

**GOVT. OF NCT OF DELHI: DIRECTORATE OF EDUCATION  
(SCIENCE & TV BRANCH)  
BEHIND LADY SRI RAM COLLEGE, LAJPAT NAGAR-IV, NEW DELHI-110024**

No.DE/40(6)/7/Sci. Br./N.Sc.Drama/2019-20/560-565 Dated: 23/7/19

**CIRCULAR**

**Sub: Guidelines/ Rules & Regulation for National Science Seminar, National Science Drama & State Level Science Exhibition-Academic Year 2019-20.**

Science Branch of Directorate of Education is entrusted to organize National Science Drama, National Science Seminar & State Level Science, Mathematics & Environment Exhibition as a regular annual feature for the students studying in Govt./Govt Aided/Un-Aided recognized Schools of GNCT of Delhi.

National Science Centre, New Delhi has provided Topics/Themes (sub-themes) along-with Rules & Regulations (copy enclosed) for participation in National Science Drama & National Science Seminar. Whereas, NCERT, New Delhi has provided guidelines (including themes & sub-themes) for the preparation of exhibits and models as well as guidelines for organizing State Level Science, Mathematics & Environment Exhibition: 2019-20.

**Details of Themes:-**

S.No.	Activity	Participation Class	Maximum Nos. of Participants	Duration of the activity	Topic	Activity Schedule
1.	National Science Drama	VI To X	A team of 08 students	30 minutes	Science and Society	1 <sup>st</sup> week of September, 2019 to be organized Science Centre I,II,III, & IV
2	National Science Seminar	VIII to X only	01 Student from each school at Zonal level	06 minutes + 02 min Que. Answer Session	Periodic Table of chemical Elements: Impact on Human welfare	1 <sup>st</sup> week of September, 2019 to be organized Science Centre I,II,III, & IV
3	State level Science exhibition	I to XII	180 Projects 180x2=360 Students	Full day for three days	Science and Technology for sustainable Development	2 <sup>nd</sup> week of October, 2019 to be organized Science Branch, Lajpat Nagar.

*With*

The guidelines and Rules are appended herewith for information and necessary guidance to all concerned for further preparation of above referred events.

All Zonal/District /Centre level activities should be completed as per Annual School calendar for 2019-20.

For more details, the website of NCERT may be visited ([www.ncert.nic.in](http://www.ncert.nic.in))

- Encl: 1. Copy of letter of NCERT  
2. Copy of letter of National Science Centre  
3. List of the Zonal Conveners.

Encl: - 16 pages.

(Dr. Sushma Setia)

**DY. DIRECTOR OF EDUCATION (Sc. & TV)**

No.DE/40(6)/7/Sci. Br./N.Sc.Drama/2019-20/560-565. Dated: 23/7/19

Copy to:-

1. All DDEs District & Zone, Directorate of Education.
2. PA to Director of Education, Directorate of Education.
3. All the Principals/HoS (Govt./Govt. Aided/Un-aided recognized Schools of GNCT of Delhi), Delhi/New Delhi for information & guidance.
4. Incharges of Science Centre-I/II/III/ & IV for overall compliance.
5. All Zonal Conveners (Zone-1 to Zone-29).
6. The OS (IT), with the request to upload this circular as POP-UP before login in the official website of Dte. of Education for large scale publicity/display of the Circular.

(Dr. Sushma Setia)

**DY. DIRECTOR OF EDUCATION (Sc. & TV)**

## **TOPICS FOR SCIENCE EXHIBITION and other SCIENCE ACTIVITIES**

at zonal, Science Centre & State Level: Academic Session 2019-20

### **SCIENCE, MATHEMATICS & ENVIRONMENT EXHIBITION.**

NCERT has circulated the following Main theme, Sub themes and guidelines for the preparation of exhibits & models for organizing State Level Science, Mathematics & Environment Exhibition: 2019-20(SLSMEE) for children, which are as under. The same sub-theme/areas will apply for Zonal Level as well as Science Centre Level Exhibitions.

#### **Main Theme: Science and Technology for Sustainable Development.**

SUB-THEMES / AREAS suggested by NCERT:

1. Sustainable Agricultural Practices
2. Cleanliness and Health
3. Resources Management
4. Industrial Development
5. Future Transport and Communication
6. Educational Games and Mathematical Modelling

#### **Other Sub-Themes**

1. Primary Science
2. Middle Science
3. SUPW

**(Note: Sub-themes listed above are suggestive. Students may also develop innovative models on any other sub-theme, pertaining to the main theme-Science and Technology for Sustainable Development).**

### **OTHER SCIENCE BASED ACTIVITIES**

#### **NATIONAL SCIENCE SEMINAR-2019 (Copy enclosed)**

**Topic of the seminar**

**Periodic table of Chemical Elements:**

**Impact on Human Welfare**

Time duration of max. six minutes followed by two minute question-answer session (Copy enclosed).

