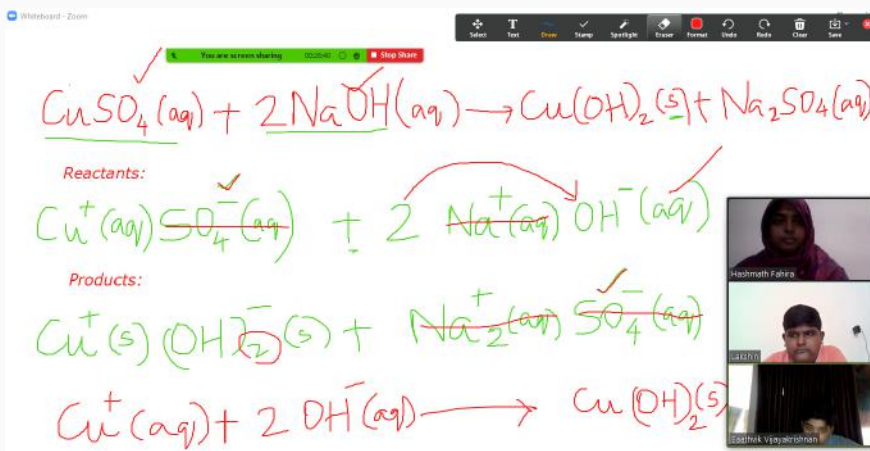
PAGE 03

All about maths

PAGE 04

Olaf and Volcanos

PAGE 05

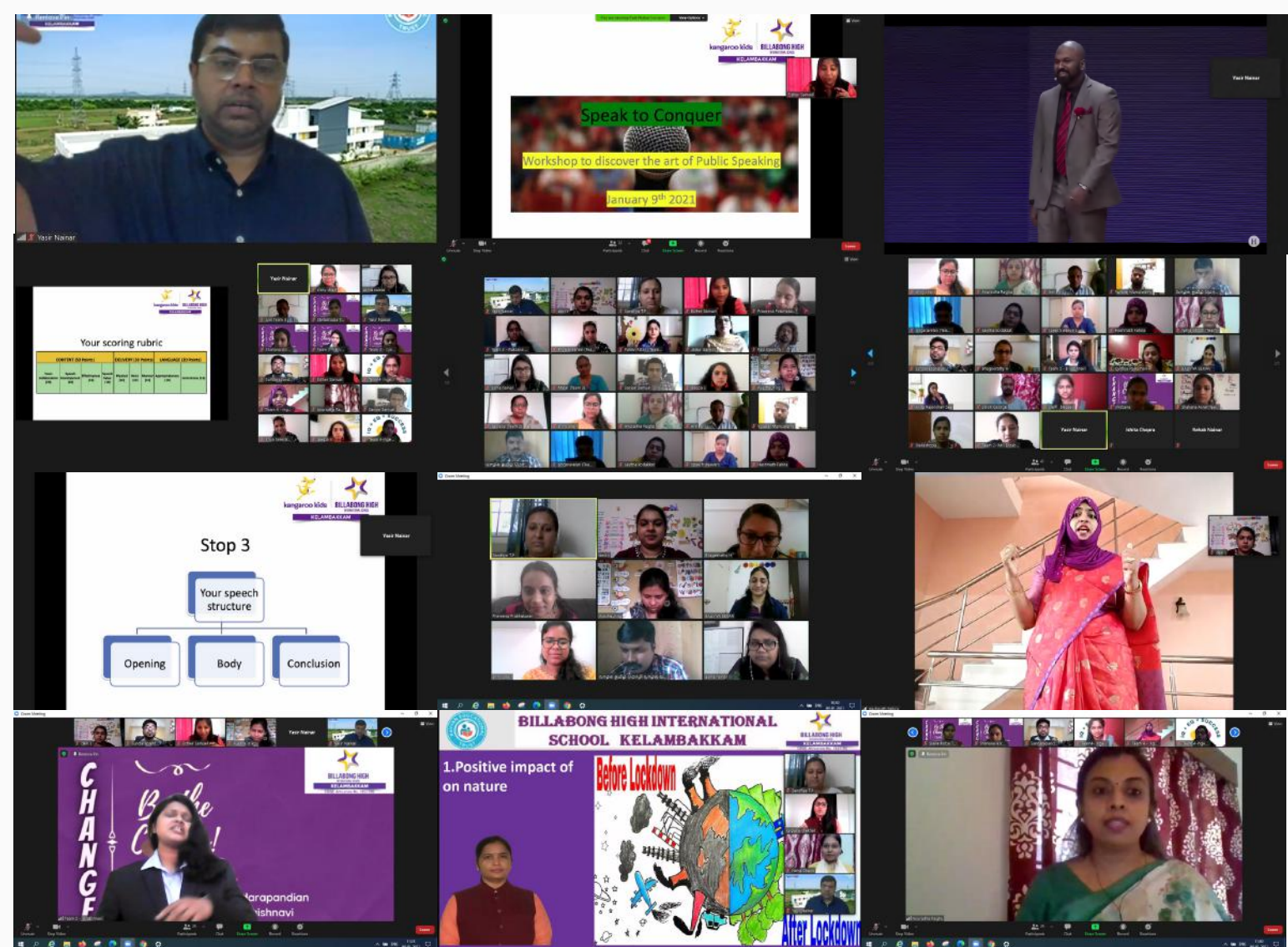


The Making of a Great Orator

Ms. Ramani Esther Samuel (Middle school English Educator)

“Great communication begins with connection.” – Oprah Winfrey

The educators and non-teaching staff of BHISK were presented with an enthralling workshop on Saturday, January 9 to learn the art of public speaking. The highly interactive workshop, which was conducted by the school’s Chairperson, Mr. Yasir Nainar, was certainly a treasure trove of knowledge. Teachers learnt how to create effective speeches and deliver them in a powerful manner that would capture and hold an audience’s attention. It was no doubt an eye-opening session with regard to mastering the art of speaking on stage. The objective of the workshop was to make BHISK educators better communicators overall, in order for them to become effective teacher-leaders as well. Teachers were given insights into how to make their speeches more relatable to the audience, humorous and inspirational, as well as adding other things to make them more interesting. Post-session, a fun activity took place, where teachers were split into 4 teams and had to create a good speech with their team. Each team would be represented by one main speaker and their presenter. The competition was incredibly