

Activity Report for the Month of September 2022

Observance of Hindi Pakhwada

In order to instil the spirit of progressive use of Hindi in official works and in science popularisation activities Hindi Fortnight was observed at Palampur Science Centre from September 14 to September 29, 2022. During this fortnight various competition and activities such as Hindi Translation, Hindi Letter Writing, Poem recitation and Hindi Dictation Writing Competition were organised for staff members. During the fortnight discussions and dialogues were organised about inclusiveness and acceptance of Hindi in India and contribution of Hindi in Popularisation of Science, Need of new vocabulary on scientific and technological terms, role of Hindi in public movements for scientific awareness such as Plus Polio Abhiyan, Population Control, Sarva Shiksha Abhiyan and New Research and innovation.

On 14th September 2022, role of Hindi in National Freedom Movement, its role in present scenario and future projection in the development of nation were illustrated by project coordinator marking Hindi as one of the major factor ensuring National Integrity and development. The audience were called upon to make the language more inclusive and harmonious so as to make it language of common man in real sense. amongst the staff members of Palampur Science Centre a Kavita Path/Hindi Poem recitation and Hindi Dictation Competition were organised. In this event the participants presented renowned and unknown Hindi poems. After this, a dictation competition was held in which the Hindi words of daily usage are pronounced by the Project Coordinator and all the participants wrote them according to their knowledge of Hindi. At the last Project coordinator delivered a speech about the importance of knowing Hindi and Hindi's role in day to day official/unofficial working, he also made aware everyone about the Hindi proficiency examinations and cash rewards for the people from non-Hindi speaking areas.

On 28th September, 2022, amongst the staff members, official letter writing contest was conducted in Hindi. All of the participants were asked to write a letter to the District Education Officer, Distt. Kangra, Himachal Pradesh regarding visit of students to Palampur Science Centre. All the staff members were briefed about the prescribed Performa and the content to be mentioned in the letter. They listened, analysed and written the said letter, after the completion all the applications were submitted to the Project Coordinator for review and comments.

On 29th September, 2022, Hindi Translation Contest was organised for the staff members. The fortnight was concluded with a commitment of increasing the use of Hindi in day to day work.

Observance of International Day for The Preservation of Ozone Layer

on 16.09.2022

Ozone layer is the arguably the first line of defence of planet earth against the harmful solar radiations known as Ultra Violet Radiation. If it reaches to the surface unhindered, this may cause severe skin burns and different kind of skin cancers to the animals and for plant life, leaf necrosis, stunted growth and ultimately death of the plant is a great possibility. In order to create public awareness about need of preservation of Ozone Layer; International Day for The Preservation of Ozone Layer was observed at Palampur Science Centre on 16th September 2022 by organizing various educational programmes for the school students and general public. A **Popular Science Lecture** was held on the theme 'Ozone Layer: Earth's Protective Cover', through this, The Project Coordinator explained the audience about the problems

associated with the depleting of ozone layer and the formation of hole in ozone layer over the polar regions. He showed a brief overview of the ozone layer depletion through images and research data. He interacted with the audience and took their queries and answered them. It was well appreciated by the strong presence of **118** participants. After the popular science lecture, a **painting contest** was held. The painting contest was categorized in two groups; first group was for the students of primary level while the second group was for middle school going students. The theme of the contest was 'Ozone Layer: Earth's Protective Cover'. The students sketched and coloured their imaginations in the papers. In this programme around **64** students took part. Along with the painting contest; an **Open House Quiz** was also conducted for the students of secondary school and senior secondary level. The theme of the quiz was 'Ozone Layer: Earth's Protective Cover'. In this quiz various questions related to the formation and functioning of the ozone layer, important international and national conventions, scientific terminology and ozone layer preservation were asked and the winner were facilitated on the spot. Around **43** students took part in this event. After the successful completion of the all the programmes refreshment were distributed and the participants were facilitated with the e-participation certificates.

Observance of International Day of Scientific Culture **on 28.09.2022**

Why it is important that science to be integrated into people's culture and daily lives? With this very basic question this International Day finds its significance. It is very crucial to make science part of everyday life and it is already part of our lives; from the time of waking up to brushing our teeth to preparing our meal, all the processes are in the thought out fashion. We grow our food scientifically, however it is important that we make ourselves aware that how much science is the part of our daily lives and most importantly, we should try to develop a culture of scientific temperament and rational thinking in the mind of masses. Underlining the significance of scientific culture development and building a strong sense of scientific temperament, The Palampur Science Centre celebrated International Day of Scientific Culture on 28.09.2022 by organising various educational programmes for the students and the general public. First of all, the visiting students of different schools were provided with a guided tour of the all three science galleries. After this a **science demonstration lecture** was held for them. To make it more interesting and engaging, the students were called upon the stage to perform the experiments. Through this they gained a new insight about different chemicals and their different physical and chemical properties. The centre of gravity challenge made them scratch their heads. The liquid nitrogen show was next in this line. Through this, students learned about the world of sub-zero temperature. From freezing flower, leaves, banana to various other experiments. The squeezing of balloon, automatic pressure cooker whistling, hardening of rubber ball etc. were some other experiments which were performed. There were around **66** nos. of participants took part. After the science demonstration, a **popular science lecture** "The Quest of Scientific Culture: Role of New Media and Informal Mode of Communication" was delivered by Sh. Parveen Sharma, Senior Journalist, Founder & State President of Him Jan Kalyan Sanstha. He shared his thought about the new media and its potential to reach the masses and how this informal way will enhance the scope of science communication in India. After delivering his lecture and providing very informative knowledge about the new media and its potential, students interacted with the orator. Based on the Science Demonstration an **Open house quiz** was organized for the audience. The questions were related to general scientific principles and concepts. Short videos on manifestation of science in day to day life were also screened for the audiences. In the valediction, The Project Coordinator winded up the session and congratulated the audience and the guest present. Students and escorting teachers were provided with refreshments and all the participants were given e-participation certificates.