Participation level: Students from Class-VIII to X only

*[Signature]*



**1. SCIENCE DEBATE:**

**TOPIC: Use of Smart phone in Education**

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

Time duration: Six Minutes.

Participation level: Upto Class-XII

**2. SCIENCE QUIZ:**

**TOPIC: Global Warming**

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

Participation level: Upto Class-XII

**3. SCIENCE POSTER:**

Size: 60 cm. x 90 cm. – Vertically Drawn.

**TOPICS**

Senior Category (IX to XII): **Water Management**

Junior Category (VI to VIII): **Traffic on Delhi Roads**

Sub Junior Category (I to V) : **Van Mahotsav**

**4. SCIENCE SLOGAN:**

Size: 30 cm. x 60 cm. – Horizontally written

**TOPICS**

Senior Category (IX to XII): **Rain water Harvesting**

Junior Category (VI to VIII): **Save eco system**

Sub Junior Category (I to V) : **Balance diet**

*Prithi*

**5. SCIENTOON**

60 cm. x 90.cm. – Vertically Drawn

**TOPIC: Environment and Health**

**6. DRAMA (Copy enclosed)**

**Main Theme: Science & Society**

- Sub-themes. 1. Gandhi & Science
2. Cleanliness & Health & Hygiene
3. Periodic Table
4. Green & clean Energy

Participation Level: School Students studying from Class VI to X

Characters in Play: Maximum 08 (Eight) characters (Poster, Banners & Costumes can be used)

Duration of Play: 30 Minutes

**7. CHILDREN SCIENCE CONGRESS**

**Main Theme: Science, Technology and innovation for a clean, green and Healthy nation.**

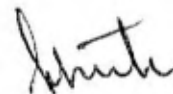
- Sub-themes. 1. Eco System & Eco System Service
2. Health, Hygiene and Sanitation
3. Waste to Wealth
4. Society, Culture & Livelihood
5. Traditional Knowledge System

Only 02 students in a team. Two team one Junior (age 10-14 years as on 31/12/2019) and one Senior (age 14-17 years as on 31/12/2019) can participate at Zonal level from each school.

1. All the HOSs of all Schools of Delhi are directed to remain in contact with their Zonal Conveners for any other information.

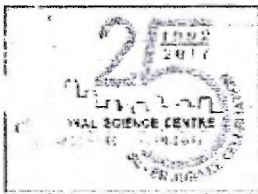
*Handwritten signature*

2. All HOSs are advised to conduct all Science Based Activities and Exhibition at School Level smoothly.
3. All Zonal Conveners are directed to conduct the Zonal Level Science Based Activities & Science Exhibition as per schedule; send the selected Models/Exhibits to respective Science Centers.
4. All District DDEs are requested to Coordinate with the Zonal Conveners, so that all the activities are organized smoothly.



(Dr. Sushma Setia)

**DY. DIRECTOR OF EDUCATION (Sc. & TV)**



## राष्ट्रीय विज्ञान केन्द्र

(राष्ट्रीय विज्ञान संग्रहालय परिषद्), संस्कृति मंत्रालय, भारत सरकार  
गेट नं. 2 के समीप, प्रगति मैदान, भैरों मार्ग, नई दिल्ली - 110 001

### NATIONAL SCIENCE CENTRE

(National Council of Science Museums), Ministry of Culture, Govt. of India  
Near Gate No. 2, Pragati Maidan, Bhairon Road, New Delhi - 110 001



14/12  
12

Ref No.: NSCD/17017/7/NISF/2019-20/

Dated: 01.07.2019

To,

Deputy Director of Education (Science & TV)  
Directorate of Education (Science Branch)  
Old Gargi College Building, Amar Colony,  
Lajpat Nagar-IV  
New Delhi-110024

#### Sub: Northern India Science Drama Contest 2019-20

Dear Sir/ Madam,

Every year National Council of Science Museums (NSCM) organised Northern India Science Drama for the students. This programme is organized every year to encourage the students, teachers and other science communicators to explore and experiment with the dramatic form as a means of communication. Initially this is being held in the Taluk, District, State, Zonal level and eventually at the National Level. This is an opportunity to bring the students of different states, languages and culture to interact, exchange and explore this medium of education - THEATRE.

As a procedure, State Educational Authorities organise it at block, district and finally at state level. Two winner teams (each comprising of max. 9 members) are invited in the Zonal Level Contest which will be held at National Science Centre, Delhi. Two winner teams of Zonal contest will represent North zone at the National Science Drama festival to be held at **Birla Industrial Technological Museum, Kolkata in the month of January 2020**

I am thankful to you for extending your cooperation in organising Block, District and State Level Science Drama Contest in 2018-19 financial year. The **Northern India Science Drama 2019** will be organised at **National Science Centre, Delhi** in the month of **December 2019**.

