

OCTOBER - DECEMBER 2020**HAPPY NEW YEAR
2021****Now Open!**9 am - 6 pm
7 Days a Week**MESSAGE FROM THE DESK**

Dear Readers

Here is wishing everyone a very Happy New Year.

Following seven months of closure due to the coronavirus pandemic, the Science City reopened to the public w.e.f. October 15, 2020. Providing a safe, welcoming and enjoyable experience has been our priority. Enhanced cleaning regimes, temperature check, foot operated hand sanitizers at all key locations, mandatory masks and social distancing norms are some of the steps we have taken at PGSC to ensure your safe and enjoyable visit. The exhibits of Fun Science Gallery have also been converted from touch to sensor based.

In the year 2020, we missed our visitors and yet we have all come together as a science family like never before. We have tried to keep our visitors productively engaged even during COVID times and have conducted >100 events (webinars, Science Camps and Training Programmes) reaching out to more than 8000 students, teachers and general public. We had the privilege of having some eminent personalities like, Ms. Jaspreet Talwar, Principal Secretary to Govt. of Punjab, Sh. Kamlesh Kumar Pant, Principal Secretary, Environment, Science & Technology, Govt. of Himachal Pradesh, Sh. Basanta Rajkumar, Chief Conservator of Forests, Punjab, as well as, experts from IIT and IISER. The Mathematics week was celebrated in association with Himachal Pradesh Council for Science, Technology and Environment (HIMCOSTE) in which approx. 800 students participated. Similarly, we collaborated with Rotary International for viewing of the rare celestial event - THE GREAT CONJUNCTION under our Night Sky Watching program. I am also glad to inform that Two Ideas (Currency Sanitizer and Fire escape) of Innovation Hub members of Science City, have been selected (with award of Rs.10,000/- each) under INSPIRE award MANAK scheme of DST, Govt. The Ideas are being mentored further to develop these for second round of competitions.

The year 2020 has taught us crucial life lessons on adaptation, respecting pain, empathy, patience and minimalism. The challenges faced by all of us have helped us to learn new skills, evolve mature and grow stronger. It has helped us to respect our traditional wisdom and appreciate the science behind it.

As we look back at 2020 with respect and gratitude for helping us realize what we have (rather than what we did not get), we hope that you step into the New Year with lots of happiness and good health. Let's pledge to keep the energy and enthusiasm for science learning high as we move into 2021.

This New year, we have brought out our e- calendar which can be accessed at our website or through [url: http://www.pgsciencecity.org/assets/media/library/1609467484_Calendar_2021.pdf](http://www.pgsciencecity.org/assets/media/library/1609467484_Calendar_2021.pdf) on your browser. Let us punctuate it with all the scientific activities which we hope to participate in during 2021.


Wishing you all the best and Happy reading.

Dr. Neelima Jerath
Director General

Wildlife Week celebration (October 2-7, 2020)

Pushpa Gujral Science City organized a webinar on October 4, 2020 on "Impact of Corona Pandemic on Wildlife" as a part of Wildlife Week celebration. The objective of the event was to raise awareness among participants about conservation and sustainable management of wildlife resources. Dr. Neelima Jerath, Director General, Science City said that human actions including deforestation, encroachment on wildlife habitats, intensified agriculture and acceleration of climate change have pushed nature beyond its limit. Further, she added that about one million species of flora and fauna have already become extinct due to deforestation and 50,000 species were being lost annually that was creating an imbalance in our eco-system. If we continue on this path, wildlife loss will have severe implications on humanity, including the collapse of food and health systems. The emergence of Covid-19 has underscored the fact that, when we destroy forests, we destroy the system that supports human life. Nature is sending us a message which we need to decode and take collective action. Sh. Basant Rajkumar, Chief Conservator of Forests, Punjab was the guest speaker at this occasion.

