

C I R C U L A R

Subject: Guidelines/Rules & Regulations for Organizing Science and Mathematics Exhibition (SME) and other Science Activities for Academic session 2023-24.

As we all are aware that the Directorate of Education, GNCT of Delhi organizes Science Exhibition and other science activities like Science Debate, Science Quiz, and Science Based Poster, Slogan, Science-toon every year for inculcating scientific temperament and popularization of science among its students.

In this regard, State Level Science and Mathematics Exhibition, Science Debate, Science Quiz, Science Based Poster/Slogan/Science-toon, are to be organized in the following manner:

A. State Level Science and Mathematics Exhibition:

The exhibition will be organized in three categories given as under:

Sr. No.	Category	Category Code
1.	Science Exhibition for Senior Classes (Class 9 th to 12 th)	C1
2.	Science Exhibition for Junior Classes (Upto Class 8 th)	C2
3.	Mathematics Exhibition (for all Classes)	C3

1. Theme of Science Exhibition for Senior Classes (Category C1):

“Science and Technology for Society”

Sub-themes:

1. Health
2. LiFE (Lifestyle for Environment)
3. Agriculture
4. Communication and Transport
5. Computational Thinking

Topic of one day seminar in r/o Science Exhibition for Senior Classes: “Millets for Health and Sustainable Planet”.

2. Theme of Science Exhibition for Junior Classes (Category C2): “Solution of Single Use Plastic”.

3. Theme of Mathematics Exhibition for all Classes (Category C3): “Vedic Math for Our Daily Life”.

Students will develop exhibit/working model/static model/prototype based on scientific/mathematical principles on the above-mentioned themes and sub-themes for showcasing their idea in the exhibition. Students should keep in mind that their work is innovative, problem-solving, economic, original or having improvised modifications in the existing knowledge/technology/craftsmanship etc. for the welfare of larger section of the society. The students participating under the category C1 must prepare a write-up about their exhibit/model and submit it at the time of their participation in the State Level Science and Mathematics Exhibition 2023-24.

Organizing the Exhibition at various Levels:

- 1- **School Level:** Children from all schools including Government, Government-aided, Private Unaided recognized schools of DoE, GNCT of Delhi are eligible to participate in the Exhibition. Therefore, all the HoSs of the respective schools will conduct the exhibition at school level for their students under each category code i.e. C1, C2, and C3. A panel of three Science Teachers (PGTs of Physics/Chemistry/Biology/Mathematics/Computer Science or Senior TGTs of Natural Science/Mathematics/Computer Science) headed by the HoS of the School will evaluate all the exhibit/models at school level. Thereafter, they will select only one best exhibit/model pertaining to any of the sub-themes under the main theme “Science and Technology for Society” in the category C1. They will also select one best exhibit/model from the each category of C1 and C2. Each exhibit/model can have maximum two students and one guide teacher. For selection of the best exhibit/model for Science and Mathematics Exhibition 2023-24, the criteria is given in **Annexure: V**. No remuneration will be paid to such teachers for the said purposes. After selection of one exhibits/models under each category, schools will register themselves by submitting a registration form given herewith (See Page No. 4) till **07.11.2023** for further participation at Zonal level.
- 2- **Zonal Level:** All zonal conveners under the Directorate of Education will organize the Exhibition for all the registered schools under their jurisdiction as per the schedule given in Annexure-II. One entry having only two students and one guide teacher from each category per school (i.e., maximum three entries from one school is allowed to participate at zonal level ensuring that each entry must be from different category) is permitted to participate at Zonal Level. Thereafter, the Zonal Conveners will send the details of selected entries for the 1st, 2nd and 3rd position for each sub-theme under the category C1 and the details of the first three position holder from categories C2 and C3 each to their respective Science Centre. Zonal Conveners may nominate a panel of 14 Judges for the above said purpose. The Judges should not be below the post of Principal/Vice Principal having Science Background or Sr. PGTs of Physics, Chemistry, Biology, Mathematics, and Computer Science.
- 3- **Science Centre Level:** The Science Centres will organize the Exhibition for selected entries at the zonal level as per the schedule given in Annexure-II and subsequently will send the details of the entries selected for 1st, 2nd and 3rd position for each sub-themes under the category C1 and 1st, 2nd and 3rd position from other categories C2 and C3 each to the Science Branch for further participation at State Level. In-charge of Science Centres may nominate a panel of 14 Judges for the above said purpose. The Judges should not be below the post of Principal/Vice Principal with Science/Mathematics/Computer Science Background.
- 4- **State Level:** State Level Science and Mathematics Exhibition (SME) – 2023-24 will be organized for all the entries selected by Science Centres of Directorate of Education, GNCT of Delhi. **The seminar on the topic “Millets for Health and Sustainable Planet”** will be organized one day before the organization of the SME or during the days of exhibition in morning/evening hours. The expert/scientists for the seminar will be preferably from a research institute/laboratory/university/SCERT/SIE. In the state level, three best entries from each sub-theme of the category code C1 will be selected for the participation at National Level in 51st Rashtriya Bal Vaigyanik Pradarshani — 2024.

