

COMPOSITE SKILLS LAB

FROM CBSE REQUIREMENT
TO FUTURE-READY SKILL
ECOSYSTEM

A CBSE-aligned, AI-enabled,
turnkey solution for Classes VI-X

[Aligned to CBSE
Circular Skill-75/2024]

[NCF-SE 2023]

[NEP 2020]

CLASSTEACHER LEARNING SYSTEMS



THE FUTURE OF LEARNING
IS NOT ONLY DIGITAL.

**IT IS HANDS-ON.
IT IS CREATIVE.
IT IS TECHNOLOGICAL.
IT IS VOCATIONAL.
AND IT IS AI-ENABLED.**



The **Composite Skills Lab** brings these dimensions together in one learning ecosystem.

CBSE HAS MOVED SKILL EDUCATION INTO A NEW ERA



The Composite Skills Lab is designed as a multi-sector learning environment where students engage with productive work and develop practical skills across different domains.

ONE FRAMEWORK. THREE FORMS OF WORK.

WORKING WITH LIFE FORMS

Agriculture &
Gardening

Food
Production



WORKING WITH MACHINES & MATERIALS

Electronics /
Mechatronics

Robotics

Carpentry /
Woodwork

IT / ITeS

AVGC & Media



WORKING IN HUMAN SERVICES

Healthcare

Retail

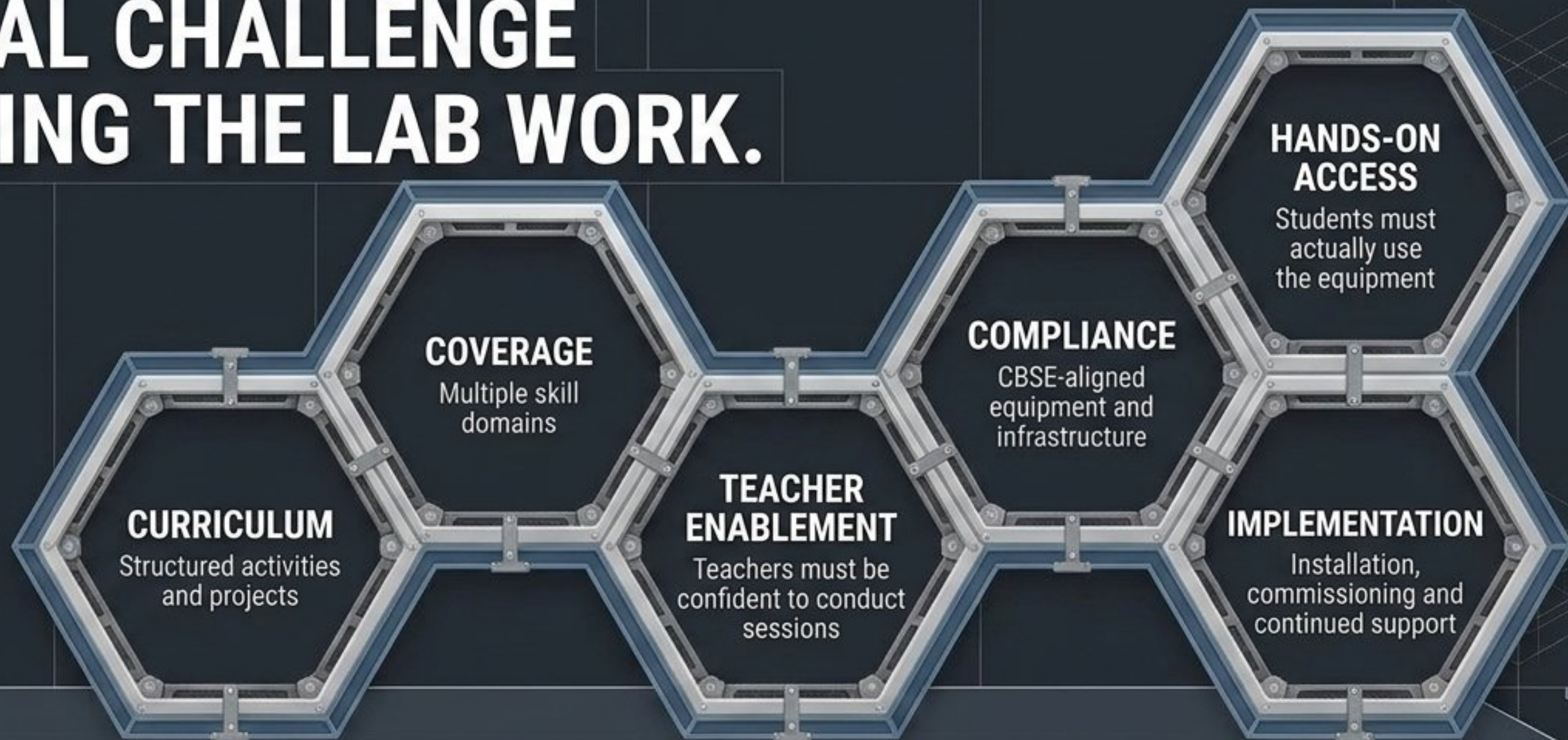
BFSI



PRODUCTIVE WORK → PRACTICAL SKILLS → REAL-WORLD APPLICATION

THE REAL CHALLENGE IS NOT BUYING EQUIPMENT.

