



Bal Bharati PUBLIC SCHOOL

Quarks, The Chemistry club of BBPS RH
organizes celebration of
INTERNATIONAL YEAR OF PERIODIC TABLE
&
MOLE DAY
on
23rd October 2019

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GLORIOUS
75
LEARNING & GROWING TOGETHER



Bal Bharati
PUBLIC SCHOOL

**INTERNATIONAL YEAR OF
PERIODIC TABLE
&
MOLE DAY
(23rd OCTOBER 2019)**



It gives me immense pleasure to inform you that BBPS Rohini is celebrating International Year of Periodic Table on 23rd October 2019. The date also coincides with the Mole Day celebrated worldwide to commemorate Avogadro's Number. The celebration will include an array of innovative Inter School Chemistry Competitions that give students a common platform to showcase their scientific talents and to think divergently.

The events on this day will further the understanding of learners in chemistry besides connecting them to worldwide celebrations. The endeavor is also to provide the students with an opportunity for experiential learning in Chemistry.

Please find attached a format of online and offline competitions to be held.

Looking forward to an active participation from your students.

GEETA GANGWANI
(PRINCIPAL)



Bal Bharati
PUBLIC SCHOOL

GENERAL INSTRUCTIONS

INTERNATIONAL YEAR OF PERIODIC TABLE **&** **MOLE DAY**

GENERAL INSTRUCTIONS:

1. There are **4 Online competitions and 4 Offline competitions**.
2. Offline events will be held on 23rd October 2019, the reporting time is 8:00 a.m.
3. Teams must adhere to the reporting time on 23rd October 2019 .
4. For online events kindly adhere to the instructions about the formats as mentioned along with the descriptions of respective online activities in the ***Details of Events*** document.
5. **Registration Form available at <https://forms.gle/hKGjw8bHSZHGdiQB9> should be duly filled by 9th October 2019.** The Registration form can be **submitted only once**. No hard copies of the Registration form should be sent.
6. **Entries of all the online events should be shared using a single folder created in GOOGLE DRIVE.** The name of the google drive folder should be the 'school name'. The files of events contained in the folder, should be saved by the 'name of the event'.
7. **The quality of multimedia mailed in respective online events should be clear and of high resolution to facilitate the judgement process.**
8. Please mention the name and contact information of the school and a concerned teacher while sharing the folder. **The folder should be shared only once with moleday2019@rh.balbharti.org by 15th October 2019 12:00 PM.**
9. Teacher In charges of events should be contacted after 3:00 pm only.
10. The Overall Trophy will be bagged by the school with the highest points in all the events (both online and offline).
11. **The results of the Online Events will be uploaded on the school website: <http://bbpsrohini.balbharti.org> on 22nd October 2019.**
12. All participants will be awarded certificates of participation.
13. The decision of the judges will be final and binding.
14. The host school will participate but not compete.
15. The teams must be in school uniform.

Last date of Registration: 9th October 2019

Online submission: 15th October 2019

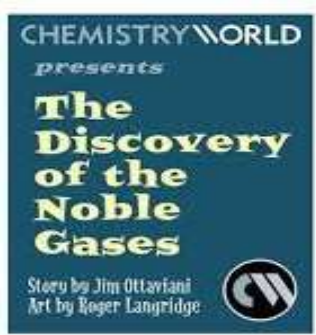
Results of Online Events: 22nd October 2019

<http://bbpsrohini.balbharti.org>



EVENT : ELEMENT RELEASE (Online)

CLASS : IX-X



ELEMENTS		
Hydrogen 1	Strontian 38	
Acid 3	Barites 68	
Carbon 6	Iron 50	
Oxygen 7	Zinc 36	
Phosphorus 9	Copper 36	
Sulphur 16	Lead 90	
Magnesia 20	Silver 190	
Lime 24	Gold 190	
Soda 28	Platina 190	
Potash 32	Mercury 167	

NO. OF PARTICIPANTS : 2

SOFTWARE: MS Publisher

THEME: ATTEMPTS TO ARRANGE ELEMENTS

Instructions

1. Each team will design an E-Newsletter on any of the attempts made by scientists to arrange the elements known at that time.
2. The E-Newsletter should be of 4 pages with a catchy header/title relevant to the theme.
3. The E-Newsletter should include the following aspects: brief about the scientist, elements known at that time, basis of arrangement, advantages and limitations of the arrangement.
4. Submit the E-Newsletter in a pdf file format named as schoolname_eventname.pdf.
5. The pdf should be sent with other online entries of your school using GOOGLE DRIVE as per the general instructions document by 15th October 2019.

