



Delhi Public School Society
Annual Inter-DPS Science Festival -2018 National Level

Annexure -1

Category A

Participation: All Delhi Public Schools	
Only entries invited. All entries to reach DPS Mathura Road by Wednesday, 10 th October 2018	
Category – A : Activities	Participation
A-I BOOK OF IDEAS	One entry per school : Team of 4 students of Classes IX & XI
A-II SHOWCASE – Short Film	One entry per school : Team of 4 students of Classes IX & XI
A-III SCI-TOON- The Comic Strip Challenge	One entry per school : Team of 2 students of class VI-VIII
A-IV THE SHOW STOPPER	One entry per school : Team of 4 Students of Classes VIII, IX & XI

Activity –A-I : BOOK OF IDEAS

Topic: THE SCIENCE OF WASTE MANAGEMENT

Theme: Rubbish, garbage, litter, junk, scrap, trash. Waste is generated in various forms. Simply putting waste into a vehicle and unloading it at a dump is not the solution

The citizens, especially the young generation can contribute equally in managing the waste surrounding us. In an era of drought, climate change and food shortages, environmental pioneers



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have joined forces to help tackle one of the world's most pressing issue of waste management through technological advancement.

This activity is to encourage students to do research on ideas and technology used in for sustainable and scientific way of waste management in School and the local surroundings

Activity Guideline: Students will find out how much waste is generated in and around their school campus, their city, the types of wastes generated, the activities which contribute to waste generation and explore various eco-friendly and scientific technologies utilized in their Schools/cities for efficient waste management.

They can give suggestions on waste prevention and management strategies which could be adopted by their School in future. The students have to prepare a report on the information collected.

Entry: One per school

Language : English

Participation : Team of 4 students of Classes IX & XI

Activity submission format:

PDF file is to be sent in 300 resolution in a CD clearly labeled "WASTE MANAGEMENT IN OUR SCHOOL" and the school's name. A hard copy of the report along with photograph(s) should be sent for compilation on white A4 size sheet in maximum 2000-2500 words. The following details should be clearly mentioned at the back of entries: Competition Category, School's Name, Student's Name, Teacher's Name and Signature, School Principal's Name and Signature.

Judgment Criteria: Submitted papers will be judged on the basis of level of research done & explanation, supporting facts, relevance, outcome and overall presentation

Activity –A-II : SHOWCASE- A SHORT FILM

Theme: The 360° Science vision

Science is all around us. All we need to have is the vision, knack and tact to explore.

Activity Guideline: Prepare a documentary film on your school depicting the various scientific features like latest scientific innovation for saving energy, the architectural resilience or any other scientific phenomenon happening around in your school. This activity would help the students to observe, analyze and infer the science around.

Entry: One entry per School

Language: English, Hindi, Bilingual

Participation: Team of 4 students of Classes IX & XI **Duration:** 5-7 min

Activity Submission Format: The video should be in AVI/MP4/WMV Format. It should be submitted on CD/DVD. The following details should be clearly mentioned on the CD/DVD: Competition Category, Name of the school, Participant's Name, Teacher Mentor's Name and Signature, School Principal's Name and Signature.



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Activity –A-III : SCI-TOON-THE COMIC STRIP CHALLENGE

Theme: Wonderful Stories Behind The Scientific Discoveries

Students have to design an impressive, informative and colourful comic strip depicting the events that led to the wonderful scientific discoveries and innovations.

Activity Guideline: The students have to design a comic strip on the aforesaid theme. The entire layout should be on an A-3 sheet. Feel free to use any medium to create the story board.

Entry- One entry per school

Participation- Team of 2 students of Classes VI-VIII

Activity Submission: The following details should be clearly mentioned on the back of the A3 sheet: Competition Category, Name of the school, Participant's Name, Teacher Mentor's Name and Signature, School Principal's Name and Signature.

Activity –A-IV : THE SHOW STOPPER

Theme: INTERACTIVE INSTALLATION

Science is included in every activity in our daily lives and students are free to explore.

Activity Guideline: Students participating in this activity have to design and make an interactive scientific installation in their school premises. It may be installed in playground, near notice board, outside or inside classroom etc. where a large number of students can interact and learn scientific concept related to it. Students can play with light, sound, pendulums, swings or any other scientific tool to design their installation. The final outcome would be a video of the installation.