Following is the theme and sub-theme of this year contest.

**Main Theme: Science and Society**

**Sub- Themes : (1) गांधीजी और विज्ञान : Gandhi & Science (2) सफाई, स्वच्छता एवं स्वास्थ्य: Cleanness, Health & Hygiene (3) आवर्त सारणी : Periodic Table (4) हरित एवं स्वच्छ ऊर्जा : Green & Clean Energy**

May I request you to kindly note the important dates in this regard

1. Completion of State Level Science Drama: **30th October 2019**
2. Completion of Zonal Science Drama Contest at NSC Delhi: **December 2019 (date to be decided)**
3. National Science Drama Festival: **January 2020 at BITM, Kolkata**

Should you need further information, I would be happy to provide the same. A detailed letter along with Rules & Regulation is also being sent to you. For any further related enquiry, you may contact me on my **mobile No. 7651976707**

Thanking you

Yours Faithfully

S/d

(K. K. Chatterjee)

Education Officer & Reg. Coordinator NISDC 2019-20



12/0

**National Science Centre  
Pragati Maidan, Near Gate No. 1  
New Delhi-110001**

**Northern India Science Drama Contest 2019-20  
RULES AND REGULATIONS**

The Northern India Science Drama Contest is organized every year by National Science Centre, Delhi to encourage the students, teachers and other science communicators to explore and experiment with the dramatic form as a means of communication. This event is a part of National Science Drama Festival organized by National Council of Science Museums throughout the country every year. Theatre or drama is an age old cultural form of our society, which has been used for entertainment, recreation and also as a medium of social interaction (i.e. to put across the social message), in other words, correcting the society in an indirect way, thus bringing a social change. By understanding the effectiveness of this medium and also to involve more youngsters to participate in this creative medium, an attempt is made to organize a science drama festival. Initially this will be held in the Taluk, District, State, Zonal level and eventually at the National Level. This is an opportunity to bring the students of different states, languages and culture to interact, exchange and explore this medium of education – THEATRE.

**THEME OF THE DRAMA:**

**विज्ञान एवं समाज (Science & Society)**

**Sub- Themes : (1) गांधीजी और विज्ञान : Gandhi & Science (2)**

**सफाई, स्वच्छता एवं स्वास्थ्य: Cleanness, Health & Hygiene (3) आवर्त**

**सरणी : Periodic Table (4) हरित एवं स्वच्छ ऊर्जा : Green & Clean  
Energy**

**WHO CAN PARTICIPATE**

School students studying in VI class to Class X. Invited teams rather winner teams from northern states/UTs.

**WHILE PREPARING THE SCRIPT THE FOLLOWING POINTS SHOULD BE KEPT IN MIND**

1. The drama should not be an academic exercise and boring. It should convey emotional and aesthetic experience to the performers and also to the audience.
2. It should totally engage the audience and convey educational message indirectly. The performers and the audience should feel happy that they have understood / learnt something in.
3. While writing the play, care should be taken regarding the settings, duration of the play and also the number of artists taking part in the drama.

**OTHER INFORMATION FOR THE PARTICIPANTS TAKING PART IN THE DRAMA COMPETITION**

1. The duration of the drama should not be more than 30 minutes.
2. There should not be more than 8 characters (as a team for easy mobility).
3. It should be convey scientific message.
4. The drama team should be able to set up the props and other necessary requirements on stage within 5 minutes and should remove after the performance.
5. The language should be easy to follow (more of visuals preferred)
6. The drama can be in any Indian language (official)
7. The drama can have costumes, dance, music, mime and also models to enhance the interest and credibility of the drama.
8. Written posters / banners / A.V. aids can be used for illustration.
9. The participating school has to submit an authentic Hindi and English translation of the script to the organizer for participation.
10. The top two winner teams of Northern India Science Drama competition will be invited to participate at National Level at Nehru Science Centre, Mumbai on 10<sup>th</sup> & 11<sup>th</sup> January 2014.

**CRITERIA OF JUDGMENT (100 MARKS)**

- |                                    |    |
|------------------------------------|----|
| a. Scientific content in the drama | 30 |
| b. Presentation of the drama       | 50 |
| c. Effectiveness of the drama      | 20 |

**PRIZES**

The following prizes will be awarded as per the judges' decision:

- Best Drama – 3 prizes (First, Second & Third prizes depending on the overall performance by the team members)
- In addition to above the prizes will be given for best direction, best script, best actor and best actress.