THE REAL CHALLENGE IS MAKING THE LAB WORK.



A successful Composite Skills Lab is an ecosystem – not an inventory list.

FROM EXPOSURE TO PROGRESSIVE SKILL DEVELOPMENT

PREMIER: Graded curriculum +
progressive projects + hands-on learning

CLASSES VI-VIII (The Middle Stage)

Focus: Exposure to Three
Forms of Work

Metric: 3 projects per grade
(1 project from each Form of Work)



CLASSES IX-X (The Secondary Stage)

Focus: Specialisation and Depth
Metric: Six vocations (2 from
each Form of Work) across
two years



AI IS NOT AN ADD-ON TO THE LAB.

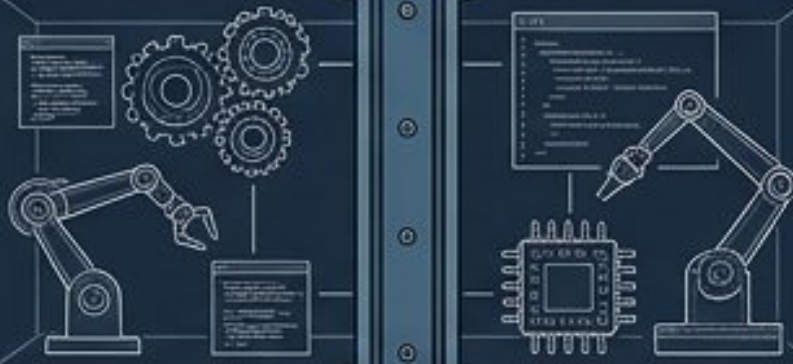
AI IS THE CROSS-CUTTING CAPABILITY.

LIFE FORMS



AI in Agriculture

MACHINES & MATERIALS



AI in Coding • Mechatronics • Robotics

HUMAN SERVICES



AI in Healthcare • Finance • Retail

AI ENGINE

INTRODUCING

DESIGNED TO GO BEYOND THE COMPLIANCE BASELINE



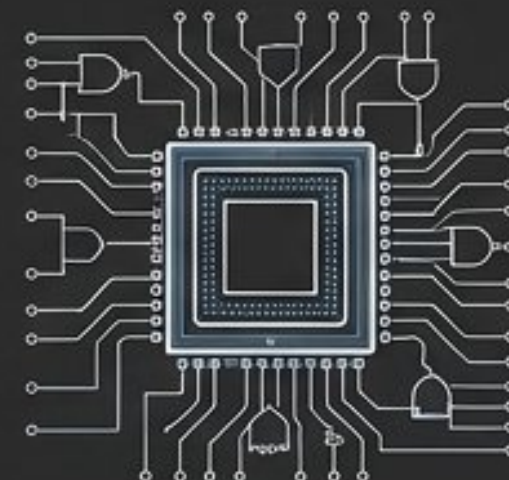
DEPTH

More meaningful hands-on capability calibrated for deep engagement.



COVERAGE

Agriculture + Robotics + Electronics
+ Carpentry + AVGC + 3D Printing +
Healthcare + Retail + BFSI.

