

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 2024-25.

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 along with Science Seminar and Science Drama every year for inculcating scientific temperament and popularization of science among its students.

In this regard, Science Seminar and Science Drama are already being conducted at various levels in pursuance of the circular F.No. DE.40(6)/Sc.Br./Activities/2023-24/1220-1227 dated 22.07.2024. Therefore, the State Level Science and Mathematics Exhibition, Science Debate, Science Quiz, Science Based Poster/Slogan/Science-toon, are also to be organized in the following manner:

A. State Level Science and Mathematics Exhibition:

The main theme of the exhibition will be "Science and Technology for Sustainable Development" and it will be organized for all classes in three categories based on the sub-themes given as under:

1. Sub-theme for Science Exhibition under the First Category (Category Code- C1):

1. Food, Health and Hygiene
2. Transport and Communication
3. Natural Farming

2. Sub-theme for Science Exhibition under the Second Category (Category Code- C2):

1. Disaster Management
2. Waste Management
3. Resource Management

3. Sub-theme for Mathematics Exhibition under the third Category (Category Code- C3): "Mathematical Modelling and Computational Thinking".

Students will develop exhibit/working model/static model/prototype based on scientific/mathematical principles on the above-mentioned theme and sub-themes for showcasing their idea in the exhibition. Students should keep in mind that their work is innovative, 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 each category 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 2024-25. The participants should be aware of the criteria on which their exhibits/models/prototype will be evaluated and they should work on their project accordingly. The evaluation criteria for exhibits/models/prototype is given in Annexure-V which is attached herewith.

Organizing the Exhibition at various Levels:

- 1- **School Level:** Students from all schools including Government, Government-aided, Private Unaided recognized schools of DoE, GNCT of Delhi are eligible to register themselves for participation 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 as per evaluation criteria given in Annexure-V (attached). 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 each category. Each exhibit/model can have maximum two students and one guide teacher. No remuneration will be paid to such teachers/HoS for the said purposes. After selection of the exhibits/models under each category, schools can register themselves by submitting a registration form given herewith for further participation at Zonal level till **30.10.2024**.
- 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 each category code i.e., C1, C2 and C3 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 each category C1, C2 and C3 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) – 2024-25 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 Sustainable Future and Health”** 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 every category will be selected for the participation at National Level.



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 one for “against”) to register them for participation in Science Debate Competition at zonal level. Topic of the Science Debate is given in **Annexure-I** (attached). Schools willing to participate can register themselves with the details of selected students through the provided link herewith. All zonal conveners will organize the Science Debate for all the registered school under their jurisdiction as per schedule given in 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 the Science Debate for selected students at the zonal level as per schedule given in **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 to register them 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 herewith. All zonal conveners will organize the Science Quiz for all the registered schools under their jurisdiction as per attached schedule given in **Annexure-II**. Thereafter, the Zonal Conveners will send the details of the 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 schedule given in 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 the State Level Science Quiz.
- 3- **Science Based Poster, Slogan, Science-toon:** All the HoSs of schools under DoE, GNCT of Delhi will conduct competitions of Science Based Poster, Slogan, Science-toon for all the students of their school. Poster and Slogan categories have three levels namely: I to V (Sub Junior Level), VI to VIII (Junior Level), and IX to XII (Senior Level) while sciencetoon is open for all classes having no bifurcation of levels. The schools will select only one entry from each level under each category i.e., Poster, Slogan, and only one entry under the category of Science-toon as per topics given in **Annexure-I** to register them 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 schedule given in **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 schedule given in 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 the State Level.

