



केन्द्रीय माध्यमिक शिक्षा बोर्ड

(शिक्षा मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संगठन)

CENTRAL BOARD OF SECONDARY EDUCATION

(An Autonomous Organisation Under the Ministry of Education, Govt. of India)



CBSE/ACAD/JS(AHA)/2024

Date: 31.01.2024

Circular No: Acad-13/2024

All the Heads of Schools Affiliated to CBSE

Subject: Participation of CBSE school students and teachers in 'shadow the scientist' programmes under the STEAM experiential learning programs for India's Youth

In reference to the Ministry's (DoSE&L, Ministry of Education) letter No.F.1-5/2024-CBSE dated 08.01.2024, it is informed that the "Shadow the Scientist" (StS) program of Department of Astronomy and Astrophysics, University of California Observatories, University of California Santa Cruz, is a unique opportunity that allows high school students to experience firsthand what it's like to be a scientist. Participants get the chance to shadow a scientist or researcher, observing their work, asking questions, and gaining insights into the world of scientific research.

The faculty of Astronomy and Astrophysics, University of California Observatories, Santa Cruz, along with their research team initiated StS amidst the challenges posed by the COVID-19 in which they started inviting groups of students and educators to virtually join their observing nights on telescopes like Keck Observatory, Subaru, and Lick Observatory/Shane.


In these StS astronomy Zoom sessions, the primary focus is on real-time communication among the team of astronomers providing participants a firsthand experience of genuine scientific research, with content that remains unaltered or curated. The sessions have been exciting for students and educators as they get to:

- Connect with actual scientists and engineers, observing their problem-solving processes, understanding their passions, and learning about their academic and career journeys.
- Gain insights into the underlying scientific principles.
- Understand the technical aspects of research equipment such as telescopes, spectrographs, and cameras.

The University of California has extended an opportunity for students aged 15-17 and teachers from 1000 CBSE-affiliated schools on 'First Cum First Basis' to participate in the Creating Equity in STEAM (CrEST) program in the first phase. The Programme is offered to schools free of cost

This program presents an exceptional opportunity for schools to embrace real-time experiential learning in astrophysics. By encouraging participation, students can immerse themselves in firsthand experiences that might ignite a genuine interest in the field.

Schools with high-speed internet connectivity may express their interest by completing the Google form available at the following link: <https://forms.gle/FyMDdtw4uwcwMjwE7> on or before February 29, 2024. The final dates for the Shadow the Scientists (StS) sessions conducted via Zoom will be communicated to participating schools.


Dr. Joseph Emmanuel
Director (Academics)

'शिक्षा सदन', 17 राऊज़ एवेन्यू, इंस्टीट्यूशनल एरिया, नई दिल्ली-110002

'Shiksha Sadan', 17, Rouse Avenue, Institutional Area, New Delhi – 110002





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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, New Delhi-16
2. The Commissioner, Navodaya Vidyalaya Samiti, B-15, Sector-62, Institutional Area, Noida.
3. The Secretary, Eklavya Model Residential Schools (EMRS), MoTA, Government of India.
4. The Secretary, Sainik Schools Society, Room No. 101, D-1 Wing, Sena Bhawan, New Delhi-110001.
5. The Chairman, Odisha Adarsha Vidyalaya Sangathan, N-1/9, Near Doordarshan Kendra, PO Sainik School Nayapalli, Bhubaneswar, Odisha-751005.
6. The Director of Education, Directorate of Education, Govt. of NCT of Delhi, Old Secretariat, Delhi-110054
7. The Director of Public Instructions (Schools), UT Secretariat, Sector 9, Chandigarh-160017
8. The Director of Education, Govt. of Sikkim, Gangtok, Sikkim-737101
9. The Director of School Education, Govt. of Arunachal Pradesh, Itanagar-791 111
10. The Director of Education, Govt. of A&N Islands, Port Blair-744101
11. The Director of Education, S.I.E., CBSE Cell, VIP Road, Junglee Ghat, P.O. 744103, A&N Island
12. The Additional Director General of Army Education, A-Wing, Sena Bhawan, DHQ, PO, New Delhi-110001
13. The Secretary AWES, Integrated Headquarters of MoD (Army), FDRC Building No. 202, Shankar Vihar (Near APS), Delhi Cantt-110010
14. 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
15. The Director of School Education, Ladakh, Room No. 101, 102 Ground Floor, Council Secretariat, Kurbathang, Kargil-Ladakh
16. The Director of School Education, Andhra Pradesh, 3rd Floor, B block, Anjaneya Towers, VTPS Rd, Bhimaraju Gutta, Ibrahimpatnam, Andhra Pradesh PIN: 521456
17. All Joint Secretary/Deputy Secretary/Assistant Secretary/SPS/Analyst, CBSE
18. All Head(s)/In-Charge(s), Centre of Excellence, CBSE
19. In charge IT Unit with the request to put this Circular on the CBSE Academic Website
20. In-Charge, Library
21. The Head (Media & Public Relations), CBSE
22. DS to Chairperson, CBSE
23. SPS/PS to all directors Secretary, CBSE
24. PPS to Director (Professional Examinations), CBSE
25. Record File

Director (Academics)

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