



iEduBull

COMPOSITE SKILLS LAB

The All-in-One Lab Shaping Future Innovators

A COMPLETE SOLUTION FOR SCHOOLS,
REQUIRING NO FINANCIAL INVESTMENT

**CBSE
COMPLIANT**

The Need for Composite Skills Labs

- STEM's Role in Child Development
- Global Success Through Upskilling
- Learning Loss Among Students
- AI Revolution Impact on Jobs


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)


 75
 आज़ादी का
 अमृत महोत्सव

CBSE/SE/JS/Skill Labs/2024 Dated: 23.08.2024
Circular No.: Skill-75/2024

The Principals/ Heads of Institutions affiliated to CBSE

Subject: Setting up of 'Composite Skill Labs' in CBSE schools

Dear Principal,

As you are aware that the National Education Policy (NEP) - 2020 and the National Curriculum Framework for School Education (NCF-SE), has focussed significantly on enhancing Skill Education, particularly for students in classes VI to X.

NCF-SE has also advocated the inclusion of skill subjects as an integral part of the curriculum by including it as a mandatory subject of study from class VI onwards. It stresses the importance of equipping students with practical skills alongside traditional academic subjects.

NCF-SE has emphasised that schools must provide opportunities for students to engage in real-world tasks and projects related to their chosen skills, thus bridging the gap between theory and practice. It has advocated the establishment of well-equipped skill labs and vocational training centers within schools. These facilities are crucial for providing the necessary resources and environment for effective skill development and practical, hands-on learning experiences.

However, it has been noticed that many schools currently lack the necessary facilities and equipments to provide effective hands-on training. The matter was discussed in the 139th meeting of the Governing Body of the Board and it was been mandated that all schools affiliated with the Board must establish a '**Composite Skill Lab**' alongwith all necessary equipments and machinery to effectively implement the recommendations of NEP and NCF-SE.

It is believed that setting up '**Composite Skill Labs**' will help in providing training on practical skills aligned with industry needs, enhance employment prospects for students in various trades and vocations, enable exploration of diverse career pathways beyond traditional options, and foster entrepreneurial capabilities among students.

Schools are advised to set up either one Composite Skill Lab of 600 sq. ft. area for classes VI-XII, or two separate labs of 400 sq. ft. area each, one for classes VI-X and the other for classes XI-XII.

Implementation Timeline:

- For the schools seeking **fresh affiliation** with CBSE, a Composite Skill Lab with all necessary equipments and machinery is a **mandatory requirement** for all schools seeking fresh affiliation with CBSE.
- Schools **already affiliated** with CBSE must establish a Composite Skill Lab with all necessary equipments and machinery, **within a period of three years** from the date of this circular.

Additional details regarding the setup of these labs, including necessary materials for teaching various skill subjects, will be available in the curriculum guidelines published on the CBSE website shortly.

Further, the schools that are already offering Skill subjects are advised to offer more choices to students by offering more Skill subjects. The schools that are still not offering any Skill subjects are advised to offer atleast one Skill subject to the students.

We appreciate your cooperation and commitment to enhancing skill education through this important initiative.


 (Dr. Biswajit Saha)
 Director (Skill Education)

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- Unemployment Among Graduates Despite Population Growth
- Government's Push for Skilling (NEP 2020)
- Outdated Education Methods
- Lack of Infrastructure and Skilled Instructors
- Lack of a One Roof Solution


CBSE circular for composite labs in every school issued in August 2024

Learning by Doing: The World is Embracing Composite Skills

65% of current students will work in jobs that don't exist yet by 2030



50% of organisations worldwide report using AI in daily operations



300 million people will require new skills in tech, social, and cognitive domains



By 2027, AI adoption will create millions of new tech-related jobs





iEdubull Composite Lab

The Ultimate Skills Lab, delivering unmatched value through cutting-edge tools, expert instructors, and advanced pedagogy—all under one roof.

1. INFRASTRUCTURE



- **40 cutting-edge computers**
- Featuring **ergonomic furniture**, and other fittings.
- **3D printers, smart panels, and AI wall panels.**

2. AI-HYBRID TEXTBOOKS



- For 1-8th Class, AI-powered Hybrid textbooks for **Math, Science, EVS.**
- Textbook for **English Grammar and Communication**
- Textbooks for **AI and Robotics**
- Textbook for **Coding**
- based on **NCERT, NEP 2020** and **NCF**
- Integrating **assessments, activities, and interactive tools** for enhanced learning outcomes.