An e-book titled "The Lost Species" portraying extinct animals and plants was released at the occasion to mark the celebration of Wildlife Week. The e-book can be accessed at http://www.pgsciencecity.org/assets/media/library/1601795078_ebbokwildlife.pdf



"The world is fighting against an invisible opponent that has forced us all to push the pause button in our lives. This global pandemic has set off a ripple effect across the nations. This crisis has also had a deep impact on wildlife. While the world has come to a complete and utter standstill, nature seems to be reclaiming its territory, and the wild animals near urban cityscapes are taking this opportunity to step beyond the comforts of their forested homes".

Basant Rajkumar, Chief Conservator of Forests, Punjab



Webinar on Mind and Memory Skills (October 10, 2020)

The webinar was organized to give the participants certain powerful strategies to improve their memory in more empowering ways. The webinar was attended by more than 200 participants including students and teachers. Dr. Rajesh Grover, Director, Science City in his welcome address said that memory training is very vital for young generation keeping in view increasing competition level among students. Sh. Kunwer Rajeev, Associate Professor, Multiple memory record holder & renowned Mind and memory trainer was expert on this occasion. He said that memory is needed in every single moment of our lives. The way we use our memory decides what we become since in any profession / occupation, Memory Management Skills can prove to be a priceless asset and lead to improved productivity and profits. He stressed on the importance of registering, reviewing and recalling our thoughts to sharpen our memory. He also demonstrated some basic tips and techniques for students to improve their memory.



Webinar on Rediscovering Snakes November 11, 2020



The webinar was organized to address the gap between the conservation needs of snake species and the human-snake conflict solutions that exist in communities around the world. The webinar was attended by more than 200 participants including students, teachers and general public. Sh. Yash Singh, Snake conservationist & Wildlife Photographer, was the guest speaker at the occasion.

"Biodiversity plays an important role in maintaining the health and ecological balance in an ecosystem. All species are in a complex food web and help to maintain a population balance, e.g., without snakes the number of prey species would increase to unnatural levels and destroy ecosystem stability."

Dr. Neelima Jerath
Director General, Science City

"India has the largest number of snake bite deaths. There is an urgent and inescapable need for us to understand the way to safely coexist with snakes and take necessary precautions to bring down the number of snakebite cases. Further, there are about 3,600 species of snakes globally. India has more than 300 species of snakes, with more species being discovered now with more people working in the field and use of latest technology. Most snake bites are received by people who try to capture or kill a snake. When left alone, snakes present little or no danger to people. Snakes usually prefer to retreat when encountered but can become defensive if threatened".

Yash Singh, Snake
conservationist & Wildlife Photographer

State Level Orientation meet for Teachers of Punjab under Children Science Congress-2020 (October 22 & 23, 2020)

Punjab State Council for Science & Technology and Pushpa Gujral Science City organized State Level Orientation Meet for Teachers of Punjab under Children Science Congress-2020. The theme for CSC 2020 is Science for Sustainable Living. Approx. 300 teachers participated in the event. Children's Science Congress is a nationwide Science Communication programme of National Council for Science and Technology Communication (NCSTC), Department of Science and Technology, Gol, which started in the year 1993. Students are motivated to undertake research projects and present their findings in the school in the first instance. Projects finalized at the school level are presented at the District level competition where various schools participate and compete for State level selection. Dr. B.S. Sooch, Astt. Prof., Punjabi University and State Academic Coordinator, Dr. Preeti Khetarpal, Central University of Punjab, Dr. Minnie Singh, Associate Prof., Punjabi University, Patiala, Dr. L.P. Singh, Prof., NIT, Jalandhar, Dr. Deepika Sharma, Scientist and Incharge-Science Communication, INST, Mohali and Dr. Manveer Kaur, Asstt. Prof. PAU, Ludhiana were the resource persons for the orientation meet.