Main aspects of the video

1. Scientific Concept and design evolvement
2. Construction process in three stages
3. Surveying (Interviewing) the students who interacted with the final installation.

A hardcopy of the Report highlighting the main aspects of the video along with the photographs should also be sent.

Entry: One entry per School

Language: English

Participation: Team of 4 students of Classes VIII, IX & XI **Duration:** 4-5 min

Activity Submission Format: The video should be in AVI/MP4/WMV Format. It should be submitted on CD/DVD. The following details should be clearly mentioned on the CD/DVD& the report : Competition Category, Name of the school, Participant's Name, Teacher Mentor's Name and Signature, School Principal's Name and Signature.



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Category B: ONSITE EVENTS :

Venue : DPS Mathura Road

Day / Date: Saturday, November 24, 2018

Category – B Activities	Participation
B-I In-Quizitives	One entry per school : Team of 2 students of Classes VI-VIII
B-II THE Science-spiration	One entry per school : Team of 2 students of Classes VIII, IX & XI
B-III Hot Spots	One entry per school: Team of 2 students of Classes IX & XI
B-IV Fun with Science	One entry per school: Team of 2 students of Classes VI-VIII.

Activity –B-I :IN-QUIZITIVES

Theme: - Science Trivia

Entry: - One team per school



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Participation: -Team of 2 students of Classes VI-VIII

Activity Guidelines:

- There will be a written Preliminary round and top 6 qualifying teams will proceed for the main clash.
- The rules shall be announced prior to each round.
- Use of any kind of unfair means will lead to automatic disqualification.
- Points would be deducted for any violation of rules during the Quiz.
- The Quiz Master's decision would be final and binding.

Activity –B-II : SCIENCE-SPRIATION...Model Making Event

Entry: - One team per school

Participation: -Team of 2 students of Classes VIII, IX & XI

Theme: Science in service of humanity

Science has and would always be in service of humanity. Use of sustainable technology is the key to maintain balance between nature and science. There have been various advancement that have helped humanity and made life easier. Keeping the above theme in mind we invite you to present a scientific model / design / idea that you think would be of service to the Society.

Activity Guidelines:

- The exhibit can include-working model or an indigenous design of a machine or device (Highlighting the basic principles of science involved).
- Eco friendly and cost effective materials should be used.
- 2 copies of a brief write up about the exhibit must be prepared and submitted to the host school.
- Electrical points will be provided if informed in advance.
- The model can be supported with display chart, ppt etc.

Judgement Criteria : Model will be judged on basis of originality, utility, presentation and scientific approach

Activity –B-III : HOT SPOTS

Entry: - One team per school

Participation: -Team of 2 students of Classes IX & XI

Theme :The High Order Thinking Spots



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To conceptualise theory by giving practical situations and for the development of high order thinking skills, competition 'HOT SPOTS' i.e. High order thinking spots is organized .

Activity Guidelines:

- Each team will observe **High order thinking experiments /demonstrations** at different spots and will answer few questions related to the spot.
- The spots will be based on topics covered in Classes IX-XI in Physics, Chemistry and Biology.
- No. of Spots : 15
- Duration of observing and answering each spot : 5 minutes

Judgment Criteria :Marks would be awarded on the basis of the no. of questions answered correctly.

Activity –B-IV : FUN WITH SCIENCE

Entry : One team per school.

Participation: Team of 2 Students, from Classes VI-VIII.

Theme: To demonstrate an activity/experiment based on any scientific principle. The aim is to nurture the talent of the student and transforming the knowledge of science into action.

Activity Guidelines:

- One activity/experiment to be selected for the demonstration.
- 2 copies of a brief write up about the activity must be prepared and submitted to the host school.
- The participants will be given 10 minutes to setup the demonstration.
- The activity/experiments will be conducted by the students explaining, each & every step involved.
- They should be able to answer questions related to their set up.
- The activity/ experiment should be supported with display chart, ppt etc.

Judgement Criteria :Activity will be judged on the basis of originality, presentation and scientific approach.

Please contact Ms Bhavana Uppal (9425110293) for classes VI to VIII and Ms Sweeti Sharma (9425702891) for classes IX and XI.