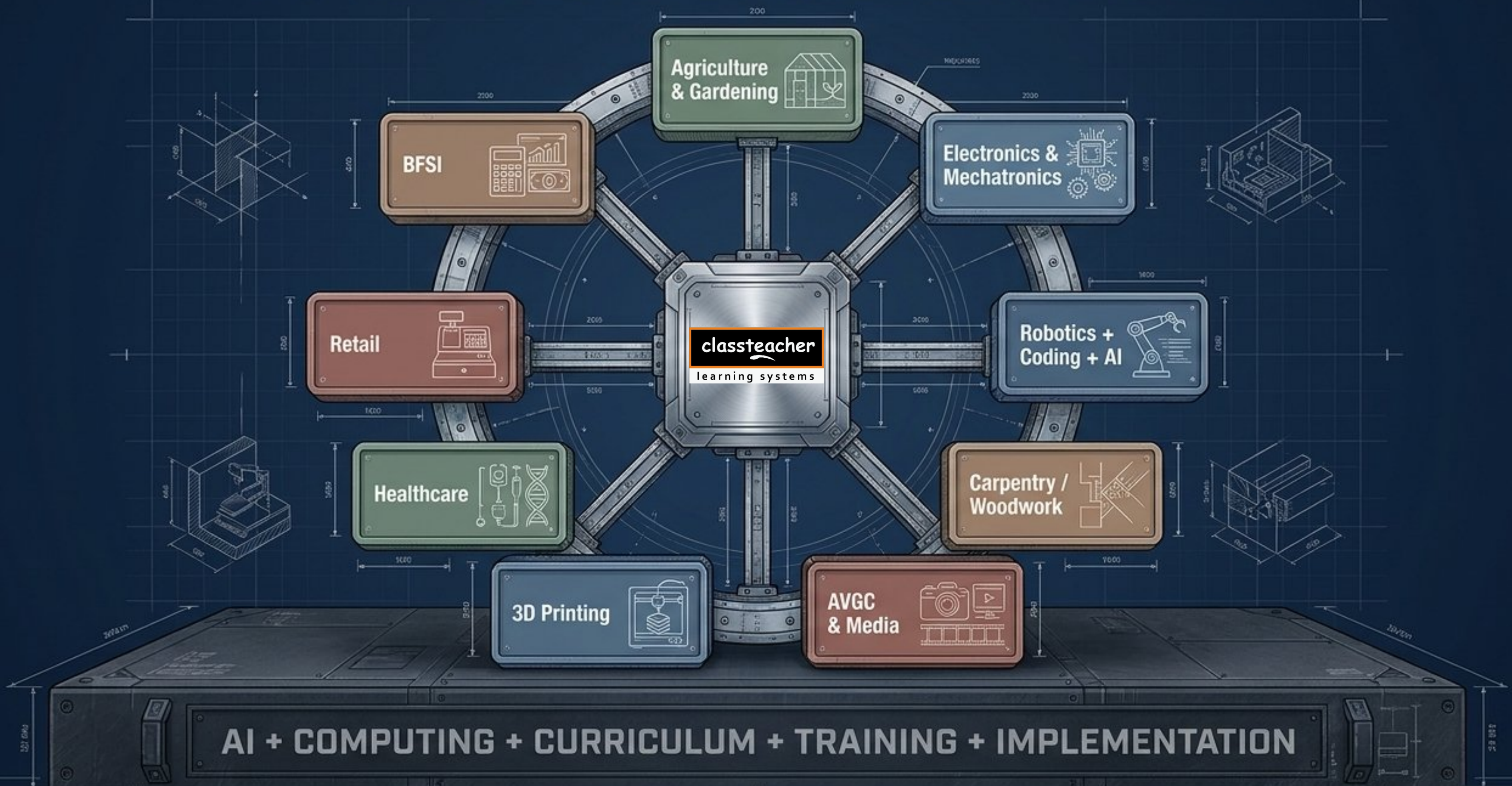


AI

On-premise AI infrastructure
integrated across the
entire ecosystem.

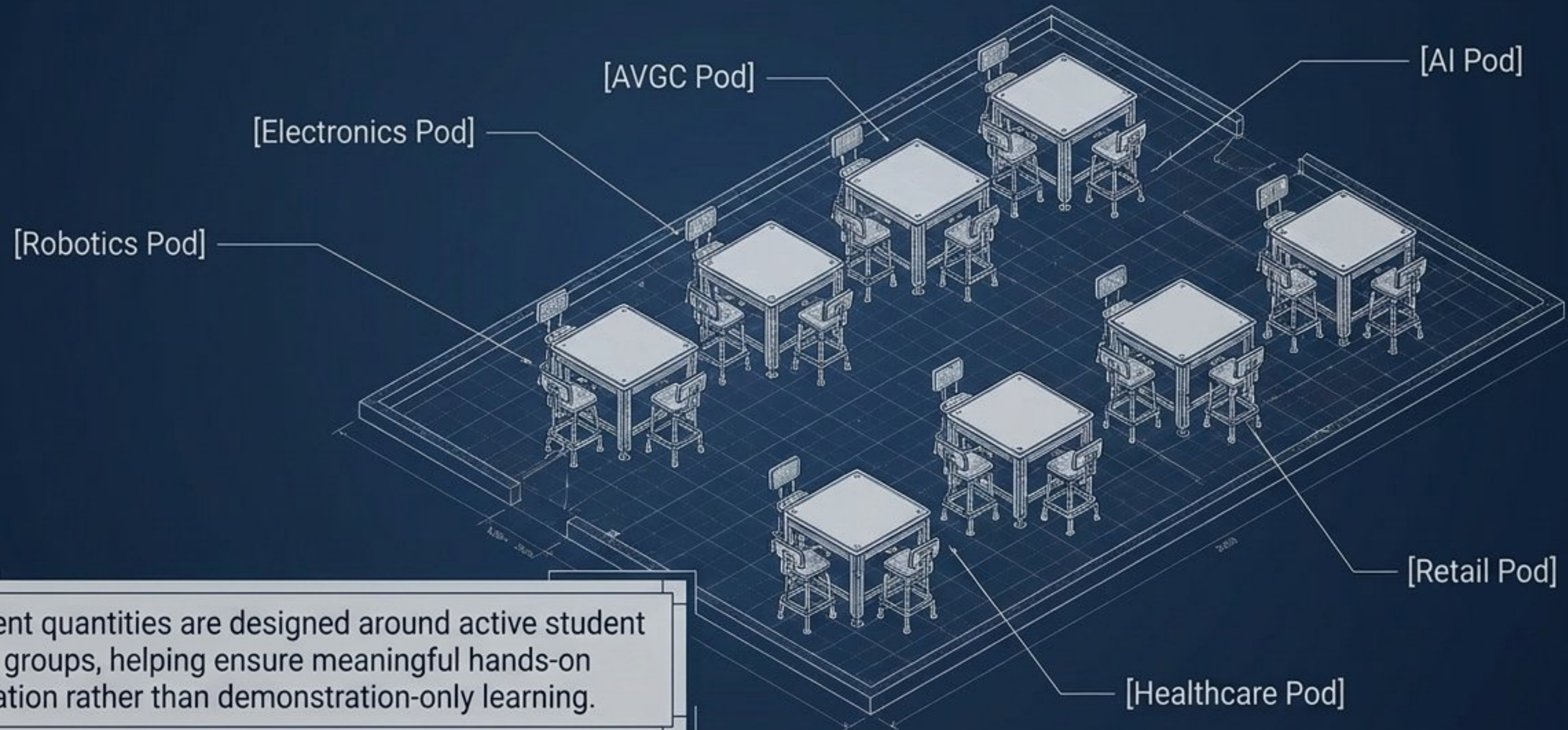
Premier is not designed merely to satisfy the minimum. It is designed to make the lab genuinely usable, scalable and future-ready.