SPREADING SCIENCE COMMUNICATION THROUGH JOURNALISM NEED OF THE HOUR: WEBINAR ORGANIZED ON SCIENCE JOURNALISM

Science City jointly with Vigyan Prasar organized the webinar on Science Journalism to promote scientific temper and develop a spirit of enquiry in society. The webinar was attended by 300 participants including students and teachers of Journalism & Mass Communication from Universities and colleges from different parts of country. Dr. Nakul Prashar Director, Vigyan Prasar was the chief guest during the webinar. An online short film making competition based on Covid-19 was organized by PGSC. More than 60 short film entries were received from participants. Out of these, three best short films were selected for the award. Mrs. Alka tomar, President and founder of Centre for Environment communication New Delhi was the Jury head of this event. She appreciated the efforts of Science City and declared the result of Short film competition.

"The media coverage of the scientific events and programmes related to development of scientific temper and sustainable development has been steadily increasing."



Dr. Rintu Nath, Scientist F
Vigyan Prasar

"The developments and advancements in science and technology has benefited the society and the common man in a fight against Covid Pandemic and social evils, like superstitions, etc., while generating self-confidence, courage and faith in them. It has thus become necessary that we take such measures and make such efforts that promote scientific temper in the society."

Dr. Nakul Prashar
Director, Vigyan Prasar

"Science journalism in India is yet to come out of its present stage of infancy and a good deal still remains to be done in this field."

Dr. Neelima Jerath
Director General Science City



JURY HEAD
(ONLINE FILM MAKING COMPETITION)
Ms. Alka Tomar
President & Founder,
Centre for Environment Communication

Webinar on Green Diwali



A webinar on "Green Diwali" was organized on November 07, 2020. Dr. V.K Garg, Professor, Centre for Env. Sci and Tech, Central University of Punjab and Dr. Kinder Pal Banger, TB and Chest Diseases Specialist, Civil Hospital, Kapurthala were the resource persons. Dr. Garg spoke on Green Crackers and Dr. Bangar on Burning Crackers and Health Issues

"If stories on science and technology are packaged and presented intelligently and skillfully, it can definitely draw attention of the common man from the clutter of entertainment programmes."

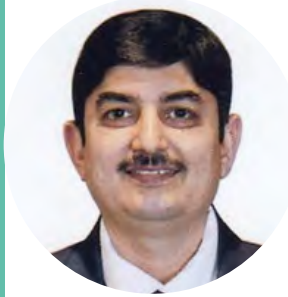
Anju Agnihotri

Senior Correspondent, Indian Express



National Pollution Control Day (December 2, 2020)

PGSC in association with NABARD organized webinar on "Monitoring and assessment of crop residue burning using satellite remote sensing". Dr. Vinay Kumar Sehgal, Professor and Principal Scientist, Dept. of Agriculture Physics, Indian Agriculture Research Institute (IARI) was the keynote speaker. Dr. Rajiv Siwach, Chief General Manager, NABARD, Punjab Regional Office, Chandigarh was Guest of honour on the occasion. An Online Slogan Writing Competition was organized. About 217 students participated in the competition.



Dr. Rajiv Siwach

Chief General Manager
NABARD, Punjab Regional
Office, Chandigarh

Dr. Vinay Kumar Sehgal
Prof. & Principal Scientist Div.
of Agricultural Physics,
Indian Agricultural Research
Institute (IARI), New Delhi



Gandhi Jayanti celebration (October 2, 2020)

A special Talk on 'Gandhi, Science & Sustainable Development' was organized at the occasion of Gandhi Jayanti. Demonstration on 'Make an e-charkha' was also given at this occasion.

International Day for Disaster Reduction (October 13, 2020)

International Day for Disaster Reduction was organized by PGSC to provide first hand information to masses about disaster risk reduction and to raise awareness among masses about the techniques of disaster risk reduction. Sh. Ravi Kumar Pandita, Commandant, 7th BN NDRF was the resource person. Approx. 500 participants (Students and General public) participated in the event.

