

SCIENCE FEST-2010

19-20 November, 2010
Jointly organized by the
Science City and Punjab Infotech

LET YOUR IMAGINATION SOAR AND DELVE INTO THE REALM AND DIVERSITY OF SCIENCE- OPPORTUNITY IS HERE.

Pushpa Gujral Science City in collaboration with Punjab Infotech is organizing the first Science Festival which will provide a platform to display your ideas and innovative creations. It is intended to encourage a love of science among the youth through **enquiry-based** learning and to convert their imaginative ideas into real life models / projects and several other creative and skill enhancing activities.

Where: Pushpa Gujral Science City, Jalandhar-Kapurthala Road, Kapurthala

Who can participate?

Category I: 9th -12th standard

Category II: 5th – 8th standard

Entry Fee- Fee can be deposited on the spot if the registration for the competitions is already submitted.

For Innovative Projects/Models: **Rs 100/-**

For Other Competitions: **Rs 50/-**

What are the competitions?

For Category I Only:

➤ **Display of Innovative Projects/Models**

Science city invites innovative projects from young students allowing them to explore and enhance their path-breaking ideas. The primary objective of this competition is to infuse a spirit of discovery in school children, promote hands-on exploration and investigative learning in different areas of science and technology, and unearth innovative ideas that can change the world around us.

WHO CAN PARTICIPATE:

9th -12th standard

The Project/model display is open to all students from class IX to XII. If you have an idea that is original and innovative, you are eligible to participate.

SUBJECT CATEGORIES:

- Botany
- Biochemistry
- Computer Science
- Chemistry
- Environmental Science
- Mathematics
- Physics
- Zoology

Guidelines:

- The project can be individual or a group project. A Group Project must be the work of *two or three* students only. Group projects must reflect the work of *all* members.
- **The intending participants must carry I-Card/Certificate from their respective school Principal as proof of their identity for participation in various events of science Fest-2010**
- Be sure your registration number is on front of your project. Your registration number and information will be sent via e-mail
- A concept paper must be prepared and made available along with a project data book. A concept paper helps organize data as well as thoughts. A concept paper should include the following sections:
 - a) Objectives- Concept behind the project
 - b) Materials used
 - c) Applications
 - d) Cost benefits
 - e) Analysis
- Exhibitors are responsible for setting up and removing their displays on the day of the Fair. Science City is not responsible for any projects not collected upon completion of the ceremonies on the day of the Fair.
- Plagiarism is prohibited. The project entry must be the original work of the entrant(s).

1. Allowed for display

- i) Dried plant materials if permanently sealed in acrylic or other similar material.
- ii) Soil or waste samples if permanently sealed in acrylic or other similar material.
- iii) Empty tanks that previously contained combustible liquids or gases.
- iv) Any apparatus with unshielded belts, pulleys, chains or moving parts with tension or pinch points may not be operated.
- v) Large vacuum tubes or dangerous ray-generating devices must be properly shielded.
- vi) Pressurized tanks that contain non-combustibles may be allowed if properly secured.

vii) Any apparatus producing temperatures that will cause physical burns must be adequately insulated.

2. Prohibited for display

- i) Living organisms.
- ii) Taxidermy specimens or parts.
- iii) Preserved vertebrate or invertebrate animals.
- iv) Human/animal parts or body fluids (e.g., blood, urine).
(Exceptions: teeth, hair, nails, dried animal bones, histological dry mount sections and completely sealed wet mount tissue slides)
- v) Human/animal food.
- vi) Laboratory/household chemicals.
- vii) Poisons, drugs, controlled substances, hazardous substances or devices (e.g., firearms, weapons, ammunition, reloading devices)
- viii) Dry ice or other sublimating solids.
- ix) Sharp items (for example: syringes, needles, pipettes, knives)
- x) Flames or highly flammable display materials.
- xi) Batteries with open top cells.

SELECTION CRITERIA

A team of scientists will evaluate all projects. The criteria of evaluation would be:

- | | |
|---------------------|-----------------------|
| 1) Creative ability | 2) Thoroughness |
| 3) Skill | 4) Clarity |
| 5) Teamwork | 6) Scientific thought |

THE AWARD

We award all students who make a good effort! Based on rigorous screening process, the first three innovations would be awarded Rs 25,000, Rs 20,000 Rs 15,000 and two consolation prizes of Rs 5,000/- each.

Intending participants are required to submit a synopsis of the proposed project / model to the Science City by 30th October, 2010 by e-mail to munishsoin2001@yahoo.com or Mail to:

Dr Munish Soin

Scientific Officer

Pushpa Gujral Science City

Jalandhar-Kapurthala Road

Kapurthala(Punjab)-144301.

The selected project proposals would be communicated within a week of receipt of the synopsis.

➤ Ad Mad Show

- ❖ It will give a platform to young talented people to showcase their abilities to perform yet be creative. The teams will be given a theme or a product on which they were supposed to create ads and perform in front of a live audience.

Guidelines:

- A team of 3-4 members from each school.
- Participants will have to make an advertisement of the product provided on the spot.
- Participants will be provided 15 minutes to think and create an advertisement and another 5 minutes to present the ad.
- There should be a punchline and jingle for the product.
- Ad could be in English, Hindi or Punjabi.

1st Prize	Rs 5,000/-
2nd Prize	Rs 3,000/-
3rd Prize	Rs 2,000/-

➤ Logo design

❖ We invite talented students to design a logo for Science City.

Eligibility: The contest is open to all students from 9th to 12th standard.