delightful as educators displayed their brilliantly crafted speeches by employing the acquired knowledge from the workshop. Tough competition indeed. Finally, the winners of the speaking event were declared by naming the winning team, the best speaker, and best presenter. It was a wonderful workshop on the whole, and our educators look forward to many more sessions in the future.



A scene from the novel “James and the Giant Peach”

Ms. Anuradha (Primary School English educator)

Children love stories and try to relate to them. It takes them into a whole new world where they are free to explore and discover new ideas. Grade 3 students are enjoying reading the novel James and the giant peach. Each chapter is filled with surprises and exciting moments. Once such moment and scene are captured by them in the activity displayed. Children have beautifully displayed their imagination and creativity to portray a scene from the novel.



பிடித்தவற்றை வரையலாம்

Ms. Stella Shoba (Tamil Educator)

தமிழ் பாடப் பிரிவில் ஒரு உருவத்தை எப்படி பல்வேறு வடிவங்களில் வரைந்து தன் திறமையை வளர்த்துக்கொள்ள வேண்டும் என தமிழ் ஆசிரியை இரண்டாம் வகுப்பு மாணவர்களுக்கு கற்றுக் கொடுத்தார். அதன்படி மாணவர்களும் தங்கள் திறமைகளை கொண்டு ஒரு உருவத்தை பலவடிவங்களில் வரைந்து வண்ணம் தீட்டியுள்ளனர் இவற்றின் மூலமாக வகுப்பில் கல்வி அறிவு திறன் மட்டும் மேம்படாமல் மாணவர்களின் படைத்தல் திறனும் வளர்க்கப்படுகிறது.