B. Other Science Based Activities:

- 1- Science Debate:** All the HoSs of schools under DoE, GNCT of Delhi will conduct Science Debate for students (class 9th to 12th) in their School and will select only two students (one for “in favour” and second for “against”) for participation at zonal level. Topic of the Science Debate is given in Annexure-I. Schools willing to participate can register themselves with the details of selected students through the provided link. All zonal conveners will organize the Science Debate for all the registered school under their jurisdiction as per enclosed schedule Annexure-II. Thereafter, the Zonal Conveners will send the details of selected students for the 1st and 2nd position to their respective Science Centre. Further, the Science Centres will organize Science Debate for selected students at the zonal level as per the schedule attached herewith (Annexure-II) and subsequently will send the details of students selected for 1st and 2nd position to the Science Branch for further participation at State Level.
- 2- Science Quiz:** All the HoSs of schools under DoE, GNCT of Delhi will conduct Science Quiz for students (9th to 12th) in their School and will select only one team of three students for participation at zonal level. Topic of the Science Quiz is given in Annexure-I. Schools willing to participate can register themselves with the details of selected students at their level through the provided link. All zonal conveners will organize the Science Quiz for all the registered schools under their jurisdiction as per enclosed schedule (Annexure-II). Thereafter, the Zonal Conveners will send the details of selected teams for the 1st, 2nd and 3rd position to their respective Science Centre. Further, the Science Centres will organize Science Quiz for selected teams at the zonal level as per the schedule (Annexure-II) and subsequently will send the details of selected teams for 1st, 2nd and 3rd position to the Science Branch for further participation at State Level.
- 3- Science Based Poster, Slogan, Science-toon:** All the HoSs of schools under DoE, GNCT of Delhi will conduct a competition for students of I to V (Sub Junior Level), VI to VIII (Junior Level) and IX to XII (Senior Level) in their School and will select only one entry from each level under each category i.e., Poster, Slogan, and Science-toon as per topics given in **Annexure-I** for participation at zonal level. Schools willing to participate can register themselves with the details of selected students at their level through the provided link. All zonal conveners will organize the Science Based Poster, Slogan, Science-toon competition for all the registered schools under their jurisdiction as per enclosed schedule (Annexure-II). Thereafter, the Zonal Conveners will send the details of selected student for the 1st, 2nd, and 3rd position from each level under each category to their respective Science Centre. Further, the Science Centres will organize Science Based Poster, Slogan, Science-toon competition for selected students at the zonal level as per the schedule (Annexure-II) and subsequently will send the details of students holding the first three position from each level under each category to the Science Branch for further participation at State Level.

Topics and Schedule of the above-mentioned exhibition and other science-based activities are enclosed herewith as **Annexure-I** and **Annexure-II** to all the concerned for further preparation.