National Energy Conservation Day-2020 (December 14, 2020)

To create awareness among masses about sustainable development methods and to make masses aware about the need of conservation of energy and energy resources, National Energy Conservation Day was organized in association with Punjab Energy Development Agency. Sh. Money Khanna, Project Engineer, PEDDA Chandigarh and Sh. Sharad Sharma, Project Engineer, PEDDA Chandigarh were the key resource persons. At this occasion, Online competitions: Project/Model Display and Declamation contest were organized. Approx. 300 students participated in the event.



Webinar on The Science behind the Traditional Fabrics of India and the Fashion World (December 19, 2020)

India is known for its textiles over the world. The earliest surviving Indian cotton threads date to around 4000 BC and dyed fabrics from the region are documented as far back as 2500 BC. Textile production and manufacturing involves a lot of scientific innovation and technological intervention which can contribute significantly towards sustainable livelihoods and eco-friendly development. To take the science behind the textiles to the masses, Pushpa Gujral Science City organized a webinar on 'The Science behind the Traditional Fabrics of India and the Fashion World'. The webinar introduced the participants to the world of textile crafts of India and make them understand the finer details of traditional textile crafts and the fashion world. Ms. Jaspreet Talwar, Principal Secretary to Govt. of Punjab was the Chief Guest. While addressing the participants she said, "India's textiles sector is one of the oldest industries in Indian economy dating back several centuries. Archaeological surveys and studies have indicated that the people of Harappa civilization were familiar with weaving and the spinning of cotton for as long as four thousand years ago. Reference to weaving and spinning materials is also found in the Vedic Literature and block printed and resist-dyed fabric, the origin of which is from Gujarat, were found in the tombs of Misr-Al-Fustat, Egypt, thus, indicating the export of Indian cotton textiles to the Nile Civilization. Large quantities of Indian silk were traded through the silk route to the western countries"

Dr. Neelima Jerath, Director General, Science City said that Science has played a major role in promotion of handlooms, handicrafts and sericulture besides technological contributions in weaving, spinning, dyeing and garment production through textile engineering. She informed that innovation Science and Technology have helped to develop new types of clothes, the latest being "Sustainable fabrics", like paper cloth (used in high fashion clothing), from Pineapple, Micotex from mushroom, Orange Fibre Cloth, Eucalyptus yarn and cactus leather. It has also contributed in preservation of traditional fabrics like vicuna wool, Alpaca wool, Cashmere wool, Shahtoosh, etc through Biodiversity conservation. The expert speaker Dr Harpreet kaur, Head, Department of Fashion Design, KMV College, Jalandhar introduced the participants to the world of textile crafts of India and made them understand the finer details of traditional textile crafts and the fashion world. She explained the science behind the fabrics, the various scientific methods and techniques used in the manufacturing and designing of the fabrics. While concluding, she said, "Everyone should adopt and purchase traditional Indian handicrafts as not only are they most suitable as per weather but also made with fabrics dyed with natural dyes which are non-allergic. Moreover we contribute in preserving our rich heritage and provide sustainable livelihood to artisans too. So, we do our bit as Sustainable Consumers by adopting 3P's of Planet, People and Profit!".



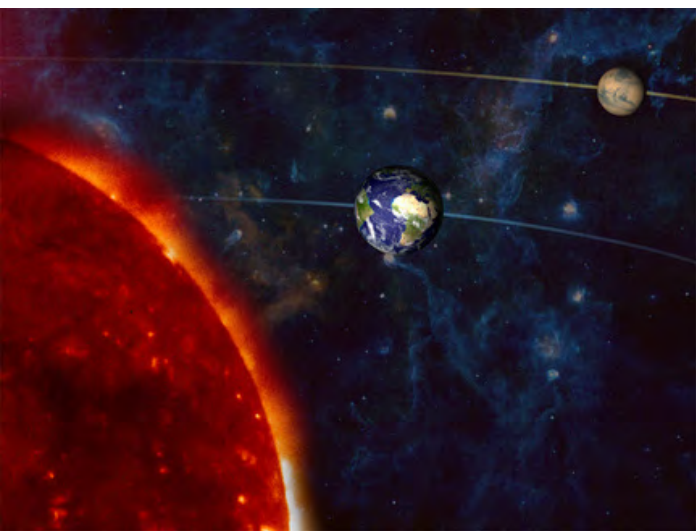
Ms. Jaspreet Talwar
Principal Secretary to Govt. of Punjab



