



## केन्द्रीय माध्यमिक शिक्षा बोर्ड

(मानव संसाधन विकास मंत्रालय, भारत सरकार, के अधीन एक स्वायत्त संगठन)

शिक्षा सदन, 17, इन्स्टिट्यूशनल क्षेत्र, राउज एवेन्यु, दिल्ली-110002.

**CENTRAL BOARD OF SECONDARY EDUCATION**

(An Autonomous Organization under the Union Ministry of Human Resource Development, Govt. of India)

"Shiksha Sadan", 17, Institutional Area, Rouse Avenue, Delhi-110002



CBSE/ACAD/AD(R&I)/Sci. Ex./2015

11<sup>th</sup> September, 2015  
Circular No.: Acad.-60/2015

All Heads of Institutions  
affiliated to the Board

**SUBJECT: ORGANIZATION OF CBSE SCIENCE EXHIBITION - 2015-16**

Dear Principal

The Central Board of Secondary Education (CBSE) has been taking many initiatives to provide interactive, participatory, hands-on, innovative and creative learning experiences to students studying in its affiliated schools. One such initiative refers to the organization of Science Exhibition at Regional and National levels every year. The activity aims at providing a common platform to schools, teachers and students to give shape to their innovative ideas and learn from each other's experiences. These exhibitions also provide a medium for popularizing Science and increasing awareness among stakeholders about the close relationship between Science, Technology and Society.

Taking into consideration the enthusiastic response from participating schools in the past, it has again been decided to organize Science exhibitions for the academic year 2015-16. These exhibitions are likely to be organized in different parts of the country at **REGIONAL LEVEL** in the month of **November/ December in 2015** and at **NATIONAL LEVEL** in the month of **January/February in 2016**.

**The main objectives of organizing Science Exhibition for 2015 – 16 can be summarized as:**

- to provide a forum for children to pursue their natural curiosity, creativity, innovation and inventiveness;
- to make children feel that science and mathematics are all around us and we can gain knowledge as well as solve many problems by relating the learning process to the physical and social environment;
- to lay emphasis on the development of science and mathematics as a major instrument for achieving goals of self-reliance, socio-economic and socio-ecological development of the nation and the world;
- to analyze how science and mathematics have developed and are affected by many diverse individuals, cultures, societies and environment;

- to appreciate the role of science and mathematics in meeting the challenges of life such as climate change, opening new avenues in the areas of agriculture, fertilizer, food processing, biotechnology, green energy, disaster management, information and communication technology, astronomy, transport, games and sports etc.
- to create awareness about environmental issues and concerns and inspire children to devise innovative ideas towards their prevention and mitigation.

### Theme and sub – themes for the Science Exhibition for 2015 - 16

THEME	SUB-THEME
Science and Mathematics for Inclusive Development	<ol style="list-style-type: none"> <li>1. Health, Nutrition and Cleanliness</li> <li>2. Resource Management</li> <li>3. Industry</li> <li>4. Agriculture and Food Safety</li> <li>5. Disaster Management</li> <li>6. Mathematics for a Quality Life</li> </ol>

**NOTE: The students may prepare an exhibit/model on any sub–theme other than the above listed six sub–themes but it should be in the context of the main theme of the exhibition i.e. ‘Science and Mathematics for Inclusive Development’**

**Key aspects of the exhibition:**

#### **HOW TO REGISTER -**

- All schools willing to participate may fill up the on-line registration form. The print out of the form duly signed and forwarded by the Principal along with the typed brief write-up (not more than 1000 words) for each exhibit and Demand Draft may be sent at the address mentioned below\*\*.
- The last date for filling the on-line registration form is 20<sup>th</sup> October, 2015.
- Every participating school will pay a participation fee of Rs. 650/- in the form of **DEMAND DRAFT** in favour of ‘**Secretary CBSE**’ payable at **New Delhi**. It is to be noted that the following details should be written at the back of the **Demand Draft** –
  1. Name of the School with complete address
  2. Affiliation no.
  3. Names of the participants
  4. Contact number
- The **DEMAND DRAFT** and typed brief write-up (not more than 1000 words) for each exhibit, along with the printed copy of the online registration form duly signed and forwarded by the Principal is to be sent to the following address super scribed ‘**SCIENCE EXHIBITION 2015–16**’ by **31<sup>ST</sup> OCTOBER, 2015**

**\*\* MRS. ARCHANA THAKUR**  
 ASSISTANT PROFESSOR AND DEPUTY DIRECTOR  
 CENTRAL BOARD OF SECONDARY EDUCATION  
 “SHIKSHA SADAN”, 17, ROUSE AVENUE  
 NEW DELHI – 110 002.