Guidelines for Principals/HoS for participation in the Exhibition and Science Activities:

- 1- HoSs of all schools of DoE, GNCT of Delhi will ensure maximum participation of students at their school level so that the best entries could be selected for participation in the Exhibition and Science Activities at the Zonal level.
- 2- After selection of the entries for the exhibition and each activity at school level, registration of the participating students will be made by the HoS/Principal only by submitting the respective Google form given herewith. No other mode of registration for participation in the above said exhibition and activities will be entertained at any level.

Link of Registration Form for Science and Mathematics Exhibition, Science Debate, Science Quiz, and Science based Poster/Slogan/Sciencetoon:

	Link of Registration for Science and Mathematics Exhibition	Link of Registration for Science Based Various Activities
Link 1	https://forms.gle/1TnW6T4L1sL2aJRKA	https://forms.gle/9sfPscpc5oTVeKgb6
Link 2	https://tinyurl.com/exhibition-doe	https://tinyurl.com/doe-science-activities
QR Code		

- 3- **The Last Date of Registration** in the Science and Mathematics Exhibition, Science Debate, Science Quiz, and Science based Poster/Slogan/Science-toon is **07.11.2023**.
- 4- After registration, the students along with their exhibit/model will participate in the exhibition and activities as per specified time, date, and location as informed by their respective Zonal Conveners (List of Zonal Conveners is attached as **Annexure- III**).
- 5- All the HoSs of Govt./Govt. Aided/Pvt. Unaided recognized schools of DoE are directed to adhere with the guidelines given herewith and the instructions given by their respective Zonal Conveners and Science Centres. Any violation of the same may cause rejection from participation at any level.
- 6- The students and guide teacher of only such registered schools must bring their School Id Card/Authority letter duly attested by their respective HoS/Principal at the time of their physical participation at Zonal Level and at other levels thereafter. Such school students will also be in their school uniform while their participation at all level.
- 7- Safety and security of the students shall be paramount and observed by all the concerned HoSs/Guide Teacher/Escort Teacher of the participating students.

Guidelines for Zonal Conveners and In-charge of Science Centres:

1. Science Exhibition and Science Activities will be held as per schedule attached herewith (Annexure-II). Zonal Conveners will inform about Date, Time, and Place of the exhibition and activities to all the registered schools under their jurisdiction for participation of schools. In-charge/Coordinator of Science Centres will supervise and guide all the zonal conveners regarding the Science Exhibition and other science-based activities. List of Zonal Conveners and In-charge/coordinators of Science Centres along with their contact number and mail-id is enclosed as Annexure-III and **Annexure- IV**.

2. All zonal conveners and In-charge of Science Centres will facilitate/guide all the schools under their jurisdiction and will communicate Exact time, date and place of the exhibition and activities to the registered schools well before the scheduled exhibition and activities.
3. In-charge of Zonal Conveners may nominate 02 Judges for Science Debate for maximum 02 days, 01 Judge for Science Quiz for maximum 02 days, and 03 Judges for Science based Poster, Slogan, and Science-toon for maximum one day.
4. In-charge of Science Centres may nominate 03 Judges for Science Debate, 02 Judges for Science Quiz, and 03 Judges for Science based Poster/Slogan/Science-toon for maximum one day.
5. The judges so nominated for Science and Mathematics Exhibition, Science Debate, Science Quiz, and Science based Poster/Slogan/Science-toon should not be below the Post of Principal/Vice-Principal/Sr. PGTs from Science/Mathematics/Computer Science Background. Remuneration to the Judges will be paid at rate of Rs. 500/- per head per day. Refreshment to the Judges, participating students, and guide teachers will be given in the Science Exhibition and Science Activities at the rate of Rs. 30/- per head per day.
6. Criteria for evaluation of entries by the judges in Science and Mathematics Exhibition 2023-24 is attached herewith as **Annexure- V**.
7. Attendance report for Science and Mathematics Exhibition, Science Debate, Science Quiz, and Science based Poster/Slogan/Science-toon will be maintained by the Zonal Conveners and In-charge of Science Centres which will be forwarded to the Science Branch at the mail id: exhibition.sciencebranch@gmail.com right after the completion of each event.
8. Safety and security of the students shall be paramount and observed by all the HoSs/Guide Teachers/In-charge of Zonal Conveners/Science Centres.