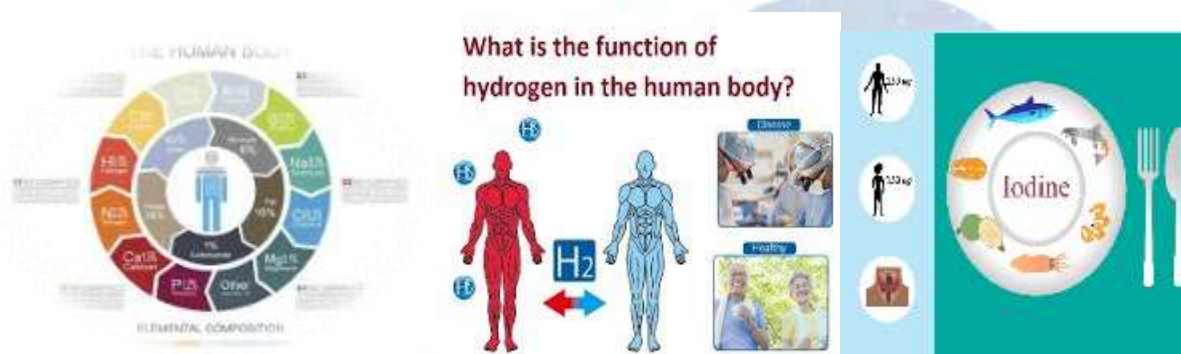
Judgement Criteria

Content	Layout & Design	Overall Presentation
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Teacher Incharge : Ms. Monica Arora (7503982023)

EVENT : BIO-O-CHEM (Online)

CLASS : XI-XII



NO. OF PARTICIPANTS : 2

SOFTWARE: SWAY

THEME: EFFECTS OF ELEMENTS ON HUMAN WELFARE

Instructions

1. Each team is required to prepare a presentation on the given topic using SWAY.
2. Each presentation should be in the form of maximum 10 slides excluding the title and end slide.
3. Teams can provide statistical data, case story or pie charts etc to enhance the presentation.
4. Share the link of the presentation in a word document and send it with other online entries of your school using GOOGLE DRIVE as per the general instructions document by 15th October 2019.

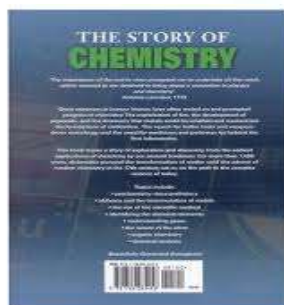
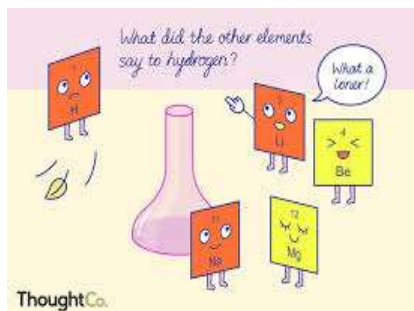
Judgement Criteria

Content	Systematic presentation	Relevance
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Teacher Incharge : Ms. Mridu Marwah (9891918381)

EVENT: SPIN A YARN (Online)

CLASS: VIII-IX



NO. OF PARTICIPANTS: 2

SOFTWARE: SCRATCH 2.0

THEME: CURIOUS CASE OF ELEMENTS

Instructions

1. The team must create a story by choosing two elements from periodic table belonging to different blocks.
2. The story must have a relevant title.
3. Students must use atleast two characters & two stages.(Automatic background change)
4. The story must highlight the following aspects: Occurrence, physical properties, chemical properties
5. Story can be highlighted by using pictures beyond the default scratch gallery.
6. The story should be saved as schoolname_eventname.sb2 and should be sent with other online entries of your school using GOOGLE DRIVE as per the general instructions document by 15th October 2019.

Judgement Criteria

Creativity	Presentation	Content
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Teacher Incharge : Ms Surbhi Bhardwaj (9650148320)

EVENT: DIGICARD(Online)

CLASS: IX-X



NO. OF PARTICIPANTS: 2

SOFTWARE: MS PUBLISHER/ MS WORD

THEME: INTERNATIONAL YEAR OF PERIODIC TABLE(IYPT)

Instructions

1. The participants must create an E-Invitation card for celebrating International Year of Periodic Table.
2. The E-Invitation Card should be of 2 pages.
3. The first page of the invitation card should contain the self designed logo for the IYPT, name of the host school, date and day.
4. The second page of the invitation card should contain the schedule of the day and activities planned along with the general instructions.
5. The E-Invitation card must be saved in pdf format named as schoolname_eventname.pdf
6. The pdf file should be sent with other online entries of your school using GOOGLE DRIVE as per the general instructions document by 15th October 2019.