Guidelines for Principals/HoSs 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 activities at school level, registration of the participating students will be made by the HoS/Principal only by submitting the respective Google forms 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/SWbsXjjRyBUL87t79	https://forms.gle/ft2WhXe2caLGtCkx6
Link 2	https://tinyurl.com/sme-doe-2024-25	https://tinyurl.com/sa-doe-2024-25
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 **30.10.2024**.
- 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 the Registered Schools must bring any one of the following to their respective zonal convener/science centre at the time of their physical participation- 1. Attested copy of the submitted Google form received at their mail, 2. School Id Cards of the Students and Guide/Escort Teacher, 3. Authority Letter duly attested by the concerned HoS.
- 7- Mere registration for the above science exhibition and activities does not confirm participation of the school. They are required to physically participate in the above activities as per time and place given by their respective Zonal Convener/Science Centre.
- 8- 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 the exhibition, debate, and poster/slogan/sciencetoon 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.
9. In case, there are multiple entries securing single position (1st or 2nd or 3rd), a question-answer session (or any other related activity- in case of poster/slogan/sciencetoon) may be conducted on the given themes/sub-themes to break the tie and select only one entry for one position. For such cases, proper record will be maintained by the concerned Zonal Convener/Science Centre.

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.



(Dr. C. S. Verma)

Dy. Director of Education (Science)

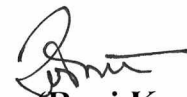
Enclosed: As Above.

F.No. DE.40(6)/Sc.Br./Activities/2023-24/1131-1138

Date: 23.09.24

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 and coordination.
- 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.



(Ravi Kannaujiya)

State Coordinator (Science)

Topics for Science Based Activities:

Science Debate:

Topic: Climate change caused by Global warming has become irreversible.

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

Time Duration: Six Minutes for each participant.

Participation Level: Class IX to XII.

Science Quiz:

Topic: Indian Space Research Organization (ISRO) - India's Journey of Space Exploration

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): Artificial Intelligence (AI) and Humanity.
2. Jr. Level (VI to VIII): We are children of the Earth.
3. Sub Jr. Level (I to V): Our best Friend- Trees.

Science Slogan:

Size: 30 cm x 60 cm. - Horizontally Written

Topics:

1. Sr. Level (IX to XII): Single Use Plastic- Devil in our Society.
2. Jr. Level (VI to VIII): Health: Prevention is better than cure.
3. Sub Jr. Level (I to V): Eat Healthy, Live Healthy.

Sciencetoon:

Size: 60 cm x 90 cm – Vertically Drawn.

Topic: Story of a Green City (For all classes)



Annexure- II**Tentative Schedule for the Science Exhibition and
Science Based Activities for Session 2024-25**

Sr. No.	Tentative Date (Upto)	Level	Activities to be held
1	30.10.2024	School Level	Science and Mathematics Exhibition, Science Debate, Science Quiz, Science Based Poster/Slogan/Sciencetoon
2	16.11.2024	Zonal Level	
3	30.11.2024	Science Centre Level	
4	13.12.2024	State Level	

List of Zonal Conveners for Science Activities and Science Exhibition for session 2024-25