Dr. Neelima Jerath
Director General, Science City



Dr Harpreet kaur
Head, Department of Fashion Design
KMV College, Jalandhar



Mars at its closest opposition: Webinar Organized (October 13, 2020)

Opposition is the best time to view Mars. During this time, Mars appears as a bright star to the unaided eye. A webinar on Mars at its closest opposition as organized.

National Mathematics Week

PGSC, in association with Himachal Pradesh State Council for Science, Technology & Environment, celebrated National Mathematics Week from December 19-22 by organizing on-line workshops and webinars. Around 800 Students from different schools of Himachal Pradesh participated in various events. Sh. Kamlesh Kumar Pant, Principal Secretary, Environment, Science & Technology, Govt. of Himachal Pradesh was the Chief Guest at this occasion. He said that the HP Govt. was conscious of the need to strengthen teaching of Mathematics in schools as the subject cuts across all other subjects including Science, Engineering, Economics, Commerce, Social Sciences, etc. and was a requisite skill for all. Sh. S.K. Mokhta, Member Secretary and Sh. Nishant Thakur, Joint Member Secretary, Himachal Pradesh Council for Science, Technology & Environment were the Guests of Honour at this occasion. Sh. Mokhta said that the most important reason to celebrate National Mathematics Day was to raise awareness in people on the importance of mathematics and the integral part it plays in the development of humanity. Sh. Nishant Thakur spoke on the impact of Prof. Srinivas Ramanujan's work on development of mathematics. He informed that the day is celebrated to commemorate his birthday. Speaking at the occasion, Director General Science City, Dr. Neelima Jerath informed that PGSC is working to set up a Mathematic Gallery which will have hands-on exhibits on different concepts of Mathematics and will allow the visitors to get involved and experience mathematical phenomena themselves. It will also be helpful in improving the mathematical skills among students, as well as, teachers. Further, she said that as per National Achievement Survey (NAS) conducted by the Union Ministry of Human Resource Development (MHRD) to assess competency levels in mathematics, only 44% students from class 5 and 32% students from class 8 could respond to questions meant for class-appropriate competencies correctly. Hence, increase in non-formal methods in mathematics education is especially critical at this point of time, not only to help students understand mathematical concepts and apply skills to everyday situations, but also to reduce anxiety of children towards mathematics learning and to kindle their interest in the subject. Dr. Amit Kulshreshta, Associate Professor & Head, Mathematical Sciences, IISER Mohali was the keynote speaker. In his eloquent talk he highlighted that mathematics was much beyond numbers and is related to patterns, formulae and functions. Dr. Jaswinder Singh, Lecturer, Department of School Education, Punjab, gave the practical demonstration on understanding math's using teaching aid kits to students of class 9 to 12 standard on 19th December and class 6 to 8 on 20th December. Sh. Akashdeep Singh, PGSC explained the Great Conjunction and the use of mathematics in Astronomy on 21st December.



Sh. Kamlesh Kumar Pant, Principal Secretary, Environment, Science & Technology, Govt. of Himachal Pradesh



Sh. S.K. Mokhta, Member Secretary Himachal Pradesh Council for Science, Technology & Environment



Sh. Nishant Thakur, Joint Member Secretary, Himachal Pradesh Council for Science, Technology & Environment



Dr. Amit Kulshreshta, Associate Professor & Head, Mathematical Sciences, IISER Mohali