Investigating Probability with Coin flips

Padmapriya Sreeram (CAIE Coordinator)

'Probability is not about the odds, but about the belief in the existence of an alternative outcome, cause, or motive'. The quote was the central theme this week as our seventh graders comprehended that probability tells us how likely something is to happen in a long run. Taking the concept further our seventh graders indulged in a simple hands-on activity with a coin to investigate the relationship between theoretical and experimental probability. The activity involved the young learners making predictions before repeating their experiment a certain number of times and then recording the results of what happened. As each learner discussed amongst themselves their findings, they drew observations on the combined class data and illustrated the law of large numbers. The session was a good demonstration of spirited math talk drawing real-life applications of large numbers.

Class data - Combined

Coins	
# of successes	# of tosses
82	140

$R/P / P = 59\%$

Optimal Solutions

A Grade 9 Maths Activity

Linear Programming once considered a quantitative tool is now regarded as a significant management method. In "real life", linear programming is part of a very important area of mathematics called "optimization techniques". These "real-life" systems can have dozens or hundreds of variables or more. Our Ninth graders however are learning to work with the simple and graphable two-variable linear case. Teaching this concept online can be quite a challenge. But this academic year has been all about rising to the challenges and learning new ways of understanding a concept. Using an interactive graph plotting tool, the students learnt to work out an optimal solution for problems taking the limitations of materials and labour, and then determining the "best" production levels for maximal profits under those conditions. The concept of clarity is currently a work in progress, but the students are more than ready to take up the challenge.

What inequality describes the region showing no more than 20 rooms in total? $x+y \leq 20$

10 hotel rooms will cost C80 per single per night and C120 per double per night. What combination of single and double rooms should be built, so that the nightly income is maximised?

Number of single rooms: 7 Number of double rooms: 13

Claim Your Trophy for 5 out of 5

What inequality describes the region showing at least 7 single rooms? $x \geq 7$

What inequality describes the region showing at least 10 double rooms? $y \geq 10$

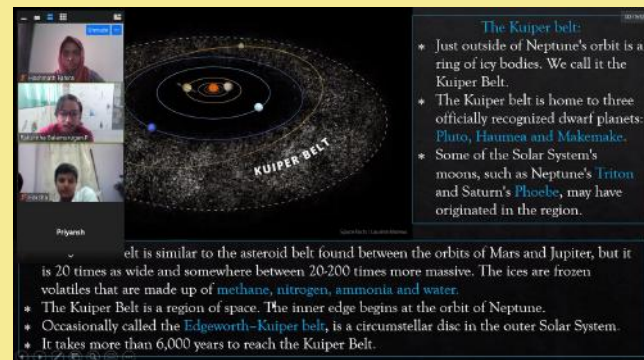
What inequality describes the region showing no more than 20 rooms in total? $x+y \leq 20$

Students: Briya Sreeram, Saathvik Vijayakrishnan, Lakshmi

ZOOMING INTO SOLAR SYSTEM

Ms. Hashmath Fahira K N (Middle School Science Educator)

Sixth Graders of our school are prepped up for zooming into the solar system. In the lesson 'The Earth and Beyond', they are exploring the different elements present in our solar system. As a part of engaged learning, the children took up one aspect of the solar system and presented the same in various ways such as presentation, video, and speech. It was a brilliant opportunity for these children to evince their skills among their fellow mates.



Olaf at Billabong Kelambakkam

Aparna, Grade 4 Student

Though seasonal greetings ended, Olaf visited our virtual session to bring forth the new year charm. We the Grade 4 students prepared an Olaf strip which consists of a number line to indicate the decimal numbers. Player one guessed a decimal number between the decimal numbers and determined the other player's decimal value. Player one then wrote the number they guessed on the Olaf number line. We felt super excited to make Olaf strips on their own Olaf decimal number line and had fun-filled learning.



Underwater volcano!!!

Kenisha, Grade 5 Student

We the students of Grade 5 are learning about natural disasters, and I did an experiment on an underwater volcano in a test tube. The volcano was made of water, red food-grade, Baking soda, vegetable oil, and citric acid. My experiment was a successful one and all my friends were surprised and enjoyed seeing the formation of an underwater volcano, this experimental learning took us to an exciting world. I now realize that scientists did a lot of experiments as it looks interesting.