**Northern India Science Drama 2019-20**

National Science Centre New Delhi &lt;educationnsdelhi@gmail.com&gt;

Mon, Jul 1, 2019 at 12:52 PM

To: Bhim Singh <sciencebranch@gmail.com>, satinderjeet kaur <satinderjeet403@gmail.com>, Sise Punjab <sisepunjab@yahoo.com>, Sise Allahabad <siseup.alld@gmail.com>, Ghulam Mohd Dar <principalsiekashmir@gmail.com>, surender singh <ssdahiya@gmail.com>, sie-chd@nic.in, saritasridhar@gmail.com, SCERT H P at Solan <scert-hp@nic.in>, scert uttaranchal <scert\_ua@rediffmail.com>, scert gurgaon <scertgurgaon@gmail.com>, scert\_edusat@rediffmail.com, directorhr@gmail.com, Scert Uttarakhand <scertuk@gmail.com>

Dear Sir/Madam

I am thankful to you for extending your cooperation in organising Block, District and State Level Science Drama Contest in 2018-19 financial year.

This year the **National Science Drama Festival** will be organised at **National Science Centre, Delhi** in the month of **December 2019**.

As a procedure, State Educational Authorities organise it at block, district and finally at state level. Two winner teams (each comprising of max. 9 members) are invited in the Zonal Level Contest which will be held at National Science Centre, Delhi. Two winner teams of Zonal contest will represent North zone at the National Science Drama festival to be held at **Birla Industrial Technological Museum, Kolkata** in the month of

Following is the theme and sub-theme of this year contest.

Main Theme: **Science and Society**

Sub- Themes (Topic)

1. **Gandhi & Science**
2. **Cleanliness, Health & Hygiene**
3. **Periodic Table**
4. **Green & Clean Energy**

May I request you to kindly note the important dates in this regard

1. Completion of State Level Science Drama: **30th October 2019**
2. Completion of Zonal Science Drama Contest at NSC Delhi: **December 2019 (date to be decided)**
3. National Science Drama Festival: **January 2020 at BITM, Kolkata**

Should you need further information, I would be happy to provide the same. A detailed letter along with Rules & Regulation is also being sent to you.

## GUIDELINES OF NATIONAL SCIENCE DRAMA FESTIVAL 2019-20



## WHO CAN PARTICIPATE?

The competition is open to the school students from 6th to 10th Standard.

## THEME / TOPIC OF THE DRAMA

The topic/subtopics for the year 2019-20 are:

## Main Theme

विज्ञान एवं समाज - Science & Society

## Sub-themes( Topics) :

1. गांधीजी और विज्ञान : Gandhi & Science
2. सफाई, स्वच्छता एवं स्वास्थ्य: Cleanness, Health & Hygiene
3. आवर्त सारणी : Periodic Table
4. हरित एवं स्वच्छ ऊर्जा : Green & Clean Energy

Please note that the play could be based on any one of the above topics and should convey a definite scientific message.

## INSTRUCTIONS

## For Script Writer:

1. The drama should not be an academic exercise and boring. It should give emotional and aesthetic experience to the performers and also to the audience.
2. It should totally engage the audience and give educational message indirectly but effectively. The performers and the audience should feel happy that they have understood / learnt something in.
3. While writing the play, care should be taken with regard to the settings, duration of the play and also the number of artists taking part in the drama.

## For Participants:

1. The duration of the play should not be more than **30 minutes**.
2. There should not be more than **8 actors** (including male & female) as a team for easy mobility.
3. The competition is open to the school students from **6th to 10th Standard**.
4. It should convey – scientific message.
5. The drama team should be able to set up and stage the play quickly.
6. The language should be easy to follow (more of visuals preferred).
7. The drama can be in any Indian language (official).
8. The drama can have costumes, dance, music, mime and also models to enhance the quality and credibility of the drama.
9. Written posters / banners / A.V. aids / backdrops can be used for illustration.
10. If presented in any language other than in English, or Hindi, the participating school has to submit an authentic Hindi / English translation of the script to the organizer well before staging the drama.

## Judging Criteria: Total Marks: 100

a.	Presentation of the drama	-	50 Marks
b.	Scientific content in the drama	-	30 Marks
c.	Effectiveness of the drama	-	20 Marks

All participating teams of NSDF 2019 will get prizes in the form of cash or any kind. The panel of Judges will select the following individual prizes.