Judgement Criteria

Content	Layout and Design	Overall Presentation
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Teacher Incharge : Ms Surabhi Goel (9811773302)

EVENT: SCIENCE HACKS (OFFLINE)

CLASS: VII-VIII



NO. OF PARTICIPANTS: 2

THEME: SCIENCE ACTIVITY USING EDIBLE MATERIAL

DURATION: 3-4 MINUTES

Instructions:

1. Each team has to demonstrate a science activity using edible material found in household
2. Participants have to bring their own required materials for the activity. No material will be provided by host school.
3. Use of flame is not permitted.
4. Participants will be required to explain the principle involved in the activity.
5. Team will be required to submit the hard copy on A4 sheets (2 sides) about the activity conducted explaining-
 - Aim of activity
 - Principle involved
 - Explanation
 - Observation
 - Conclusion
 - Diagram, if any

Judgement Criteria

Material used	Demonstration	Explanation
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Teacher Incharge : Ms Sandhya Sachdev (9911154501)

EVENT: CHEM-O-RANG (OFFLINE)

CLASS: VIII - IX



NO. OF PARTICIPANTS: 2

THEME: DEPICT MOLE WITH ART

DURATION: 1 Hour

Instructions:

1. Each team will choose an element to create a rangoli design .
2. Each team will be provided with a fixed open space of dimension 3 feet X3 feet to create a rangoli design.
3. Rangoli must depict the relationship of mole of the chosen element with its molar mass & number of atoms
4. Additional information like properties of the element can be added to rangoli.
5. All the material required for rangoli must be brought by the participating school.
6. Use of waste material will be preferred.

Judgement Criteria

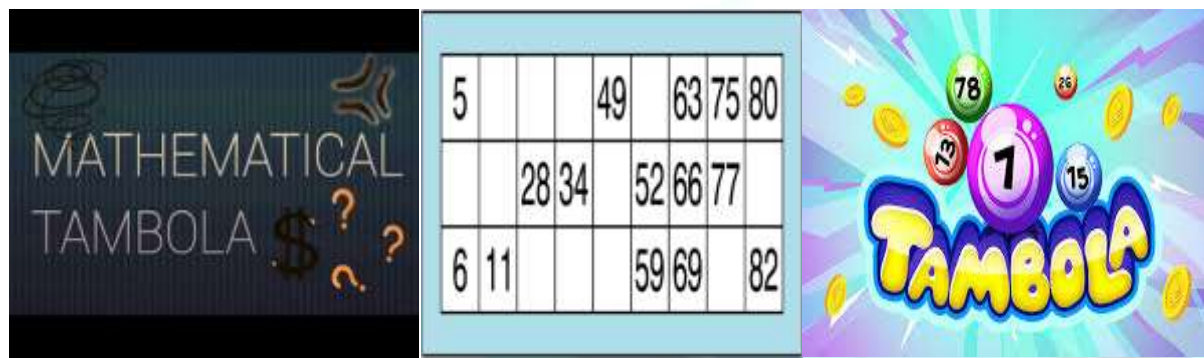
Content	Creativity	Material used
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Teacher Incharge : Mr Nirmalaya Banerjee (9810692561)



EVENT: MATHEMATICAL MYSTERY OF ELEMENTS (OFFLINE)

CLASS: X- XI



NO. OF PARTICIPANTS: 2

THEME: MATHEMATICAL TAMBOLA

DURATION: 1 Hour

Instructions:

1. Each team will be given a Tambola Ticket with 20 numbers in the range 1 to 50.
2. Mathematical relation of mole with mass (g/mol) and volume (L) of elements and compounds will be announced which would be a number from 1 to 50.
3. Team has to recognize the number and cut the number if found on the ticket.
Eg Question: 1 mole of Na
Number to be cut on the ticket: 23
4. Rough sheets for calculations will be provided by host school.
5. Use of calculator is not permitted.

Judgement Criteria

First three Full house shall win top three positions.

Consolation certificates shall be awarded for four corners and early five.

Teacher Incharge : Ms Pooja Chawla(9811988814)

EVENT: COFFEE WITH E (OFFLINE)

CLASS: XI- XII



NO. OF PARTICIPANTS: 2

THEME: TALK SHOW WITH ELEMENTS

DURATION: 3-4 Mins

Instructions:

1. Each team will select any one group of the periodic table i.e. any group from Group 1 to Group 18.
2. Participants must present a talk show to highlight the properties of all the elements of the selected group.
3. In each team, one participant should act as interviewer and other participant should act as the selected group from the periodic table
4. The interviewer will ask relevant questions from the entity to elicit all information specific to the group.
5. The team will be provided with a laptop and can play videos through pen drive to highlight the properties of the elements during the interview.
6. Use of light weight props is allowed.

Judgement Criteria

Content	Concept Clarity	Coordination	Expression	Use of audio-visual aids.
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Teacher Incharge : Ms Shweta Mahajan(9868309200)