In view of the above, all the HoSs of Govt./Govt. Aided/Pvt. Unaided recognized schools of DoE, GNCT of Delhi are requested to ensure their participation in the Science Exhibition and each science activities at zonal level. Further, all zonal conveners and Science Centres are hereby directed to fully cooperate with all the schools under their jurisdiction for maximum participation of the students.

This issues with the prior approval of the competent authority.

(Zareen Taj)
10/10/23

Addl. Director of Education (Science)

Enclosed: As Above.

F.No. DE.40(6)/Sc.Br./Activities/2023-24/803-810

Date: 10/10/2023

Copy for information and necessary action to:-

- 1- PS to Secretary (Education), GNCT of Delhi.
- 2- PA to Director, Directorate of Education, GNCT of Delhi.
- 3- All DDEs (District/Zone)- to ensure the compliance please.
- 4- In-charge: Science Centres- I/II/III & IV for overall compliance.
- 5- All Zonal Conveners (Science Activities) (Zone-01 to Zone-29)
- 6- Dr. T.P. Sharma, Professor & Coordinator (RSBVP) NCERT, New Delhi.
- 7- All the HoSs of Govt./Govt. Aided/Pvt. Unaided recognized schools of DoE, GNCT of Delhi.
- 8- OS (IT) with the request to upload the circular on the official website of Department of Education as well as in the Public Circular.

(Dr. Sudhakar Gaikwad)
Dy. Director of Education (Science)

Other Science Based Activities:

Science Debate:

Topic: Artificial Intelligence: Future of Technology and Humanity.

Participants can choose to speak in favour or against the topic.

Time Duration: Six Minutes for each participants.

Participation Level: Class IX to XII.

Science Quiz:

Topic: India on the Moon- Chandrayaan.

A team of three students can take part from each school at zonal level.

Participation Level: Class IX to XII

Science Poster:

Size: 60 cm x 90 cm – Vertically Drawn.

Topics:

1. Sr. Level (IX to XII): Energy and Water Conservation: Prime duty of Humans
2. Jr. Level (VI to VIII): Save Earth.
3. Sub Jr. Level (I to V): Awareness on Environmental pollution.

Science Slogan:

Size: 30 cm x 60 cm. - Horizontally Written

Topics:

1. Sr. Level (IX to XII): Plant Tree, Plant Life.
2. Jr. Level (VI to VIII): Awareness on Phasing Out Single Use Plastic.
3. Sub Jr. Level (I to V): Good Health for Good Life.

Sciencetoon:

Size: 60 cm x 90 cm – Vertically Drawn.

Topic: My City Green City (For all classes)

**Tentative Schedule for the Science Exhibition and Science Based Activities for
Academic Session 2023-24**

Sr. No.	Date (Upto)	Level	Activities to be held
1	24.11.2023	Zonal Level	Science and Mathematics Exhibition, Science Debate, Science Quiz, Science Based Poster/Slogan/Sciencetoon
2	08.12.2023	Science Centre Level	
3	22.12.2023	State Level	

Annexure: III

List of Zonal Conveners for Science Activities and Science Exhibition for session 2023-24