Best Direction	- One prize
Best script	- One prize
Best Actor	- One prize
Best Actress	- One prize

8

With regards

K K Chatterjee  
Education Officer &  
Zonal Coordinator (NSDF 2019- 20)  
Mobile - 07651976707

NATIONAL SCIENCE CENTRE  
(NATIONAL COUNCIL OF SCIENCE MUSEUMS)  
MINISTRY OF CULTURE, GOVERNMENT OF INDIA  
BHAIRON ROAD, NEAR GATE NO.1, PRAGATI MAIDAN  
NEW DELHI - 110001

PHONE: 23379462, 23371297 / 23371893 / 23371945

TELEFAX: 011-23371263

Website: [www.nscdelhi.org](http://www.nscdelhi.org)

Email: [educationnscdelhi@gmail.com](mailto:educationnscdelhi@gmail.com) / [nscdl01@gmail.com](mailto:nscdl01@gmail.com)



**Guidelines\_Rules\_regulation\_Science\_Drama\_2018\_NSCD.doc**

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**GUIDELINES OF NATIONAL SCIENCE DRAMA FESTIVAL 2019-20**

(7)

**WHO CAN PARTICIPATE?**

The competition is open to the school students from 6th to 10th Standard.

**THEME / TOPIC OF THE DRAMA:**

The topic/subtopics for the year 2019-20 are:

**Main Theme** विज्ञान एवं समाज - Science & Society

**Sub-themes/  
Topics :**

1. गांधीजी और विज्ञान : Gandhi & Science
2. सफाई, स्वच्छता एवं स्वास्थ्य: Cleanness, Health & Hygiene
3. आवर्त सरणी : Periodic Table
4. हरित एवं स्वच्छ ऊर्जा : Green & Clean Energy

Please note that the play could be based on any one of the above topics and should convey a definite scientific message.

**INSTRUCTIONS****For Script Writer:**

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**For Participants:**

1. The duration of the play should not be more than **30 minutes**.
2. There should not be more than **8 actors** (including male & female) as a team for easy mobility.
3. The competition is open to the school students from **6th to 10th Standard**.
4. It should convey – scientific message.
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9. Written posters / banners / A.V. aids / backdrops can be used for illustration.
10. If presented in any language other than in English, or Hindi, the participating school has to submit an authentic Hindi / English translation of the script to the organizer well before staging the drama.

**Judging Criteria: Total Marks: 100**

a.	Presentation of the drama	-	50 Marks
b.	Scientific content in the drama	-	30 Marks
c.	Effectiveness of the drama	-	20 Marks

All participating teams of NSDF 2019 will get prizes in the form of cash or any kind. The panel of Judges will select the following individual prizes.

Best Direction	- One prize
Best script	- One prize
Best Actor	- One prize
Best Actress	- One prize

(6)

**Regional Science Centre, Guwahati**  
(National Council of Science Museums)  
Jawaharnagar, Khanapara, Guwahati – 781 022, Assam

**NATIONAL SCIENCE SEMINAR –2019**

**BASIC INFORMATION FOR SCIENCE SEMINAR UPTO STATE LEVEL**

Topic of the Seminar	<b>Periodic Table of Chemical Elements: Impact on Human Welfare</b> रासायनिक तत्वों की आवर्त सारणी :मानव कल्याण पर प्रभाव
Organised by	<b>National Council of Science Museums</b> (Ministry of Culture, Govt. of India) Sector - V, Block - GN, Bidhan Nagar Kolkata - 700 091
Venue of National Science Seminar	<b>Regional Science Centre, Guwahati</b> Jawaharnagar, Khanapara Guwahati – 781 022, Assam Phone : (0361) 2361699 / 9957722411 (M) Fax: (0361) 2361699 Email : <a href="mailto:rscghy@sancharnet.in">rscghy@sancharnet.in</a> ; <a href="mailto:mandalbasu4003@gmail.com">mandalbasu4003@gmail.com</a> ; Website: <a href="http://www.rscguwahati.gov.in">www.rscguwahati.gov.in</a>
Date of National Science Seminar	06 November, 2019

**RULES AND REGULATIONS**

**Introduction :**

The objective of the Science Seminar is to inculcate a spirit of scientific enquiry and analytical thinking in the minds of young students. The Science Seminar will be held on a competitive basis in each State and Union Territory. The Seminar is organized generally at School, Block, District and State level before culminating at the National Level. Winners from each School participate at Block level seminars and winners of Block level seminars participate at the District level seminars. A maximum of 2(Two) winners from each District participate in State/UT level Seminar and **only one winner from each State / Union Territory is eligible for National level Science Seminar**, which will be held at **Regional Science Centre, Guwahati** on the **6<sup>th</sup> November, 2019**.