Dr. Jaswinder Singh, Lecturer, Department of School Education, Punjab

Science Fest 2020

Innovation Hub, Pushpa Gujral Science City jointly with Grassroots Innovations Augmentation Network (GIAN) organized Science Fest-2020 from November 28-29, 2020 to provide a platform to the school students to display their innovative creations as well as an opportunity to the students to showcase their talent and vision. It was intended to encourage love for Science among the youth through enquiry-based learning and to convert their imaginative ideas into real life models/ projects. 230 students from different schools of Punjab participated with their interactive innovative models. In view of Covid pandemic, the Science Fest 2020 was organized in an online mode. Dr. Soumik Siddhanta, Assistant Professor, Indian Institute of Technology, Delhi delivered a talk on Small world, Big Ideas: The future of Nano Technology. He said that Nano technology is an emerging field and is creating many new materials and devices with a vast range of applications in areas ranging from Agriculture, Medicine to Energy and Environment. Further, he demonstrated how to make gold and silver Nano particles and their exciting applications. Cash Prizes ranging from Rs. 1000 to Rs. 5000 were awarded to the winners and participation certificates were awarded to all participants.



Dr. Soumik Siddhanta
Assistant Professor, Indian Institute of Technology, Delhi

Conjunction of Saturn and Jupiter (December 21, 2020)

Science City, in collaboration with Rotary International, offered opportunity to more than 200 students to watch live a rare celestial event as the Planets Jupiter and the Saturn appeared to merge and looked like a single bright star, in what is called the "Great Conjunction". This Conjunction is an astronomical event that occurred on December 21, 2020. Saturn and Jupiter, the two largest planets of our solar system, nearly overlapped by coming as close as 0.10, an event that hasn't been visible since the Middle Ages. The program was organized at Khalsa Sen. Secondary School, Kharar. Rtn. Manmohan Singh, Member, Punjab Infrastructure Regulator Authority, Dr Neelima Jerath, DG, PGSC and Sh. Himanshu Jain, SDM Kharar were present at the occasion. The occurrence of this celestial event is so rare that the last time this conjunction happened was about 400 years and the last time it could be actually seen was in 1226.



Rtn. Sh. Manmohan Singh
Member, Punjab Infrastructure
Regulator Authority



Christmas celebration at PGSC

FROM THE INNOVATION HUB

Fun with Accelerometer Sensors using Arduino

The workshop was organized online on Oct 05 & 06, 2020. The students learnt about Arduino Interfacing with Accelerometer Sensor.

Lets Make Circuit

The workshop was organized on Oct 07 & 08, 2020. The students learnt Simple technique to design circuits.

Automate your Home

The workshop was organized on Oct 15 & 16, 2020. The students learnt how to automate home using sensors.

Let's make Spy-Cam out of Waste

The workshop was organized on Oct 21 & 22, 2020. The students learned how to make home-made Spy-Cams .

Arduino Microcontroller

The workshop was organized on Oct 23 & 24, 2020. Students learnt about Arudino Microcontroller working.

Food Adulteration

The workshop was organized on November 1 & 2, 2020. Various easy to do experiments to check adulteration in food were performed. Students performed the same hands on activities at home to understand the concepts and techniques to check purity of food items.



Science Toy Making

The workshop was organized on November 3 & 4, 2020. Students learnt to make science toys based on scientific principles like Bernoulli's, Centre of gravity, internal reflection etc.. Students constructed their own toys using simple things at home.

3 D Printing

The workshop was organized on Nov 5 & 6, 2020. Students learnt about about working action and principles of 3D Printer.

Kabad se Jugad

The workshop was organized on Nov 9 & 10, 2020. Students learnt how to make useful items and projects from kabad or wasteful items at home in an effective manner.



Congratulations

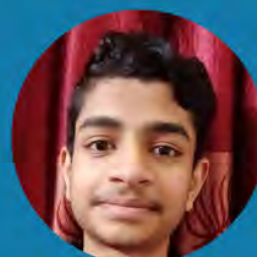
PUSHPA GUJRAL SCIENCE CITY

congratulates its **INNOVATION HUB** members for selection
of their Innovative Ideas in

INSPIRE Awards - MANAK (2020), DST, GoI



Dushyant Verma
KV-2, RCF, Kapurthala



Satvik
KV-2, RCF, Kapurthala

ONLINE SCIENCE CAMPS



Amazing Candle Science

The training was organized on 01.10.2020 & 02.10.2020. Some interesting experiments like, Oxygen Required For Burning, Rise in water, Crushing of Bottles, Which candle goes off First?, Candle burning under water in Bowl, Air convection, Light candle by smoke, See Saw, etc were taken up.