Sr No.	District	Zone	Name of School (Zonal Convener)	School ID	Name of HOS	Contact No HOS	Email ID of School
1	East	1	SKV-Surajmal Vihar	1001102	Smt. Rashmi Arora	9818838866	1001102hos@gmail.com
		2	Sarvodaya (Co-Ed) SSS-I.P. Extension, Patparganj	1002189	Dr Ashok Kumar Gaur	9873996125 8700357616	1002189hos@gmail.com
		3	RPVV Gandhinagar	1003261	Smt. Alka Panwar	9868828998	zone3rppv@gmail.com 1003261hos@gmail.com
2	NORTH EAST I	4	GSBV NO 1 B BLOCK YAMUNA VIHAR DELHI 53	1104001	Sh. Salim Ahmed	9891366784	gsbvno.1@gmail.com
3	Northeast II	5	GSKV, GT Road Shahdara, Delhi-32	1105024	Sh. Archana Jain	9650290692	gskv1105024@gmail.com
		6	GSKV, E-Block Nand Nagri Delhi-93	1106113	Smt. Alka Chaudhary	9818971726	skv1106113@gmail.com
4	North	7	RPVV RAJ NIWAS MARG, DELHI	1207108	Sh. Pundrikaksh Kaudinya	9810617468	rppvrajniwasmarg1207108@gmail.com
		8	GSKV Gulabi Bagh Delhi 110007	1208013	Sh. Praveen Kumar Chauhan	9871615213	gskvgulabibagh@gmail.com
5	North West A	9	SKV DHAKKA	1309025	Sh. Anita Verma	9717593231	skvdhakka1309025@gmail.com
		10	RSGSKV Bawana	1310042	Smt. Sunita	9540676244	hosbawana1310042@gmail.com
6	North West B-I	11	S V , C- Block, Saraswati Vihar	1411123	Sh. Anil Kumar	9968292553	1411123@gmail.com
		12	Rohini Phase-II, RPVV Sec-21	1412291	Sh. Narendra Singh	9212666369	1412291zone12@gmail.com
7	North west B II	13	SV SECTOR-3 ROHINI	1413002	Dr. Arvind Kumar	9205872160	1413002zone13@gmail.com
8	West A	14	SBV NO.2 TILAK NAGAR NEW DELHI 110018	1514006	Sh. Shantanu Dutta	9810755054	sbvprincipal@gmail.com
		15	GBSSS No.-1,Rajouri Garden Extension	1515006	Sh. Parmanand Jha	9818574474	1515006z15skg@gmail.com
		16	SKV Ramesh Nagar	1516027	Smt. Archana Gupta	8920131259	skvrameshnagar@gmail.com
9	WEST B	17	Govt. Sarvodaya Co-ed Vidyalaya , B-4 Paschim Vihar Delhi -63	1617008	Sh. Anuraj Yadav	9711154564	gscevb4pv@gmail.com
		18	GBSSS BINDAPUR NEW DELHI 59	1618059	Sh. Sanjay Lakra	9818398331	bindapur1618059@gmail.com
10	SOUTH WEST-A	19	GOVT. CO-ED SSS SEC-5 R.K.PURAM	1719104	Smt. Runu Chaudhary	9910476756	gcsssrkpsc5@rediffmail.com
		20	SKV Rajokari	1720030	Dr. Seema Ahalawat	9810256842	skv1720030@gmail.com
11	SOUTH WEST B -I	21	Dwarka, Sector-VI, G(Co-ed)SSS, Pappan Kalan	1821031	Smt. Ritu Puri	9968290101	gcoed1821031@gmail.com
12	South West-B(2)	22	S Co.Ed. Vidyalaya, Najafgarh	1822002	Sh. Pradeep kumar	9899799516	svcoedng@gmail.com
13	South	23	GGSSS MB Road Pushp Vihar	1923055	Smt. Sonu Nijhawan	9899991790	1923055pushpvihar@gmail.com
		24	GBSSS AYA NAGAR	1923354	Sh. Dharam Singh Rathore	9911039933	gbsss.1923354.ayanagar@gmail.com
		26	SV KITCHENER ROAD MALCHA MARG CHANAKYA PURI DELHI 21	2026002	Sh. Sunil Kumar Shrivastava	9650047540	hos2026002@gmail.com
14	New Delhi/Central	27	GSBV ROUSE AVENUE NEW DELHI 110002	2127001	Dr Ajay Kumar Chaubey	9205252343	hos2127001@gmail.com
		28	RPVV Link Road Karol Bagh	2128031	Smt. Smita Jha	9540676244	hos2128031@gmail.com
15	South East	29	School of Excellence, Kalkaji	1925430	Sh. M Shariq	9643920087	soe1925430@gmail.com
		25	SHK, SBV, Lajpat Nagar-1925059	1925059	Sh. NK Sharma	9555011336	principalshksbv@gmail.com shk1925059@rediffmail.com

