



'PAPER PRESENTATION' ON DESIGN LITERACY FOR EFFECTIVE SCIENCE COMMUNICATION

AT 9TH NTSC, 2018

A REPORT

'You never stop learning. If you have a teacher, you never stop being a student.'

Elisabeth Rohen

It was a proud privilege for a group of five teachers of Bal Bharati Public School, Noida to visit Ahmedabad from 13th to 17th December regarding presentation of their papers & poster selected for the 9th National Teachers Science Congress (NTSC). The event was hosted by Vikram A Sarabhai Community Science Centre (VASCSC) in a green arena full of natural surroundings, during 14th-16th December 2018 at Ahmedabad. 290 participants attended the event with a lot of energy and enthusiasm.

The National Teachers Science Congress (NTSC) is an initiative of the National Council for Science & Technology Communication (NCSTC), Department of Science & Technology (DST), Govt. of India. NTSC aims at providing a platform to science and mathematics teachers to communicate their ideas, share new experiments in teaching methodology and science education and enhance their level of scientific awareness.

Papers were invited from teachers/educators who wish to present innovative and original ideas in science education and communication, based on the subthemes.

The event started with inaugural session on 14th December and registration. The Chief guest was Dr. K. Kasturirangan., Chairman- National policy of Education, Former chairman ISRO and being bestowed with the highest civilian honours like Padma Shri, Padma Bhushan and Padma Vibhushan.

Different workshops were organized for the participants for enriching their knowledge and experiences. Various stalls on Robotics, Xplant, Paryavaran Mitra, Rocketery, Inspire etc were put up .All the workshops helped us broaden our vision.



Teachers in the 9th NTSC, Ahmedabad



Dr. K. Kasturirangan-Chief Guest.

!5 the December onwards the presentation of papers was initiated. The titles of papers presented by BBPS, Noida teachers were as follows-

Poster Presentation on ‘Micro Scale Chemistry, a Green chemistry -An approach to sustainable development’ under subtheme ‘Science learning for sustainable development’.

Ms Vibha Jain (PGT-Chemistry) Participation in 9th NTSC was like a dream come true for me. These three days were full of enthusiasm and knowledge. Listening to the lectures of dignitaries was a lifetime experience. I will always cherish the memories.

Oral Presentation on ‘Innovative methods of teaching Physics through simple computer programming’ under subtheme ‘New and emerging media for effective science learning’. **Ms Swati Chawla(PGT-Physics)**-Indeed, this was an insightful experience. I have carried so much knowledge back with me for giving a better output to my organisation. Great stuff! I feel that the information and acquired skills learnt at NTSC will greatly help me to achieve my goals in work and my personal life. I greatly appreciated the quiet time that we used prior to assessing.

Oral Presentation on ‘Gamification Tool to Learn Loss and Conservation of Energy’ under the subtheme ‘Design literacy for effective science communication by educators’.

Ms Indula Mishra(TGT Science)- This study identifies gamification as a self -directed literacy model to establish stimulatory tasks to lower the household electricity bill by encouraging students to identify possible energy saving accommodations. Students displayed learning and application based adaptability of the concept of energy Conservation.’

Oral Presentation on ‘Empowering Young Minds by reorienting education through Sigma 6Q for Sustainable Development’ under the subtheme ‘Science learning for sustainable development’.

Ms Neerja Bhatnagar (TGT Science)I feel that this experience of paper presentation in 9th NTSC has definitely empowered me and helped to broaden my vision, that we as teachers can evolve both at the professional as well as the personal level and help the students to take up future challenges courageously and smartly.

The lesson that I've learnt in this endeavour is that



Ms Vibha Jain - Poster Presentation



Ms Swati Chawla-Oral Presentation



Ms Indula Mishra with the Chief Guest



Ms Neerja. Bhatnagar in Oral Presentation

challenges help you to know your potential.

Ms Vaishali Mittal-(TGT Maths) Oral Presentation on 'Digi Maths: Impact of technology on Mathematics teaching in classroom' under the subtheme 'New and emerging media for effective science learning'.

The day ended with a beautiful cultural presentation by various participants of various regions. Vaishali Mittal of our school presented a beautiful song and was applauded. Overall it was an enriching experience and great feel of 'Unity in Diversity'.

The last day 16th December started with one of the major highlights, a talk on 'Science Communication for All' by Shri Chander Mohan, the person who conceptualized 'Science Express'. He spoke about taking Science to the remote locations of India, where Science is desperately needed. The session was infused with a magical energy as those present in the room discussed various solutions and options to tackle the various problems that arise in science education and the development of a scientific temperament in India.

Many workshops like Miracles in Science, Model Rocketry etc helped teachers to understand science is fun and can be taught to children in a simple way leading to strong concepts and application to day to day needs of society. Physics, chemistry and biology can be made simpler by handful of experiments in classrooms.

Last but not the least, the valediction ceremony was the most awaited event as the results made our heart beat faster. It was a matter of pride and achievement that Ms Neerja Bhatnagar was awarded with a trophy and a certificate of meritorius teacher among 28 selected teachers. The ceremony was honoured by Shree Kartikey V. Sarabai, Mr Dilip Sarkar, Dr. Pamposh Kumar and Shree Chander Mohan who made the ceremony prestigious by their presence.



Participants with chief guests



Ms Swati Chawla in Rocketry workshop



Ms Neerja Bhatnagar receiving the award from Shree Kartikey V. Sarabai.



Ms Neerja Bhatnagar receiving the certificate of meritorius teacher from Shree Dilip Sarkar.

Ms Vibha Jain

Ms Swati Chawla

Ms Indula Mishra

Ms Neerja Bhatnagar

Ms Vaishali Mittal