ONE LAB. MULTIPLE SKILL ECOSYSTEMS.

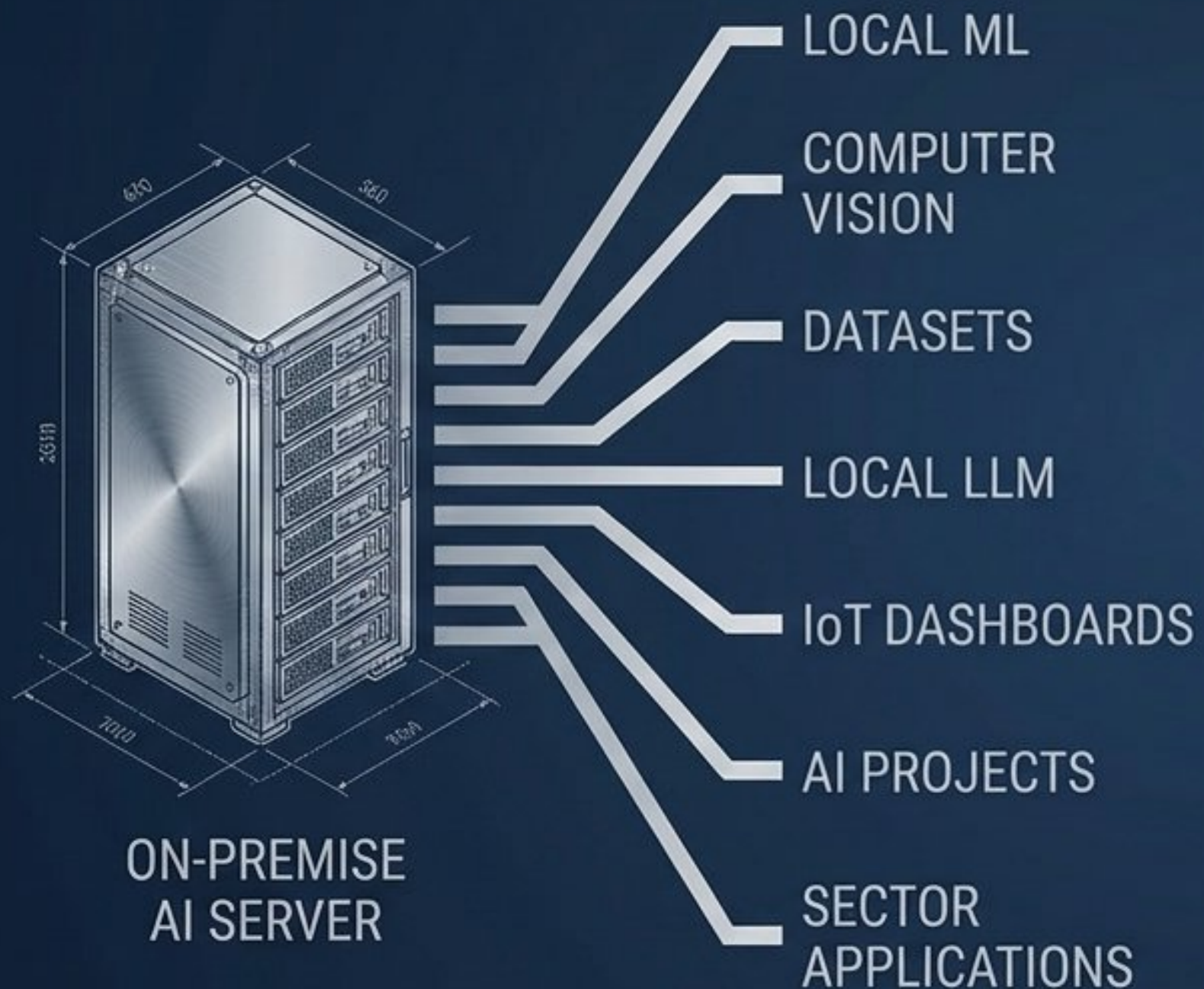


A LAB WHERE STUDENTS DO — NOT JUST WATCH

40 STUDENTS → **10** WORKING GROUPS → **4** STUDENTS PER GROUP



THE AI SERVER CHANGES WHAT THE LAB CAN DO



2560		442
CLOUD-ONLY APPROACH	PREMIER APPROACH	
Internet dependency	Local capability	
Public-cloud data dependency	Data stays on premises	
Usage / quota constraints	Controlled school environment	3851
Limited classroom concurrency	Designed for classroom projects	
AI as demonstration	AI as project infrastructure	2403
2730	2900	

AI BECOMES REAL WHEN STUDENTS CAN APPLY IT

AGRICULTURE

Smart irrigation | Plant disease classification | Farm-data dashboards



HEALTHCARE

Vitals analysis | EMG interfaces | Health dashboards



ROBOTICS

