



**H.P. State Council for Science Technology and Environment, Shimla**  
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No. SCST&E/

Dated:

**Proceedings of One Day Orientation Workshop on HP Children's Science Congress**

The State Council for Science, Technology & Environment, Shimla organised a one day Orientation Workshop on HP Children's Science Congress at the State Institute of Health and Family Welfare, Parimahal, Shimla on 4<sup>th</sup> July, 2016. The meeting was presided by Sh. Ajay Kumar Lal (IFS), Member Secretary, State Council for Science, Technology & Environment, H.P. as Chief Guest while Sh. Manmohan Sharma, Director, Elementary Education, H.P. was the guest of honour. The resource persons included Sh. B.K. Tyagi, Scientist 'E', Vigyan Parsar, Gol, Dr. Neelam Gulati, Joint Director (Retd.), Punjab State Council for Science & Technology and Member NCSTC Network, Dr. Madhu Phull, Retd. Scientist, NCSTE, New Delhi and Sh. Pankaj Verma, TGT Science, Government Senior Secondary School, Bajaura, District Kullu. The host organisation was represented by Dr. Aparna Sharma, Senior Scientific Officer-cum-State Coordinator, HP Children Science Congress, Mrs. Sunanda Pathania, Scientific Officer, and Sh. Shashi Dhar Sharma, Senior Scientific Assitant -cum-State Academic Coordinator.



**Honour of Resource Person by Chief Guest**

The Orientation Workshop was attended by a total of 81 participants including Sh. Ajay Sharma, TGT Science, State President Himachal Pradesh Science Masters Association; District Science Supervisors and/ or their representatives from each of the 12 districts, viz, Sirmour, Bilaspur, Kullu, Kangra, Solan, Lahaul & Spiti, Hamirpur, Shimla, Una, Kinnaur, Mandi and Chamba; one Science School teacher from each of the 62 sub-divisions of the State as well as officers and officials of State Council for Science Technology & Environment, H.P.

On behalf of the State Council for Science, Technology & Environment Dr. Aparna Sharma, Senior Scientific Officer and State Coordinator for HP Children's Science Congress welcomed the distinguished guests. Sh. Ajay Kumar Lal (IFS), Member Secretary welcomed the resource persons from the Ministry, all district science supervisors, all teachers and Council staff and congratulated them for organising this workshop for mutual interaction. He presented a brief summary of Children's Science Congress and also appreciated the efforts being put in by the State Council as well as the education department in organising this event for the last 23 years in the State. He emphasised the need for further collaborate efforts between Education Department and the State Council for popularisation of science in the State.



**Welcome address by chief guest Sh. Ajay Kumar Lal (IFS), Member Secretary, State Council for Science, Technology & Environment, H.P.**



**Address by Guest of Honour Sh. Manmohan Sharma, Director, Elementary Education, H.P.**

Sh. Manmohan Sharma, Director, Elementary Education, H.P. appreciated the efforts of State Council and Education Department for expanding the outreach of Science popularization programs in far off areas of the State. He assured active collaboration from his department in all such ventures in future too.

Sh. B.K. Tyagi provided an insight into the National Children Science Congress Project. The focal theme for 2016-2017 is **Science, Technology & Innovation for Sustainable Development**. He discussed in detail the various sub themes: **1) Natural Resource Management 2) Food & Agriculture 3) Energy 4) Health, Hygiene & Nutrition 5) Lifestyles and Livelihoods 6) Disaster Management 7) Traditional Knowledge Systems**. He delivered an interesting lecture on **“Developing a Culture of Innovation”**



**Presentation by Sh. B.K.Tyagi, Scientist 'E', Vigyan Parsar, New Delhi, GoI**

and emphasised that the teachers should encourage the children to explore, think, play and wonder. He deliberated on the nature of CSC projects in his second lecture on “Basics of NCSC Projects” and stressed that the projects should be based on local problems/ issues and that they should be innovative, simple and practical. He outlined the evaluation criteria for good Scientific Project Reports.



**Presentation by Dr. Neelam Gulati, Joint Director(Retd.), PSCSTE- Network, New Delhi**

Dr. Neelam Gulati Sharma gave a presentation on “**National Children Science Congress**” - History, participation, and its objectives. She shared numerous success stories showcasing how waste material can be transformed into valuable products. She has also suggested various projects on CSC-2016 theme i.e, “**Science, Technology & Innovation for Sustainable Development**” and its seven sub themes. She also shared

evaluation criteria of scientific project reports and marking system with the science teachers. She informed that two projects from State Level are selected for School Science Education Forum at the Indian Science Congress which is held from 3<sup>rd</sup> to 8<sup>th</sup> January annually.

Through a flow chart presentation, Sh. Pankaj Verma, T.G.T. Science at Govt. Senior Secondary School, Bajaura, Kullu made it easy for participants to understand how to proceed in Children Science Congress and various steps on making a good Scientific Project Report. He informed them about criteria for project consideration, eligibility, evaluation and check list.



**Sh. Pankaj Verma, TGT Science, Govt. Sr. Sec. School Bajaura**



**Presentation by Dr. Madhu Phull, Retd. Scientist, NCSTE, New Delhi**

Dr. Madhu Phull, Retd. Scientist, NCSTE, New Delhi shared the genesis of National Children’s Science Congress and its progression and outreach through the years. She also shared some ideas for report formulation and inputs on how to improve their content and presentation at the National Level competition.

Dr. Aparna Sharma, Principal Co-Coordinator of Himachal Pradesh Children Science Congress gave a description of the enormity of this program in the State, number of participating schools and total number of student and teacher beneficiaries. Various activities such as Activity Corner, Science Quiz, Science Skit, Mathematics Olympiad, etc being carried out at sub divisional, District and State Levels in HP were also an integral part of the CSC for the last several years. She highlighted the difficulties in organising this event in schools located in remote areas of the State which have a tough terrain, especially in Chamba, Kinnaur and Lahaul- Spiti districts of the State. She also informed the participants about schedule for organising sub division, District, State and National Level Children Science Congress for this year.



**Presentation by Dr. Aparna Sharma, Senior Scientific Officer, SCST&E Shimla**

During discussion session, questions were raised by Sh. Ajay Sharma, State President Himachal Pradesh Science Masters Association and other participants on age group of participants, evaluation criteria and selection of Scientific Project Reports from various sub themes. Sh. B.K. Tyagi, Dr. Neelam Gulati Sharma, Dr. Madhu Phull resolved their queries by saying that age group of children should be between 10 to 14 years junior group and 15 to 17 years in senior group. Evaluation of Scientific Project Reports would be done on the basis of given format.



**Distribution of certificate to participant**

Certificates were distributed among the participants of the meeting by Sh. B.K. Tyagi, Dr. Neelam Gulati, Dr. Madhu Phull, Dr. Aparna Sharma, Dr. Sunanda Pathania and Sh. Shashi Dhar Sharma. The meeting ended with a vote of thanks to the chair by Sh. Shashi Dhar Sharma.