1st Prize	Rs 2500/-
2nd Prize	Rs 1500/-
3rd Prize	RS 1000/-

How to Enter: There are two ways to submit the logos: To enter online: e-mail us at munishsoin2001@yahoo.com.. To enter by mail: Mail to:

Dr Munish Soin

Scientific Officer

Pushpa Gujral Science City

Jalandhar-Kapurthala Road

Kapurthala(Punjab)-144301.

All designs must be received by October 30th,2010

The winners will be announced at Prize Ceremony on November 18,2010 at Science City.

Entry Details:

- All designs must be submitted on blank white paper along with an entry form taped to the back.(please don't fold!)
- Entries may be created in the artistic media the designer feels best to present their proposed logo. This might include: pen, pencil, or marker drawings, paint, or computer assisted drawings.
- It is recommended that design entries be no smaller than approximately 3" x 3" and no larger than 6" x 6".

- All entrants must certify (on the entry form) that the design is their own original work.
- All entries must be accompanied by a brief summary of logo, objectives etc. This is a statement that describes what you are trying to say or explain, the message you are trying to deliver, the story you are trying to tell in regard to the content of your entry. Even good designs require explanation.
- In the unlikely event a design is submitted that is virtually the same as (not distinguishable from) a previously submitted design, the judging panel will deem the first design received as the entrant and reject the design received at a later time/date.
- Multiple entries from a single participant are permitted.

For Category I and II

- **Painting/Poster Making**

The participants will compete in two categories:

Category I: 9th -12th standard

Category II: 5th – 8th standard

Themes: Category I: World 2050
Equal India

Category II: My India 2050
My Future School

	Category I	Category II
1st Prize	Rs 5,000/-	Rs 4,000/-
2nd Prize	Rs 3,000/-	Rs 2,000/-
3rd Prize	Rs 2,000/-	Rs 1,000/-
Consolation Prizes(2 for each category)	Rs 1,000/-	Rs 500/-

- Medium for category I: Crayons or Water colours
Medium for category II: Oil/Dry pastels, Poster colours or water colours on paper
Science City will provide the participants with crayons, water colours, oil / Dry Pastels, chart papers, brush etc on the spot.

- The participants may consider the following points while painting.
 - Relevance of the theme depicting the selected topics
 - Slogan, Caption, Legend may be used for more clarity
 - Effective communication of message selected
 - Innovativeness/creativity/novel ideas/new techniques as reflected in the painting
- The participants will be given approximately 2 hours.
- The back of the painting should carry the following information:
 - Name of the Student
 - Father's/Mother's Name
 - Class
 - School Name & Address
 - Tel No. of Student
 - E-mail ID of Student

➤ **Quiz contest**

The quiz will be held in two categories

Category I: 9th -12th standard

Category II: 5th – 8th standard

	Category I	Category II
1st Prize	Rs 5,000/-	Rs 3,000/-
2nd Prize	Rs 3,000/-	Rs 2,000/-

For both the categories, the following shall hold:

- Each team shall have two members only.
- The quiz will be conducted in two rounds:

i) Screening Round:

There will be screening round.

All the participants can participate in the screening round, from which 6 teams will be selected and those 6 teams will participate in the further rounds of the quiz

ii) Final Round:

Science round

- 1) Each team will be asked 10 questions.
- 2) Time of 30 seconds for each answer.
- 3) No negative marking for wrong answer.
- 4) 10 marks for right answer.
- 5) The question can not be passed.

Memory round

- 1) 20 words will be spoken out and they have to be written on paper within one minute.
- 2) Any one participant from each team can write the answer on paper. Paper will be provided.
- 3) Sequence is not important for the words.
- 4) 10 marks for each right word will be given.
- 5) -5 marks for wrong answers.

Visual round

- 1) There will be two rounds.
- 2) Each team will be shown 1 slide in each round
- 3) 10 marks for right answer and -5 for the wrong answer
- 4) No passing to the team. Audience can answer.

Rapid fire round for 1st and 2nd highest scoring teams.

- 1) Each team has to answer maximum questions in 30 seconds.
- 2) 10 marks for right answer, -5 for wrong answer.

Tie question will be asked in case there is tie between the teams.

All the decisions taken by authority and the quiz masters will be considered as the final decision

Other Attractions:

- Visit to the Science City
- Kit based activities
- I-MAX film the Magic of Flight
- Ride in the Flight Simulator
- Laser Show
- 3-D Show
- Transparent Man Theatre Show
- Earthquake Simulator Ride
- Show by Tarksheel society on Science Behind Magic
- Night Sky Watching Session (for those opting to stay overnight)

PGSC invites students to take up the challenge to participate in this learning and fun-filled event. Make a difference!

May this event be the springboard for your exploration onto the exciting world of Science and Technology.

REGISTER NOW AND WATCH YOUR BIG IDEAS TAKE OFF!

Registration Deadline:

For innovative project/model display: October 30th, 2010

For other Competitions: October 30th, 2010

Contacts:

For Competitions:

Dr. Munish Soin
Scientific Officer
Pushpa Gujral Science City
Jalandhar-Kapurthala road, Kapurthala
e-mail: munishsoin2001@yahoo.com
Mobile: 98142-90387

Dr. Loveleen Brar
Project Co-ordinator
Pushpa Gujral Science City
SCO 60-61, Sector 34-A
Chandigarh
e-mail: loveleen_brar@ymail.com
Mobile: 99883-84330

For Sponsorship Details:

Sh. Sheeraj Batish
Senior Manager (Marketing)
e-mail: sheeraj_batish@yahoo.com
mobile: 99884-74433

Sh. Rohit Gupta,
Assistant Manager (Marketing),
e-mail: rohitpgsc@gmail.com
mobile: 94179-70555