AI Vision | Classifier training | Autonomous behaviour



RETAIL

Product recognition | Footfall analytics | Demand forecasting



FROM “LEARNING ABOUT AI” → TO “BUILDING WITH AI”

DESIGNED AROUND THE CBSE FRAMEWORK

CBSE FRAMEWORK

Three Forms of Work

Stage-wise Projects

AI Infrastructure

Skill-specific Tool Lists

Infrastructure & Space

Implementation

PREMIER ENHANCEMENT

Agriculture / Gardening + Electronics /
Mechatronics + Carpentry

IT / ITeS + AVGC

Healthcare + Retail + BFSI

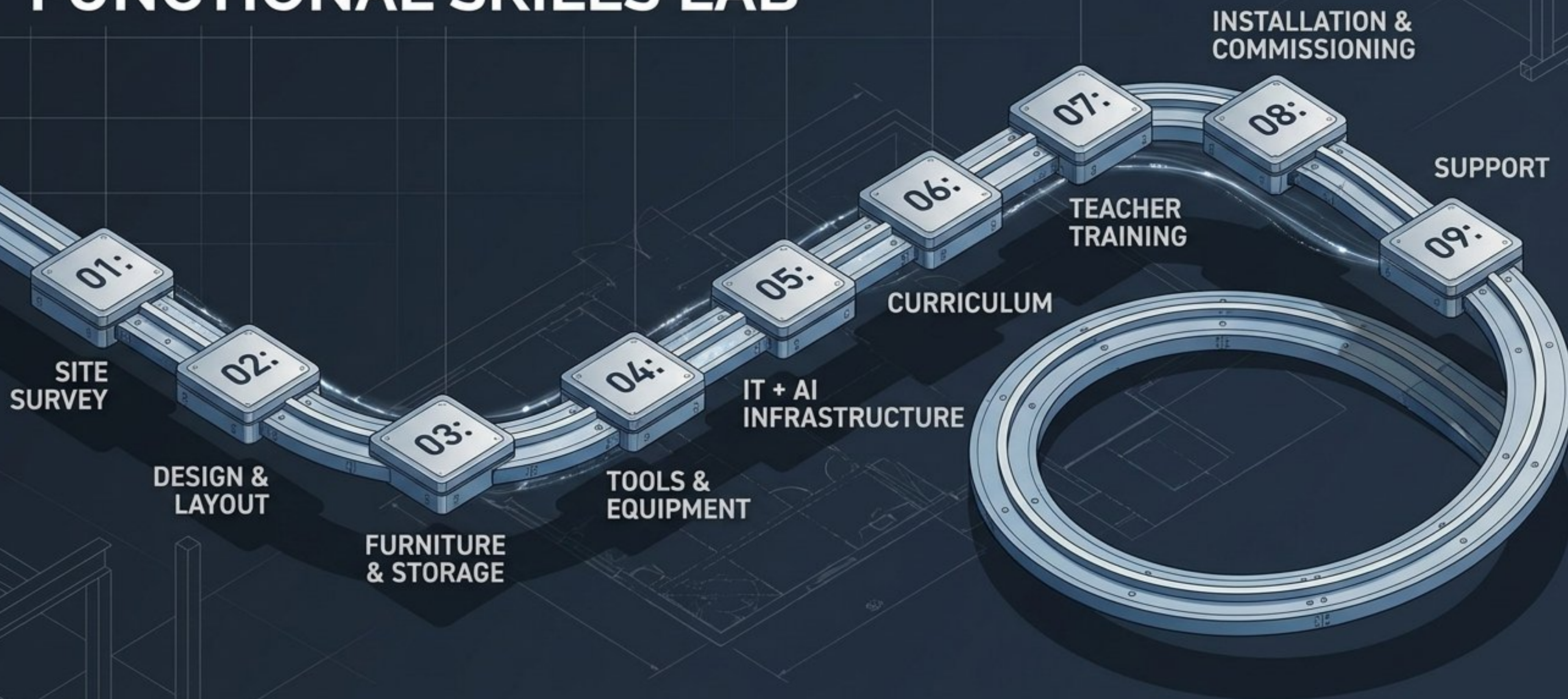
On-premise AI Server Infrastructure

Graded Curriculum + Higher Hands-on Density

Turnkey Implementation + Training

Every major component is deliberately mapped to the Composite Skills Lab framework — not assembled as a generic “21st-century skills” package.