Participants	:	High School Students from class VIII to Class X only																		
Language	:	English, Hindi or any recognized Indian language																		
Duration	:	Participants shall make his/her presentation on the given topic for a maximum duration of 6 minutes. This will be followed by a two minute Question-Answer Session with the Judges on the same topic.																		
Pattern	:	Each participant of the State/Union Territory Science Seminar will be asked 3 (three) questions in the Question-Answer session after his/her presentation by the judges and he/she will be required to answer any 2 questions in two minutes. There will be a written aptitude test also for all the participants before the Seminar starts.																		
Grading	:	For evaluating and grading the presentations of the participants, following criteria will be judged : <table><tr><td>1. Scientific Content in presentation</td><td>-</td><td>40 marks</td></tr><tr><td>2. Fluency in Speech</td><td>-</td><td>25 marks</td></tr><tr><td>3. Ability to answer questions</td><td></td><td></td></tr><tr><td>    (a) A written Aptitude Test of</td><td></td><td></td></tr><tr><td>        20 questions (20 minutes maximum)</td><td>-</td><td>10 marks</td></tr><tr><td>    (b) Answer to Questions in Question-Answer Session after the presentation</td><td></td><td></td></tr></table>	1. Scientific Content in presentation	-	40 marks	2. Fluency in Speech	-	25 marks	3. Ability to answer questions			(a) A written Aptitude Test of			20 questions (20 minutes maximum)	-	10 marks	(b) Answer to Questions in Question-Answer Session after the presentation		
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2. Fluency in Speech	-	25 marks																		
3. Ability to answer questions																				
(a) A written Aptitude Test of																				
20 questions (20 minutes maximum)	-	10 marks																		
(b) Answer to Questions in Question-Answer Session after the presentation																				



(2 out of 3 questions)	-	10 marks
4. Novelty in use of visuals	-	15 marks
<b>Total:</b>		<b>100 marks</b>

Supplementary Visuals : The maximum number of supporting visuals / slides / charts etc. permitted per presentation is altogether 5 (five) only. The details of these are as given below:

- a) Charts / Posters - maximum size permitted is 850 mm (width) x 600 mm (height). All charts / posters are to be mounted - one on top of other - as done in a calendar. One side of the chart / poster is considered as one unit. There should be no pop-ups

OR

- b) The size of the overhead projector slides should not be more than A4 size, which could be viewed fully when projected

OR

- c) Computer based slides, Static (Office 2007/ 2010 .ppsx & .pptx format) without additional features like animation, pop-ups, rollovers, etc. No interaction within one slide is permitted.

**Note: 3D models, videos and films are not allowed to be shown during the deliberation / presentation.**

Prizes : As decided by the host organizers of State / Union Territory level Science Seminars.

Date : As announced by the State / UT organizing authority (like State / UT Education Dept. / SCERT / SISE / SIE / S&T etc.). However, all contests in States / UTs must be completed on or before **15<sup>th</sup> September, 2019**. (This is mandatory in order to enable the participants to prepare for National Level Seminar).

Special Note : At the time of deliberation, no Teacher or Escort shall be allowed to assist the participant on the dais except for physically challenged students.

#### INFORMATION TO THE HOST (STATE / UT) ORGANISER:

The details of the Seminar held at each District level and State / UT level may be sent to **Regional Science Centre, Guwahati** along with photographs of the event. During the State / UT Level Competition, a banner showing the details of the sponsor (to be communicated by us later) may be displayed and a photograph of the banner with the participants may be sent to the National Coordinator for records.

– Contact Address –

**Regional Science Centre, Guwahati**

Jawaharnagar, Khanapara

Guwahati – 781 022, Assam

Phone: (0361) 2361699 / 9957722411 (M)

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राष्ट्रीय शैक्षिक अनुसंधान  
और प्रशिक्षण परिषद्



NATIONAL COUNCIL OF EDUCATIONAL  
RESEARCH AND TRAINING

F.No. 6.26/DESM/2019-20/

Theme, sub-theme and topic for one day seminar for  
SLSMEE 2019-20 and JNNSMEE 2020

Date: 04/07/2019

This is to inform to all concerned that Theme, sub-themes and topic for one day seminar for State Level Science Mathematics and Environment Exhibition (SLSMEE), for Children 2019-20 and Jawaharlal Nehru National Science Mathematics and Environment Exhibition (JNNSMEE) for Children 2020, have been finalized and are as follows:

Theme:-

"Science and Technology for Sustainable Development"

Sub-themes:-

1. Sustainable Agricultural Practices
2. Cleanliness and Health
3. Resource Management
4. Industrial Development
5. Future Transport and Communication
6. Educational Games and Mathematical Modelling.

(Note: Sub-themes listed above are suggestive. Students may also develop innovative models on any other sub-theme, pertaining to the main theme- Science and Technology for Sustainable Development).