## RULES FOR PARTICIPATION:

- (i) **Number of exhibits/projects/models** - A participating school can put up a maximum of two exhibits/projects/models.
- (ii) **School Team** - A school team may be represented by a maximum of two students per exhibit and one escort Science Teacher.
- (iii) School team participating at Regional Level and National Level must remain the same.
- (iv) Students studying in **Grade VI to XI in the current academic year i.e. 2015–16** are **eligible** to participate.
- (v) The exhibit/ project displayed and selected at regional level should be based on the theme and sub-theme selected.
- (vi) The sub – theme once selected cannot be changed.
- (vii) The exhibit/model may include –
  - Working model to explain a concept, principle or a process
  - An indigenous design of a machine/device
  - An innovative/inexpensive design or technique
  - Application of basic principles of Science/Technology
  - Scheme/design of a device or machine to reduce production cost
  - Investigation based study
- (viii) The participating school/team will have to bear **all expenses** related to participation in the event.
- (ix) The participating teams will have to make their own **lodging/boarding arrangements** at the venue city of exhibition.
- (x) A few exemplar ideas pertaining to the sub – themes listed in the context of the theme for the development of exhibits are enclosed as Annexure – I.
- (xi) It is mandatory to submit a neatly typed brief write up (not more than 1000 words) about the exhibit at regional as well as national level at the time of registration that may include –
  - Introduction
  - Materials required
  - Scientific principle involved
  - Construction and working
  - Applications in different domains of life
  - Advantages
  - Any other point to be specified
- (xii) The exhibits/projects will be **assessed** by the experts as per the following **criteria**:

a. Students’ own creativity and imagination	20%
b. Originality and scientific and mathematical innovations in the exhibit/model	15%
c. Scientific thought/principle/approach	15%
d. Technical skill, workmanship and craftsmanship	15%
e. Utility for Society, scalability/educational value	15%
f. Economic (low cost), portability, durability etc.	10%
g. Presentation- aspects like demonstration, explanation and display	10%

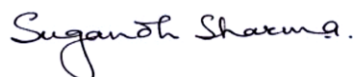
**GENERAL GUIDELINES:**

- (i) The first stage of exhibition will be held at different venues in every region. The information regarding the venues will be circulated/notified later on.
- (ii) The selected best eighteen (the numbers may increase or decrease depending on the quality of the exhibit) exhibits at every regional level venue will be eligible to participate in the National level exhibition.
- (iii) The actual dates for the regional level will be communicated to every school and details will also be available on CBSE website [www.cbseacademic.in](http://www.cbseacademic.in) by the end of October, 2015.
- (iv) Schools are advised to follow CBSE's guidelines available on CBSE website.
- (v) Each participant of the Regional and National Level Science Exhibition would be awarded a 'Certificate of Participation'. Each winner of Regional and National Level Science Exhibition would be awarded a 'Certificate of Merit'.
- (vi) The names of the winners of the National Level Science Exhibition will be forwarded to NCERT for their consideration for participation in 43<sup>rd</sup> Jawaharlal Nehru National Science Mathematics and Environmental Exhibition for Children in 2016 to be organised by NCERT. The winners of National level science exhibition may also get an opportunity to attend a mentoring camp and National Fair (2016) to be organized by Initiative for Research and Innovation in Science (IRIS). The confirmation for the participation in the aforementioned programmes is subjected to their selection for the same.

The above information may be brought to the notice of all concerned, particularly the science faculty in the school and the students. For any other information in this regard, you may contact at **Tel. No.- 011-23230328** or email at [scienceexhibition2015@gmail.com](mailto:scienceexhibition2015@gmail.com) with a copy to undersigned.

You may also send any specific suggestions or observations in this regard to the undersigned at the above e-mail address.

Yours sincerely,



**(Sugandh Sharma)**  
**Additional Director (Research and Innovation)**

**Encl.: ANNEXURE – I**

**Copy to the respective Heads of Directorates, Organizations and Institutions as indicated below with a request to disseminate the information to all the schools under their jurisdiction:**

1. The Commissioner, Kendriya Vidyalaya Sangathan, 18-Institutional Area, Shaheed Jeet Singh Marg, N D-16
2. The Commissioner, Navodaya Vidyalaya Samiti, B-15, Sector-62, Institutional Area, Noida-201309.
3. The Director of Education, Directorate of Education, Govt. of NCT of Delhi, Old Secretariat, Delhi-110 054.
4. The Director of Public Instructions (Schools), Union Territory Secretariat, Sector 9, Chandigarh– 160 017.
5. The Director of Education, Govt. of Sikkim, Gangtok, Sikkim – 737101.
6. The Director of School Education, Govt. of Arunachal Pradesh, Itanagar – 791 111
7. The Director of Education, Govt. of A&N Islands, Port Blair - 744101.
8. The Director of Education, S.I.E., CBSE Cell, VIP Road, Junglee Ghat, P.O. 744103, A&N Island
9. The Director, Central Tibetan School Administration, ESSESS Plaza, Community Centre, Sector 3, Rohini
10. The Additional Director General of Army Education, A –Wing, Sena Bhawan, DHQ, PO, New Delhi-110001.
11. The Secretary AWES, Integrated Headquarters of MoD (Army), FDRC Building No. 202, Shankar Vihar (Near APS), Delhi Cantt-110010
12. The Under Secretary (EE-1), MHRD, Govt. of India, Department of SE&L, Shastri Bhawan, New Delhi-110001
13. All Regional Directors/Regional Officers of CBSE with the request to send this circular to all the Heads of the affiliated schools of the Board in their respective regions.
14. All Associate Professor & Additional Directors/Advisors/Consultants
15. All Joint Director/Deputy Director/Assistant Director, CBSE
16. Incharge IT Unit with the request to put this circular on the CBSE Academic website.
17. The Assistant Librarian, CBSE
18. The Public Relations Officer, CBSE
19. PS to Chairperson, CBSE
20. PS to Secretary, CBSE
21. PS to Controller of Examinations, CBSE
22. PS to Director (Special Exams and CTET), CBSE
23. PA to JS & IC (A & T)
24. PA to AD & IC (R&I)
25. PS to Director (Information Technology)

**Additional Director (Research & Innovation)**