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. Yogmaya Gautam	9315070031	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	zone3rpvv@gmail.com 1003261hos@gmail.com
2	NORTH EAST I	4	GSBV NO 1 B BLOCK YAMUNA VIHAR DELHI 53	1104001	Sh. Hitendra Kumar Virani	9718119810	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	rpvvrajniwasmarg1207108@gmail.com
		8	S. Co-Ed Vidyalaya, Gulabi Bagh	1208013	Sh. Jai Prakash	8076208385	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	GGSSS No.1 Tilak Nagar	1514014	Smt. Sarita	9999715200	ggsss1514014@gmail.com
		15	GBSSS No.-1,Rajouri Garden Extension	1515006	Sh. Parmanand Jha	9818574474	1515006z15skg@gmail.com
		16	SBV Moti Nagar	1516010	Sh. Guru Dutt	9868484442	sbv.mn1516010@gmail.com
9	WEST B	17	Govt. Sarvodaya Co-ed Vidyalaya , B-4 Paschim Vihar Delhi -63	1617008	Dr Rakesh Kumar	8447364875	gscevb4pv@gmail.com
		18	Janakpuri, Block C, No.2-SBV	1618005	Dr. Niranjana Kumar	9717350748	1618005janakpuri@gmail.com
10	SOUTH WEST-A	19	JMSV, Sec-12, R.K. Puram	1719001	Dharmender Singh	9800759664	jmsvschool02@gmail.com
11	SOUTH WEST B -I	20	SKV Rajokari	1720030	Dr. Seema Ahalawat	9810256842	skv1720030@gmail.com
12	South West-B(II)	21	Govt. Sarvodaya Vidyalaya, Sec. 17, Dwarka	1821279	Dr. Anita Singh	9654320514	gcsv17@gmail.com
13	South	22	S Co.Ed. Vidyalaya, Najafgarh	1822002	Sh. Pradeep kumar	9899799516	svcoedng@gmail.com
		23	GGSSS MB Road Pushp Vihar	1923055	Smt. Seema Khetrpal	9899991790	1923055pushpvihar@gmail.com
		24	ATSBV Chhattarpur	1923081	Sh. Mandeep Kumar	9871664771	atsbv1923081@gmail.com
14	New Delhi/Central	25	SV KITCHENER ROAD MALCHA MARG CHANAKYA PURI DELHI 21	2026002	Sh. Sunil Kumar Shrivastava	9650047540	hos2026002@gmail.com
		26	SV Rouse Avenue	2127001	Dr Ajay Kumar Chaubey	9205252343	hos2127001@gmail.com
		27	RPVV Link Road Karol Bagh	2128031	Ms. Smita Jha	9318336568	hos2128031@gmail.com
15	South East	28	GGSSS- NO.3, Badarpur	1925248	Ms. Anju Pawar	8800432233	ggsssno3bdr@gmail.com
		29	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	Mrs Uma Khurana	9990451110
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				
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. Anami Sharan	9911176500
8	Zone 08	S. Co-Ed Vidyalaya, Gulabi Bagh	1208013				
9	Zone 09	SKV DHAKKA	1309025				
10	Zone 10	RSGSKV Bawana	1310042				
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			Mr. Amit Kumar	9910078365
14	Zone 14	GGSSS No.1 Tilak Nagar	1514014	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				
18	Zone 18	Janakpuri, Block C, No.2-SBV	1618005				
19	Zone 26	SV KITCHENER ROAD MALCHA MARG CHANAKYA PURI DELHI 21	2026002				
20	Zone 27	SV Rouse Avenue	2127001			Mr. Ambika Prasad	96541 87547
21	Zone 28	RPVV Link Road Karol Bagh	2128031				
22	Zone 19	JMSV, Sec-12, R.K. Puram	1719001	Science Centre No.2, Vasant Vihar -5000012	sciencecentre2@gmail.com	Ms. Rubal Gupta	9871436644
23	Zone 20	SKV Rajokari	1720030				
24	Zone 21	Govt. Sarvodaya Vidyalaya, Sec. 17, Dwarka	1821279				
25	Zone 22	S Co.Ed. Vidyalaya, Najafgarh	1822002				
26	Zone 23	GGSSS MB Road Pushp Vihar	1923055				
27	Zone 24	ATSBV Chhattarpur	1923081				
28	Zone 25	SHK, SBV, Lajpat Nagar-1925059	1925059				
29	Zone 29	GGSSS- NO.3, Badarpur	1925248				

**Criteria for Evaluation of Participating Entries by the Judges in the
Science and Mathematics Exhibition: 2024-25**

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

Criteria for Evaluation of Participants by the Judges in Science Debate:

Sr. No.	Criteria	Maximum Marks
1	Scientific Reasoning/Facts	6
2	Content/Substance	25
3	Oratory Skills/Fluency	25
4	Clarity of Thought	20
5	Confidence	20
Total		100

Criteria for Evaluation of entries by the Judges in Poster/Slogan/Sciencetoon:

Sr. No.	Criteria	Maximum Marks
1	Relevance of Theme	20
2	Execution of the Concept	15
3	Overall Visual Appeal	15
Total		50