Topic for one day seminar:-

"Periodic Table of Elements"

(Ashish Kumar Srivastava)  
Coordinator, SLSMEE  
Department of Education in  
Science and Mathematics

(Dinesh Kumar)  
Professor & Head  
Department of Education in  
Science and Mathematics

श्री अरविन्द मार्ग, नई दिल्ली-110016

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तार: शिक्षाशोध

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GRAMS: EDUSEARCH



राष्ट्रीय शैक्षिक अनुसंधान  
और प्रशिक्षण परिषद्



NATIONAL COUNCIL OF EDUCATIONAL  
RESEARCH AND TRAINING

फा.सं. 6-26/ डीईएसएम/2019-20/एसीएम/

एसएलएसएमईई 2019-20 एवं जेएनएनएसएमईई-2020 के लिए विषय,

उप-विषय तथा एक-दिवसीय सेमिनार (विचार-गोष्ठी) के लिए विषय

दिनांक: 04.07.2019

सूचित किया जाता है कि बच्चों के लिए राज्य स्तरीय विज्ञान, गणित एवं पर्यावरण प्रदर्शनी (एसएलएसएमईई) 2019-20 एवं बच्चों के लिए जवाहरलाल नेहरू राष्ट्रीय विज्ञान, गणित एवं पर्यावरण प्रदर्शनी (जेएनएनएसएमईई) 2020 के विषय (थीम), उप-विषय तथा एक-दिवसीय सेमिनार (विचार-गोष्ठी) के लिए विषय निश्चित कर लिए गए हैं जो इस प्रकार हैं:

विषय (थीम):

"सतत विकास के लिए विज्ञान और प्रौद्योगिकी"

उप-विषय:

1. सतत कृषि प्रणालियाँ
2. स्वच्छता एवं स्वास्थ्य
3. संसाधन प्रबंधन
4. औद्योगिक विकास
5. भावी परिवहन और संचार
6. शैक्षिक खेल तथा गणितीय प्रतिरूपण

(उपरोक्त विषय केवल सुझाव के लिए हैं। छात्र मुख्य विषय- "सतत विकास के लिए विज्ञान और प्रौद्योगिकी" से संबंधित किसी अन्य उप-विषय पर भी अभिनव मॉडल विकसित कर सकते हैं।)

एक-दिवसीय सेमिनार (विचार-गोष्ठी) के लिए विषय:

"तत्त्वों की आवर्त सारणी"

(आशीष कुमार श्रीवास्तव)  
समन्वयक, एसएलएसएमईई  
विज्ञान एवं गणित शिक्षा विभाग

(दिनेश कुमार)  
प्रोफेसर एवं विभागाध्यक्ष  
विज्ञान एवं गणित शिक्षा विभाग

श्री अरविन्द मार्ग, नई दिल्ली-110016  
दूरभाष: 26560620, 26566360 फैक्स: 91-11-26568419  
सा. शिक्षाशोध

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GRAMS: EDUSEARCH

## List of the Zonal Convener for Science Activities/Exhibition

S. No.	Name of HOS/ Officer	Name of School and School ID	Mobile No. of HOS/Officer	E-mail ID	Name of the Activity	District/Zone
1	Sh. B.S. Aggarwal	RPVV, Surajmal Vihar (1001104)	9958615334	<a href="mailto:1001104hos@gmail.com">1001104hos@gmail.com</a>	Science based activities/ Science Exhibition	Zone-1 East
2	Sh. Arvind Bhille	GBSSS, Gazipur (1002363)	9911205935	<a href="mailto:1002363hos@gmail.com">1002363hos@gmail.com</a>	Science based activities/ Science Exhibition	Zone-2 East
3	Ms. Alka Panwar	RPVV, Gandhi Nagar (1003261)	9868828998	<a href="mailto:1003261hos@gmail.com">1003261hos@gmail.com</a>	Science based activities/ Science Exhibition	Zone-3 East
4	Sh. Suresh Kashyap	SBV B-1 Yamuna Vihar (1104001)	9871629535	<a href="mailto:gsbvno.1@gmail.com">gsbvno.1@gmail.com</a>	Science based activities/ Science Exhibition	Zone-4 N/E
5	Savita Jayant	BCP SKV Babarpur (1105019)	8802040534	<a href="mailto:1105019hos@gmail.com">1105019hos@gmail.com</a>	Science based activities/ Science Exhibition	Zone 5 N/E
6	Mrs. Asha Kumar (Principal)	GGSSS, C-Block Dilshad Garden (ID-1106025)	9811883928	<a href="mailto:1106025hos@gmail.com">1106025hos@gmail.com</a>	Science based activities/ Science Exhibition	Zone 6 N/E
7	PRADEEP KUMAR MUNDRA	Timarpur-SBV-1207012	9717047554	<a href="mailto:sbvtimarpur1207012@gmail.com">sbvtimarpur1207012@gmail.com</a>	Science based activities/ Science Exhibition	Zone-7 North
8	Smt. Sumitra Devi Bokolia	SKV Gulabi Bagh (1208013)	9811648141	<a href="mailto:gskvgulabibagh@gmail.com">gskvgulabibagh@gmail.com</a>	Science based activities/ Science Exhibition	Zone-8 North
9	Dr. Shalini	GGSSS, No.2, Model Town (1309126)	9999074627	<a href="mailto:1309126hos@gmail.com">1309126hos@gmail.com</a>	Science based activities/ Science Exhibition	Zone-9 NWA
10	PRINCY PRIYA BHARTI PANDIT	SKV, Bawana (1310042)	9818717612	<a href="mailto:rsgskv1310042@gmail.com">rsgskv1310042@gmail.com</a>	Science based activities/ Science Exhibition	Zone-10 NWA
11	Sh. Raj Kumar Sharma	S.V. C-Block, Saraswati Vihar (1411123)	9999360037	<a href="mailto:1411123@gmail.com">1411123@gmail.com</a>	Science based activities/ Science Exhibition	Zone-11 NWB
12	Ms. Renu Bala Gupta (19911193)	SKV, H-Blk. Mangol Puri (1412024)	9968095500	<a href="mailto:gskvhblock@gmail.com">gskvhblock@gmail.com</a>	Science based activities/ Science Exhibition	Zone-12 NWB
13	DR. ARUN KUMAR BHATIA	Rohini, Sector 3-SV, Rohini (1413002)	9896090124	<a href="mailto:1413002zone13@gmail.com">1413002zone13@gmail.com</a>	Science based activities/ Science Exhibition	Zone-13 NW-B
14	Sangeeta Sharma	SKV, B-Block, Janakpuri (1514019)	9891744288	<a href="mailto:skv.janakpuri@hotmail.com">skv.janakpuri@hotmail.com</a>	Science based activities/ Science Exhibition	Zone-14 West-A
15	Mr. Sanjeev Kumar Gaur	GBSSS Rajouri Garden Extn. 1515006	8368540286	<a href="mailto:1515006z15@gmail.com">1515006z15@gmail.com</a>	Science based activities/ Science Exhibition	Zone-15 West-A