Meet the Planets

The training was organized on 03.10.2020 & 04.10.2020. The objective of the training was to start off understanding of our incredible and fascinating planets, solar system and everything within.

Super Fun: Kids Science Experiments

The training was organized on 09.10.2020 & 10.10.2020. The participants were demonstrated fascinating hands-on experiments that are a great way to enjoy the world of science.

Animation using Flash

Adobe Flash animation is an animated film that is created with the Adobe Animate (formerly Flash Professional platform or similar animation software and often distributed in the SWF file format. The training was organized on 13.10.2020 & 14.10.2020.

Common errors in mathematics

The training intended to develop an understanding of learner errors and misconceptions and how these errors and misconceptions can be embraced in the teaching and learning of mathematics. Participants also got an opportunity to discuss and identify the mathematical content needed to answer the question, analyse the correct answer and then analyse the incorrect answers, identifying the reasons for learner errors and the misconceptions that produce these errors. The training was organized on 17.10.2020 & 18.10.2020.

How to shoot with a Camera

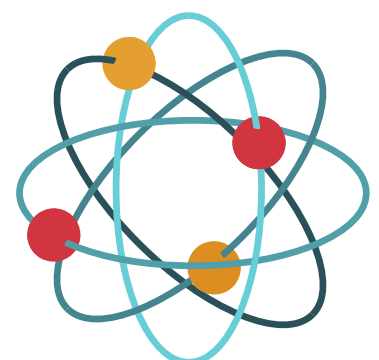
The training was organized for students on 21.10.2020 & 22.10.2020. The training included an overview of camera settings, discussions on technical limitations, workarounds, feature demonstrations, and shooting assignments. It also included approaches to file management, sound, and the use of camera accessories.

Tricks with balls

The training was organized on 26.10.2020. Tricks with Balls like Centrifugal Force, Surface Tension, Floating Ping Pong Ball (Bernoulli's Principle), Air Pressure, impact on Ping pong balls sci experiments, Antigravity experiment, etc were conducted.

Online quiz

An online Science quiz was organized for the students on 29.10.20 for students of 9th and 10th standard.





OUR WINNERS

NATIONAL POLLUTION CONTROL DAY

Slogan writing contest

- 1st Prize:** Kashish Dhillon, DIPS, Rayya, Amritsar
2nd Prize: Gaurav, Government Middle School, Bashesharpur, Jalandhar
3rd Prize: Simranpreet Kaur, Sant Sar Public Senior Secondary School, Butala, Amritsar

APPRECIATIONS

Gurkaran Singh, Akal Academy, Dhindsa, Ludhiana
 Tamanpreet Kaur, Akal Academy, Dhindsa, Ludhiana
 Aditi Sanskriti KMV School, Jalandhar
 Yashkaran Rattu, Government Senior Secondary School, Gandhi Camp, Jalandhar
 Raguvir Kalra, Christ King Convent School, Kapurthala
 Avneet Kaur, Kinchin Krishan Memorial Model High School, Kishanpura, Jalandhar

ENERGY CONSERVATION DAY

Declamation Contest

- 3rd Prize:** Piya Khurana, Sat Paul Mittal Public School, Ludhiana
2nd Prize: Mahavir Singh Sainik School, Kapurthala
1st Prize: Abza Dorbala, Kamla Nehru Public School, Phagwara

Project/ Model Display

- 3rd Prize:** Sourav Chadha, Kamla Nehru Public School, Phagwara
2nd Prize: Harnoor Kaur, Y S Public School, Barnala
1st Prize: Anshpreet Singh, Govt Senior Secondary School, Kartarpur

