



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)



वशुधेव कुतुम्बकम्
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No.: CBSE/Training Unit/2024

Date: 29.11.2024

Circular No. TRG- 50/2024

All the Principals/Heads of Schools/Institutions affiliated to CBSE.

Subject: "Integration of Virtual Labs in Teaching-Learning" – reg.

Technological advancements have provided a plethora of tools to teachers that can be used in classroom to provide experiential learning. One such tool is Virtual Labs which were launched on DIKSHA on 29th July 2022, as per the recommendation of NEP 2020 clause 24.4 which states "Existing e-learning platforms such as DIKSHA, SWAYAM, and SWAYAMPABHA will also be leveraged for creating virtual labs so that all students have equal access to quality practical and hands-on experiment-based learning experiences".

CIET- NCERT in terms of its communication vide mail dated 26.11.2024 has informed phase-wise weekly online trainings on "**Integration of Virtual Labs in Teaching-Learning**" from 02- 11 December 2024 (Phase- II) from 10.00 am - 11.00 am to enhance the understanding of teachers, and other stakeholders on the efficient use of resources available in virtual labs.

Programme Schedule:

Day & Date	Title of the Session
02.12.2024 (Monday)	Virtual Labs: Need Perspective and Scope
03.12.2024 (Tuesday)	Virtual Lab as a teaching learning tool for Biology
04.12.2024 (Wednesday)	Virtual Lab as a teaching learning tool for Physics
05.12.2024 (Thursday)	Virtual Lab as a teaching learning tool for Computer Science
09.12.2024 (Monday)	Virtual Lab as a teaching learning tool for Languages
10.12.2024 (Tuesday)	Virtual Lab as a teaching learning tool for Chemistry
11.12.2024 (Wednesday)	Virtual Lab as a teaching learning tool for Mathematics

These sessions will be telecast on PM eVIDYA DTH TV channels (classes VI- XII) and NCERT official YouTube channel- <https://www.youtube.com/c/NCERTOFFICIAL>.

All Principals/Heads of schools affiliated to CBSE are requested to disseminate the information suitably for benefit of educators.

(Manoj Kr. Srivastava)
Director (Training)



'शिक्षा केंद्र', 2 सामुदायिक केंद्र, प्रीत विहार, दिल्ली-110092
'Shiksha Kendra', 2, Community Centre, Preet Vihar, Delhi – 110092





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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, Delhi – 110016.
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 -110054.
4. The Secretary, Eklavya Model Residential Schools (EMRS), Ministry of Tribal Affairs, Government of India.
5. The Director of Public Instructions (Schools), Union Territory Secretariat, Sector 9, Chandigarh -160017.
6. The Director of Education, Govt. of Sikkim, Gangtok, Sikkim – 737101.
7. The Director of School Education, Govt. of Arunachal Pradesh, Itanagar – 791111.
8. The Director of Education, Govt. of Andaman & Nicobar Islands, Port Blair – 744101.
9. Director, School Education, Ladakh, Council Secretariat Kurbathang, Kargil, Ladakh.
10. The Director, Central Tibetan School Administration, ESSESS Plaza, Community Centre, Sector 3, Rohini.
11. The Secretary, Sainik Schools Society, Room No.101, D-1 Wing, Sena Bhawan, New Delhi-110001.
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, ShankarVihar (Near APS), Delhi Cantt – 110010.
14. The Chairperson, Odisha Adarsha Vidyalaya Sangathan, N-1/9, Near Doordarshan Kendra, PO Sainik SchoolNayapalli, Bhubaneswar, Odisha-751005.
15. Director, School Education, Vijayawada, Andhra Pradesh.
16. The Deputy Secretary to Chairperson, CBSE - for kind information of the Chairperson, CBSE.
17. All the Heads of Department of the Board.
18. Director, (Media & Public Relations), CBSE with a request for proper publicity.
19. All the Regional Directors/Regional Officers/Head-COEs, ACCPD- Rae Bareli, CBSE with the request to send this circular to all the Heads of the affiliated schools of the Board in their respective regions for compliance.
20. Prof. Amarendra P. Behera, Joint Director, CIET, NCERT, Delhi for kind information.



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