



Government of Goa

State Council of Educational Research and Training

Alto-Porvorim, Goa 403521.

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No. SCERT/SSE/360/2007-08/Part I/1930

Dated: 23rd December 2020

To,

The Headmaster/Headmistress/Principal,

Subject: State Level Science, Mathematics and Environment Exhibition for Children – 2020-21 (SLSMEE 2020-21)

Sir/Madam,

The State Council of Educational Research & Training, Alto-Porvorim, has scheduled to organize the State Level Science, Mathematics & Environment Exhibition for Children 2020-21 in collaboration with NCERT, New Delhi for the students of Secondary & Higher Secondary Schools in Goa, preferably for class IX to class XII. The theme for SLSMEE 2020-21 and JNNSMEE 2020-21 is **“Technology and Toys”** The five Sub themes are: -

1. Eco Friendly Material
2. Health, Hygiene and Cleanliness
3. Interactive Software
4. Historical Development
5. Mathematical Modelling

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

The Guidelines for the preparation of Exhibits and models is enclosed herewith. Also, it can be downloaded from the NCERT website www.ncert.nic.in.

This exhibition is proposed to be held from, 27th January to 29th January 2021, and one day Science seminar for science teachers on 18th January 2021 on the subject **“Implementation of Science and Technology in Daily Life.”** The exhibition and Seminar will be Online. The timings for the exhibition for all three days will be from 10.00 a.m. to 5.00 p.m. The Seminar is for regular Science Teachers only with a relaxation to Government High Schools for (LBTs).

PRIZES: - It is proposed to award the following prizes at State Level Exhibition.

First Prize	Rs. 2,000/-
Second Prize	Rs. 1,500/-
Third Prize	Rs. 1,200/-
Fourth Prize	Rs. 1,000/-
Fifth Prize	Rs. 800/-
5 Special prizes @ Rs.500/-	Rs. 2,500/-

The schools participating in the Exhibition should send their entries to this Council only through Google forms on the given link on or before 15th January 2021 along with the write-up of the exhibit.

(Link for Students Exhibition: <https://forms.gle/iSdu98B478wm3Kkk9>).

The Science Teachers participating in Seminar should send their entries to this Council only through Google forms on the given link on or before 11th January 2021 (Link for Teachers Seminar:

<https://forms.gle/FwFFacEqWssk6UDo9>)

Each school can display two exhibits and each exhibit should be accompanied by **one student & a guide Teacher**. It may be noted that only one teacher will be allowed to accompany the exhibits even if the school is participating with two exhibits.

The exhibits could be static/working models. **The model exhibited should not occupy space beyond 90 cm x 60 cm.**

The Science/ Mathematics/ Environment Projects exhibited in the past either in the State Level Western India Science Fair, District/ State Level Exhibition for INSPIRE Awardees or in the State Level Jawaharlal Nehru Science, Mathematics & Environment Exhibition shall not be allowed and such exhibits shall be disqualified for participation.

Technical details for virtual mode of exhibition will be communicated by 2nd week of January 2021.

Yours faithfully,



(N. G. Honnekeri)
Director, SCERT, Goa.

Encl:- As above.

Copy to:

1. The Director of Education, Directorate of Education, Panaji – Goa.
2. The Dy./Asst. Director of Education, North/Central/South Educational Zone, Mapusa/Panaji/Margao
3. All A.D.E.I.'s

48th JAWAHARLAL NEHRU NATIONAL SCIENCE, MATHEMATICS &
ENVIRONMENT EXHIBITION (JNNSMEE 2021) FOR CHILDREN

THEME: Technology and Toys

PROFORMA – I

Information about the Exhibit / Model

1. Title of the Exhibit/Model _____
(in BLOCK Letters) _____

2. Sub-theme:

- | | | |
|---|---------------------------------|--------------------------|
| 1 | Eco Friendly Material | <input type="checkbox"/> |
| 2 | Health, Hygiene and Cleanliness | <input type="checkbox"/> |
| 3 | Interactive Software | <input type="checkbox"/> |
| 4 | Historical Development | <input type="checkbox"/> |
| 5 | Mathematical Modelling | <input type="checkbox"/> |

Science Mathematics Environment

3. Name of contributing Student _____ (M/F)
(in BLOCK Letters)

Mobile No. _____

Email _____

4. Name of Guiding Teacher _____ (M/F)
(in BLOCK Letters)

Mobile No. _____

Email _____

5. Name of school with complete postal address (in BLOCK letters):

State/UT-----PIN: -----

Phone: ----- Email: -----

6. Type of the School Government /Local Body/Private Aided/Private
Unaided/Any Other (Please specify) -----

7. Affiliation of the School: State Board/ICSE/CBSE, Any Other (Please specify)

8. Location of the School: Tribal/Rural/Backward/Semi Urban/Urban

9.Nature of the Exhibit/Model: Innovative/Improvised Apparatus
Working/Static Model/Study Report
Any Other (Please specify) -----

10.Whether Dark room space is needed for the display of exhibit: Yes/No

11.Approximate space required for the display of Exhibit _____

12.Source of inspiration/help for preparing the exhibit/model:
(Please explain briefly about the nature and form of help received from the following)

i. From Teachers/School
.....
.....

ii. From Parents
.....
.....

iii. From Peer Group
.....
.....

iv. Any other
.....
.....

13.Brief Summary (Please explain the purpose (or aim) and the scientific principle involved in the exhibit / model in not more than three lines).

14. WRITE-UP OF THE EXHIBIT / MODEL (not more than 1000 words) in the following format (**Note:** Proper submission of the Write-up will ensure that if selected for participation in the 48th Jawaharlal Nehru National Science, Mathematics & Environment Exhibition (JNNSMEE 2021) for Children – 2021, it will be considered for publication in the booklet entitled : Structure and Working of Exhibits. For convenience, examples of write-ups of exhibits are also given in this booklet.)

i. Introduction :

- * Purpose (or Rationale) behind the development or construction of the exhibit ; and
- * The scientific principle involved.

ii. Description :

- * Materials used for the construction;
- * Construction and working of the exhibit / model, and
- * Applications, if any.

iii. References :

- * Books, journals or magazines referred for preparation of the exhibit/model

iv. Illustration :

- * Black and white line diagram of the model, illustrating the working of the exhibit/model.
- * Close-up photographs of the exhibit/model.

15. **Five minutes video presentation in CD by the students** about the exhibit containing (i) title of the exhibit (ii) sub-theme of the exhibit (iii) working of the exhibit (iv) scientific principle involved in it (v) application, etc., should also be sent along with the write-ups.

- Note:
- i. Please do not pin or paste the photographs of the exhibits. Enclose them in a separate envelope. Description of the photograph may be written on its back.
 - ii. Please do not enclose the photographs of participating student (s) and their guide teacher (s).
 - iii Please do not send the scanned /soft copies of write-ups instead of video presentation.

CERTIFICATE OF ORIGINALITY

We,..... hereby declare that the submitted exhibit/model is our original creative work / modified form of available work and to the best of our knowledge, this exhibit/model has never been developed by any other person in this form. (Strike off, whichever is not applicable.)

(Signatures of students and teachers)

Student:- _____

Guide Teacher: _____