16	Smt. Sheela Gandhi	SKV West Patel Nagar (1516142)	9971927890	wpn.skv007@gmail.com, 1516142zone16@gmail.com	Science based activities/ Science Exhibition	West-A (16)
17	SHRI G N DEOLAL	SV CO-ED B-4, PASCHIM VIHAR (1617008)	8800791800	gscevb4pv@gmail.com	Science based activities/ Science Exhibition	Zone 17 West-B
18	Mr. SANTOSH PAL MEENA	GBSSS, BINAPUR- 1618059	9868563429	bindapur1618059@gmail.com	Science based activities/ Science Exhibition	ZONE -18 West-B
19	Narender Kumar	Govt Co-Ed SSS, R K Puram, Sector-5 (ID-1719104)	9891170992	gcsssrkpsc5@rediffmail.com	Science based activities/ Science Exhibition	Zone-19, SW-A
20	Dr. Rajbir Singh	GBSSS, Mahipal Pur (1720029)	9717399152	gbsss1720029@gmail.com	Science based activities/ Science Exhibition	Zone-20 SW-A
21	Sh. S K Singh Principal	G CoEd SSS, Sector-2, (18210129)	9913382933 8744996363	govtsss_dwarka@rediffmail.com	Science based activities/ Science Exhibition	South West-B Zone-21
22	Sh. Satyaveer Singh. HOS	G Coed Surhera (1822603)	9868536050	rtrsurhera@gmail.com	Science based activities/ Science Exhibition	South West-B Zone-22
23	Sh. Gajraj Singh	GBSSS, Begumpur (1923013)	9013322696	gbsssbp@gmail.com	Science based activities/Science Ex.	Zone-23 South
24	Sh. Rajbir Singh	ATSBV, Chhattarpur (1923081)	9968265579	atsbv1923081@gmail.com	Science based activities/Science Ex.	Zone-24 South
25	Dr. C S Verma	Chirag Enclave-SBV (Kautilya), Sch ID-1925003	9871714366	chitender1@gmail.com	Science based activities/Science Ex.	Zone-25/SE
26	Sh. S.P. Singh, Vice Principal	Sarvodaya Vidyalaya, Kitchner Road, 2026002	9968342174	kitchnerroadsv@yahoo.com	Science based activities/Science Ex.	Zone-26 Central & New Delhi
27	Dr. Devendra	SBV Rouse Avenue-2127001	9560794333	hos2127001@gmail.com	Science based activities/Science Ex.	Zone-27 Central & New Delhi
28	Sh. Hans Raj Modi, V.PI.	RPVV Link Road, Karol Bagh, New Delhi ID 2128031	9810877320	Zone12rpvv@gmail.com	Science based activities/Science Ex.	Zone-28 Central & New Delhi
29	Mohd. Shariq	School of Excellence Kalkaji-1925430	9643920087	excellencekj1925430@gmail.com	Science based activities/Science Ex.	Zone-29/SE