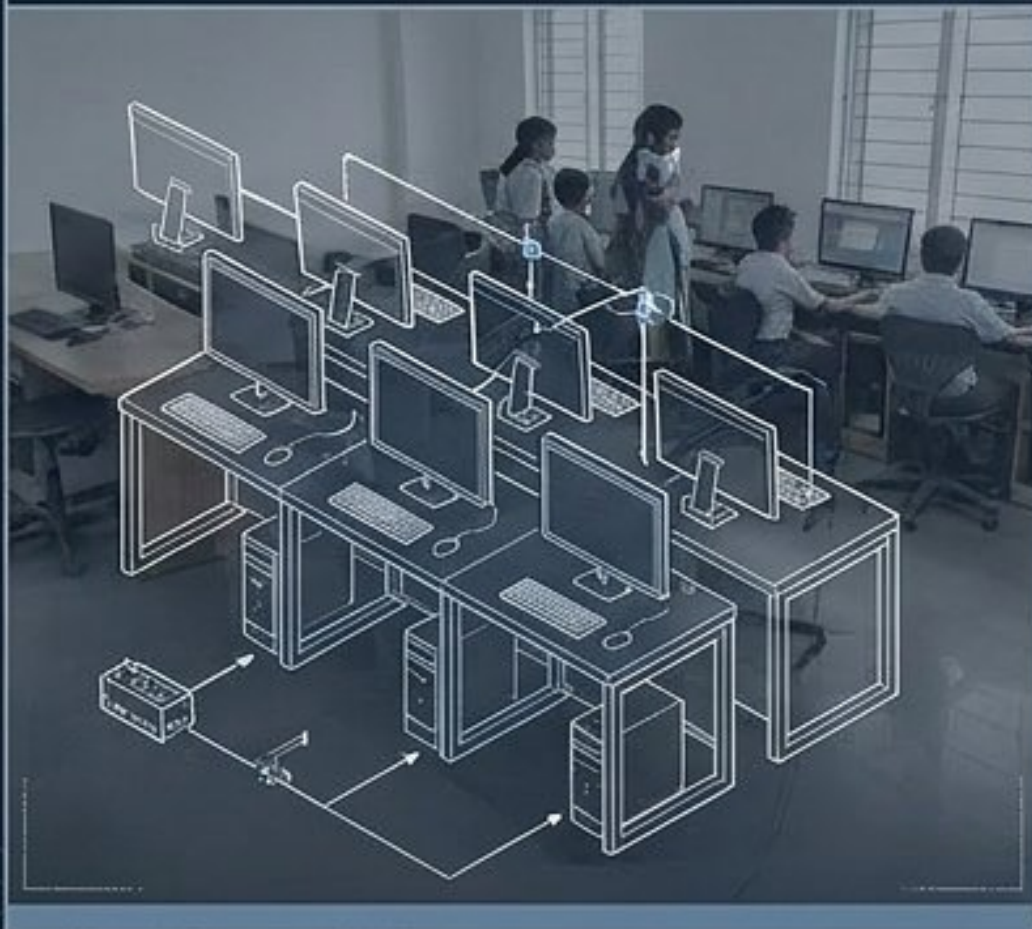
FROM EMPTY ROOM TO FUNCTIONAL SKILLS LAB



SMART IMPLEMENTATION ALSO MEANS AVOIDING DUPLICATION

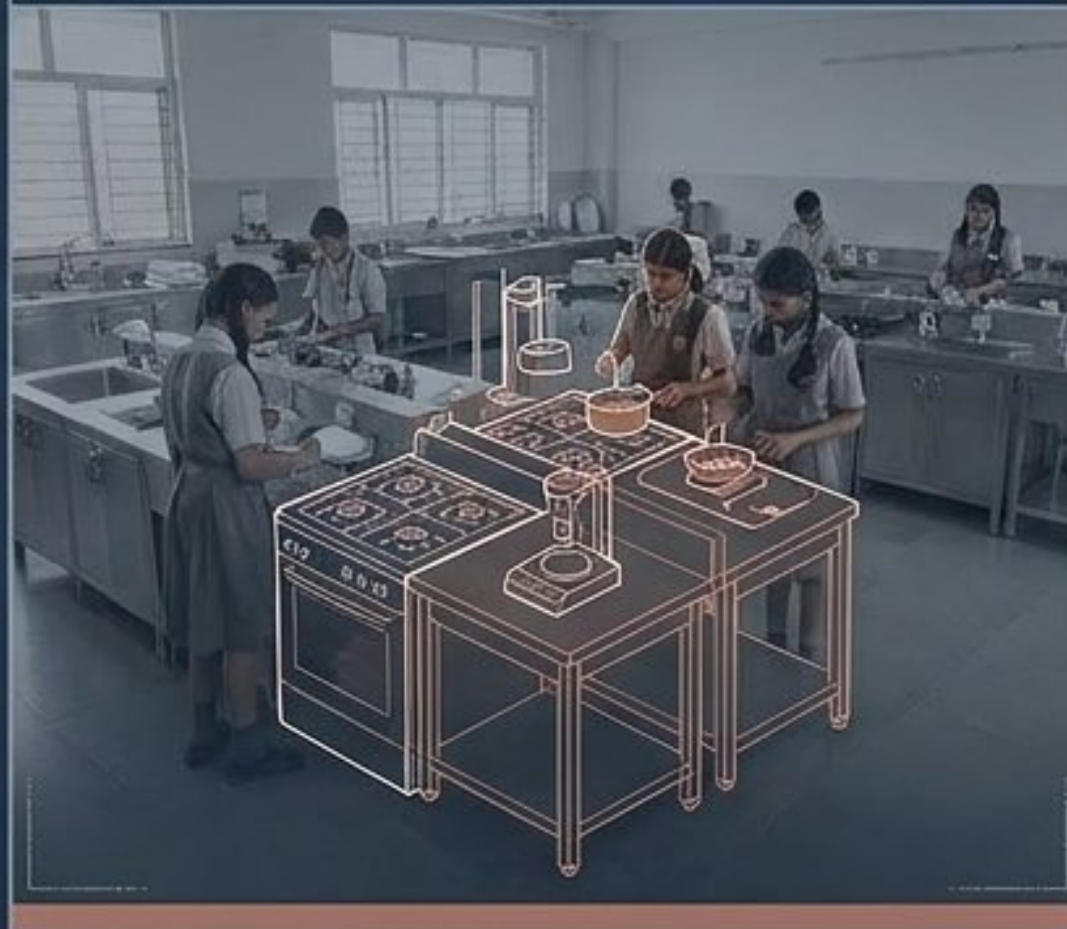
EXISTING IT LAB

Can be leveraged for IT/ITeS and BFSI where requirements are met.