Annexure IV

Sr No.	Zone	Zonal Convener	School Id	Respective Science Centre & Id	E-mail	Nodal Officer In-Charge	Contact No.
1	Zone 01	SKV-Surajmal Vihar	1001102	Science Centre No.4, Gazipur - 5000014	sciencecenter04@gmail.com	Mr. Virender Yadav	9868814195
2	Zone 02	Sarvodaya (Co-Ed) SSS-I.P. Extension, Patparganj	1002189				
3	Zone 03	RPVV Gandhinagar	1003261				
4	Zone 04	GSBV NO 1 B BLOCK YAMUNA VIHAR DELHI 53	1104001			Mr. Rajeev Mishra	9899531365
5	Zone 05	GSKV, GT Road Shahdara, Delhi-32	1105024				
6	Zone 06	GSKV, E-Block Nand Nagri Delhi-93	1106113				
7	Zone 07	RPVV RAJ NIWAS MARG, DELHI	1207108	Science Centre No.1, SU Block Pitampura- 5000011	sciencecentreno.1@gmail.com	Mr. Amit Kumar	9910078365
8	Zone 08	GSKV Gulabi Bagh Delhi 110007	1208013				
9	Zone 09	SKV DHAKKA	1309025				
10	Zone 10	RSGSKV Bawana	1310042			Ms Shefali	9582862891
11	Zone 11	S V , C- Block, Saraswati Vihar	1411123				
12	Zone 12	Rohini Phase-II, RPVV Sec-21	1412291				
13	Zone 13	SV SECTOR-3 ROHINI	1413002				
14	Zone 14	SBV NO.2 TILAK NAGAR NEW DELHI 110018	1514006	Science Centre No.3, Link Road Karol Bagh- 5000013	sciencecentreno.3@gmail.com	Ms. Manju	70116 17342
15	Zone 15	GBSSS No.-1,Rajouri Garden Extension	1515006				
16	Zone 16	SKV Ramesh Nagar	1516027				
17	Zone 17	Govt. Sarvodaya Co-ed Vidyalaya , B-4 Paschim Vihar Delhi -63	1617008			Mr. Ambika Prasad	96541 87547
18	Zone 18	GBSSS BINDAPUR NEW DELHI 59	1618059				
19	Zone 26	SV KITCHENER ROAD MALCHA MARG CHANAKYA PURI DELHI 21	2026002				
20	Zone 27	GSBV ROUSE AVENUE NEW DELHI 110002	2127001				
21	Zone 28	RPVV Link Road Karol Bagh	2128031				
22	Zone 19	GOVT. CO-ED SSS SEC-5 R.K.PURAM	1719104	Science Centre No.2, Vasant Vihar -5000012	sciencecentre2@gmail.com	Mr. Meghram Meena	9891729211
23	Zone 20	SKV Rajokari	1720030				
24	Zone 21	Dwarka, Sector-VI, G(Co-ed)SSS, Pappan Kalan	1821031				
25	Zone 22	S Co.Ed. Vidyalaya, Najafgarh	1822002			Ms. Rashmi Chawla	9711750335
26	Zone 23	GGSSS MB Road Pushp Vihar	1923055				
27	Zone 24	GBSSS AYA NAGAR	1923354				
28	Zone 25	SHK, SBV, Lajpat Nagar-1925059	1925059				
29	Zone 29	School of Excellence, Kalkaji	1925430				

**Criteria for Evaluation of Participating Entries by the Judges in
the Science and Mathematics Exhibition: 2023-24**

Sr. No.	Criteria	Weightage in %
1	Involvement of Children's Own Creativity and Imagination	20
2	Originality/Innovation in the Exhibit/Model	15
3	Scientific/Mathematical Approach in terms of Thought and Principle	15
4	Technical Skills/Workmanship/Craftsmanship	15
5	Utility for Society/Scalability	15
6	Economic (low cost)/Portability/Durability	10
7	Presentation	10
Total		100