3. ACADEMIC LAB **Science, EVS, Math, English**



- **bACEline Tests** to identify learning loss in students
- **Gap Analyzer™** to remedy learning gaps and continuous assessments
- IIT/JEE, NEET and Olympiads
- **EeeBee AI Buddy** Integrated

4. STEM TECH (AI + ROBOTICS) LAB



- Level-wise **AI/ML, Robotics, Python, and Scratch**
- **Curriculum for AI, Robotics and Coding**
- In-lab setup for **STEM exploration**
- **50+ Robotics Equipment**

5. SCIENCE EXPERIENTIAL LAB



- 90 working models
- Complements **classroom theory with experiential engagement.**
- **Hands-on learning** for an in-depth understanding of scientific principles

6. ENGLISH COMMUNICATION LAB



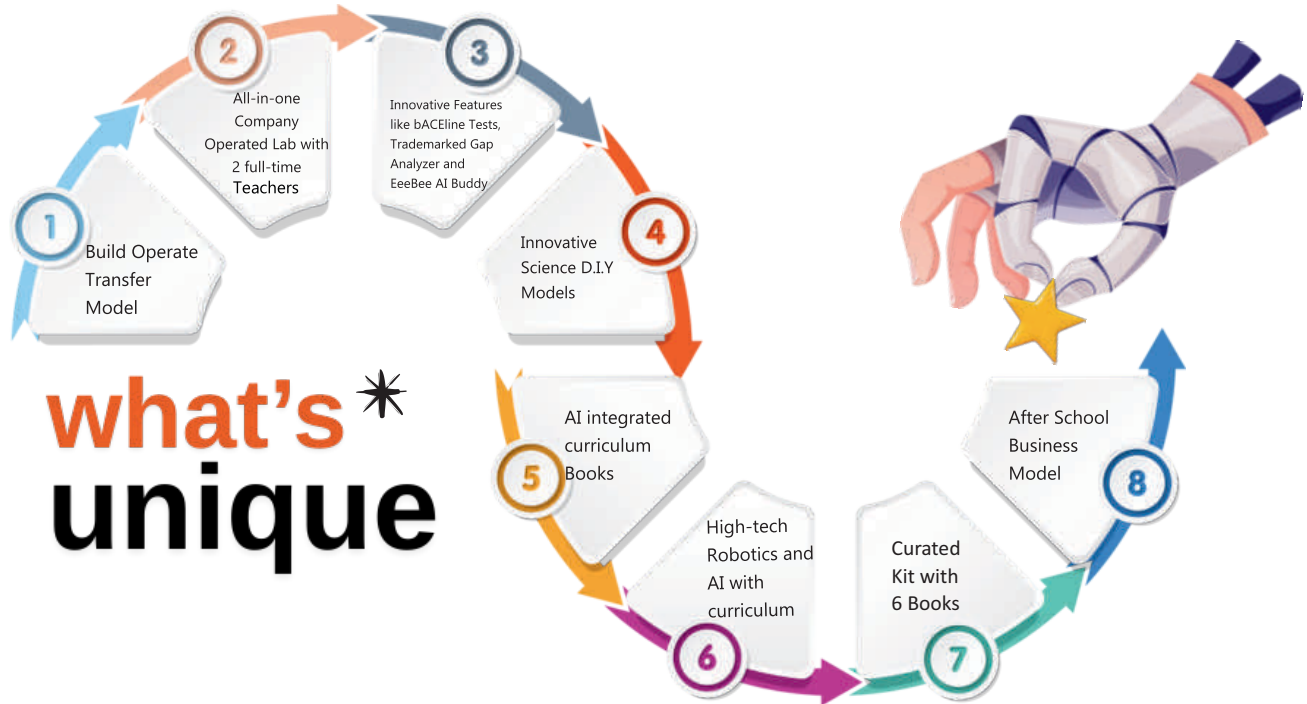
- LSRW (Listening, Speaking, Reading, Writing) **Pedagogy**
- **CEFR-based** learning ensures students meet international language standards.
- **Curriculum-integrated** and **AI-enabled for practical** communication proficiency

7. TWO ON-SITE EXPERT TEACHERS



- **Two highly trained**, expert teachers.
- In to offer **360° support.**
- ensuring **personalized attention** and continuous support for students and school.





Benefits For All Stakeholders



School

1. Enhances School Reputation & Status as Innovation Hub
2. One-stop solution - everything by one provider
3. Boosts Enrollment
4. Comprehensive Solution One Stop Solution
5. Improves Academic Results
6. Fulfills CBSE guidelines
7. Business model to earn more
8. Significant savings for schools



Students

1. Future-Ready Skills
2. Engaging Hands-On Learning
3. EeeBee AI Buddy for enhanced textbook learning
4. Personalized academic support for all mandatory subjects, in and after school, through Gap Analyzer™ (Academic Lab).
5. Boosts Confidence
6. Promotes Critical Thinking & Entrepreneurial spirit



Teachers

1. Saves time and effort significantly
2. Helps planning lessons and teaching
3. EeeBee AI Buddy for enhanced teaching experience
4. Eases Instructional Workload
5. Help in Assessments & Analysis for Daily Tasks
6. Lab Sets The Stage for Better STEM Learning/ Teaching
7. Access to Cutting-Edge Tech
8. Enriches Professional Growth



Parents

1. Increases Academic Visibility
2. Helps parents understand their child's strengths
3. Holistic Development
4. Builds Engagement with the School
5. Access to Top Resources
6. Assures Future Success