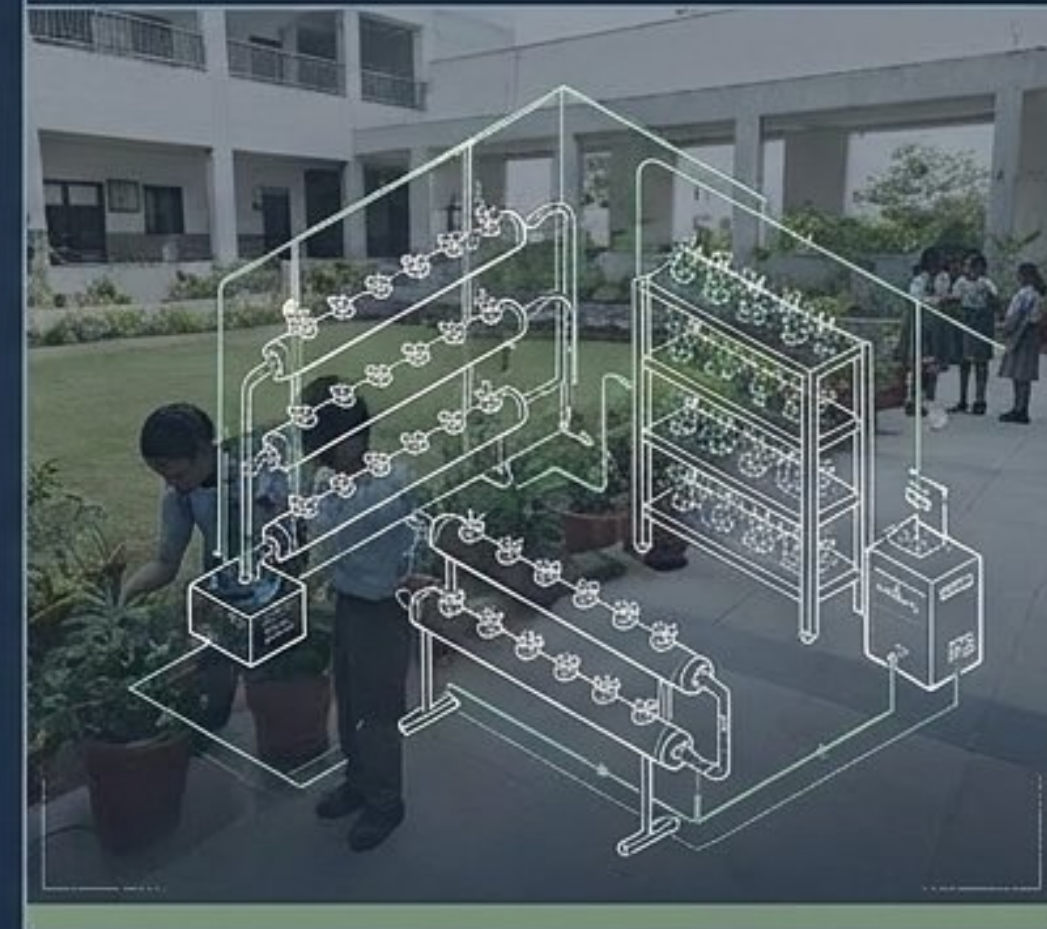
HOME SCIENCE / KITCHEN

Can support Food Production facilities.



EXISTING SCHOOL SPACES

Can support relevant activities such as Agriculture & Gardening.



Premier integrates with the school's existing ecosystem wherever the CBSE framework permits — helping avoid unnecessary duplication.

WHY CLASSTEACHER?



25+ YEARS

Education
Technology
Experience

→ Lower
implementation risk



500+ LABS

Robotics / STEM
/ Tinkering
implementations

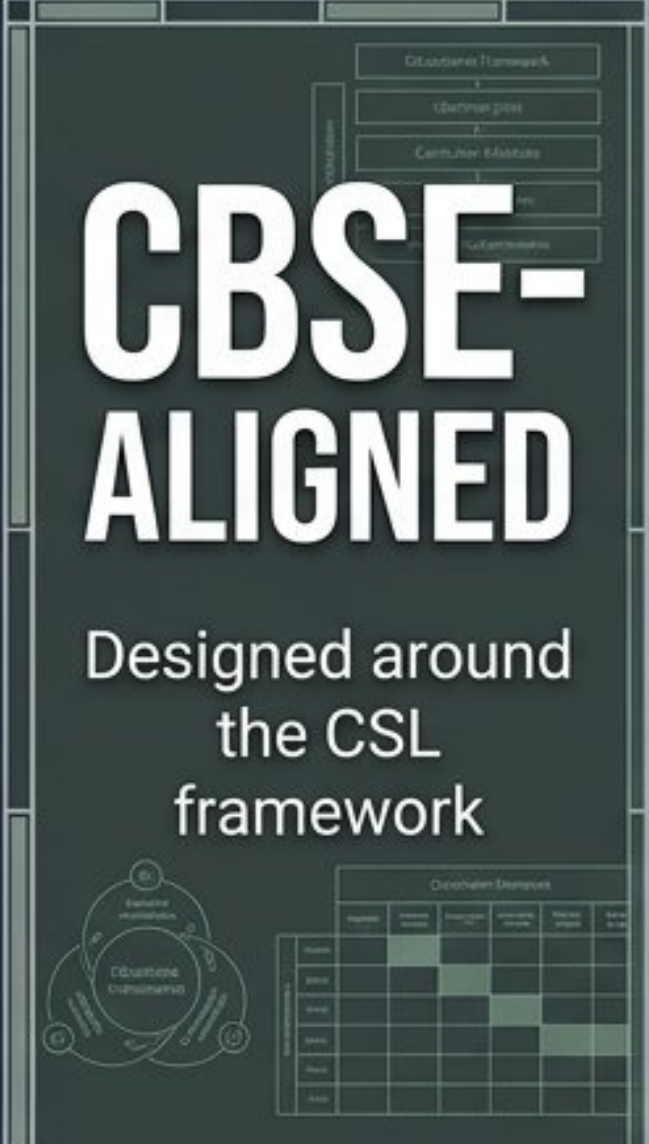
→ Proven spatial and
pedagogical design



ONE PARTNER

Single-vendor
turnkey delivery

→ Lower coordination
burden



CBSE- ALIGNED

Designed around
the CSL
framework

→ Greater compliance
confidence



END- TO-END

Design → Equip →
Train → Launch
→ Support

→ Guaranteed
continuity

OUR COMMITMENT DOESN'T END AT INSTALLATION



SITE SURVEY:

At no obligation.



SINGLE-PO DELIVERY:

One contract. One delivery schedule.
One accountability point.



DAY-1 READINESS:

Critical infrastructure included
in the solution.



TEACHER ENABLEMENT:

Training + Virtual Master Trainer
LMS + curriculum handover.



YEAR-1 SUPPORT:

Telephonic + on-call + scheduled
review support.



**THE QUESTION IS NO LONGER WHETHER YOUR
SCHOOL NEEDS A COMPOSITE SKILLS LAB.
THE QUESTION IS HOW WELL YOU WANT IT IMPLEMENTED.**

classteacher
learning systems

CBSE-ALIGNED + AI-ENABLED + HANDS-ON + TURNKEY + IMPLEMENTATION-READY

LET'S DESIGN YOUR SCHOOL'S SKILL ECOSYSTEM.

- Request a Presentation
- Request a Complimentary Site Survey
- Discuss Your School's Requirements

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