

Where Future Researchers Are Nurtured

If Innovation is the Goal, Problem Solving Must Be the Curriculum. A K–12 STEM education framework that turns classrooms into Concept Labs, and students into confident problem solvers, researchers and innovators.

10,000+	1,500+	5,000+	100%
Open-ended problems	Global-standard apparatus	Scientific experiments	Board outcome

THE PBL-TDLE FRAMEWORK

Our original K–12 teaching–learning innovation

PBL-TDLE stands for **Problem-Based Learning** through **Teaching by Demonstrations** and **Learning by Experiments**. It is an original framework conceived, engineered and proven by THECREATOR Education — moving classrooms from content delivery to genuine problem solving.

Concept Labs	Modified classrooms with several hundred globally standardised apparatus and 5,000+ research-designed experiments. Every subtopic is taught through demonstration, investigation and experimental verification.
CoPE-App	A cloud-based AI academic engine housing Concepts, Problems, Experiments and Apparatus — driving daily lesson planning, cohort-level conceptual diagnostics and real-time formative assessment.
IDEA Pedagogy	A continuous pedagogical loop — Identification, Development, Execution, Assessment — ensuring learning is continuously assessed, corrected and strengthened in real time.

Traditional teaching vs PBL-TDLE

Dimension	Traditional classroom	PBL-TDLE classroom
Primary activity	Content delivery, note-taking	Problem solving with apparatus
Concept learning	Read and memorise	Investigate, measure, verify
Assessment	Periodic exams	Continuous formative, per concept
Teacher role	Explainer	Demonstrator + research mentor
Student output	Recall answers	Verified concepts + applied solutions

OUTCOMES

Results that prove the framework

- 100% board outcome, consistent cohort performance year on year
- 3 × perfect 100 in two consecutive years
- 10 years of consecutive gold in international olympiads
- Two international olympiad top ranks (Rank 1)
- World-university admissions: UK, US, EU, Australia, India

PARTNERSHIP OPTIONS FOR SCHOOLS

Bring PBL-TDLE to your school

Concept Lab Setup	Turnkey Concept Lab installation with global-standard apparatus, teacher training and curriculum-aligned experiment library.
CoPE-App Licensing	Cloud subscription to the CoPE-App — Concepts, Problems, Experiments and Apparatus — including cohort diagnostics and formative assessment.
End-to-End Framework	Full PBL-TDLE implementation: lab, app, teacher training, ongoing academic mentorship, and NTP access for high-potential students.

A typical implementation roadmap

Weeks 1–2 — Diagnostic visit, cohort assessment via CoPE-App, gap analysis.

Weeks 3–6 — Concept Lab setup + teacher onboarding on IDEA pedagogy.

Weeks 7–12 — Live PBL-TDLE cycles begin; weekly academic reviews.

Term 2+ — Formative dashboards, olympiad tracks, NTP mentorship.

Talk to us

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This is a placeholder partnership brochure — final PDF, imagery and detailed commercials will be shared on request.