SCIENCE JOURNALISM

Online Film Making Competition

- 1st prize:: Gaganpreet Kaur, Kamla Nehru Public School
 2nd prize: Sanjana, GMS Kamalwala Khurd
 3rd prize: Garv Bhupesh Verma, Chitkara University, Rajpura

APPRECIATIONS:

Kamalpreet Kaur Kamla Nehru Public School, Phagwara
 Harshwardhan Sharma, SD College, Chandigarh



GIAN

WINNERS

OF

THE 2020 SCIENCE FEST



1st Prize
Rs. 5,000/-



Namya Joshi
Sat Paul Mittal School, Ludhiana
Project Title: Sustainable World = Better World

2nd Prize
Rs 3000/-



Ritesh Kapoor Chetan Kashyam
B.C.M School, Chd. Road, Ludhiana
Project Title: Techno kit against Covid-19

3rd prize
Rs 2000/-



Nimrat Kaur Khabra
GMSSS, Phase 3 B2 Mohali
Project Title: My Smart Dustbin

1st Consolation
Rs 1000/-



Bhavya Goyal Vanipreet
Spring Dale Public School, Ludhiana
Project Title: Thrifty LSS

2nd Consolation
Rs 1000/-



Manmohit Singh
Chitkara Int. School, Chandigarh
Project Title: Wind Tower

3rd Consolation
Rs 1000/-



Vamsi Sharma Mannat Syal
Cambridge Int. School Co-ed, Jalandhar
Project Title :Drip Irrigation

Organized Jointly By: INNOVATION HUB, Pushpa Gujral Science City
& Grassroots Innovations Augmentation Network (GIAN)

Bookings

Ticket (in rs)	Student/Teacher/ Children	Adult	Family
Entry Ticket (Galleries & Dinosaur Park)	105	155	470
Package Ticket (Entry to galleries, Large Format Theatre or Digital Planetarium, Laser Show, 3D Show, Climate Change Theatre)	265	355	1120
Package Ticket > 25 Group	255	345	1070
Complete Package Ticket [Digital Planetarium or Large Format Film (Any one), Flight Simulator, Earth Quake Simulator, Laser Show, 3D Show, Climate Change Theatre, Galleries & Exhibits]	305	425	1320
Complete Package Ticket > 25 Group	285	405	1270

Minimum 500 students	10% on prevailing ticket rates
Between 501 and 1000 students	12.5% on prevailing ticket rates
Above 1000 students	15% on prevailing ticket rates

Note: Food coupon worth Rs 20 in the ticket

ANNUAL MEMBERSHIP SCHEME

Student / Teacher: Rs 570/-
Adults: Rs 810/-
Family (2 Adults + 2 Children (<18 yrs)): Rs 2500/-
To know about membership benefits, please
contact:
Dr. Munish Soin, Scientist C; M: 8146580387

HOSTEL FACILITY FOR STUDENTS/TEACHERS

AC accommodation for 100 students and 10 teachers is available. Separate arrangement for boys and girls.

Stay charges: Rs 150/- per person (Food charges extra). For hostel booking, contact: Ms Harsimran Arora; Phone: 01822-501963, 501964

Weather permitting, Science City provides Night Sky Watching facility when clear sky offers best view of the planets. Students/ Teachers: Rs 30/-, General Public: Rs 50/-, Family: 150. For more details & reservations, please contact: Mr. Akashdeep Singh; Mobile: 9855015591; E-mail: akashds13@gmail.com

BUSINESS OPPORTUNITIES

Register yourself as a Tour Operator or Be our Sponsors. For More Information, Please Contact:
Sh. Sheeraj Batish (DGM, Mktng & PR) @ 998847443 or sheeraj_batish@hotmail.com



<https://www.facebook.com/Pushpa-Gujral-Science-City-Kapurthala-260287614104057/>



https://twitter.com/sciencecity_GoP

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