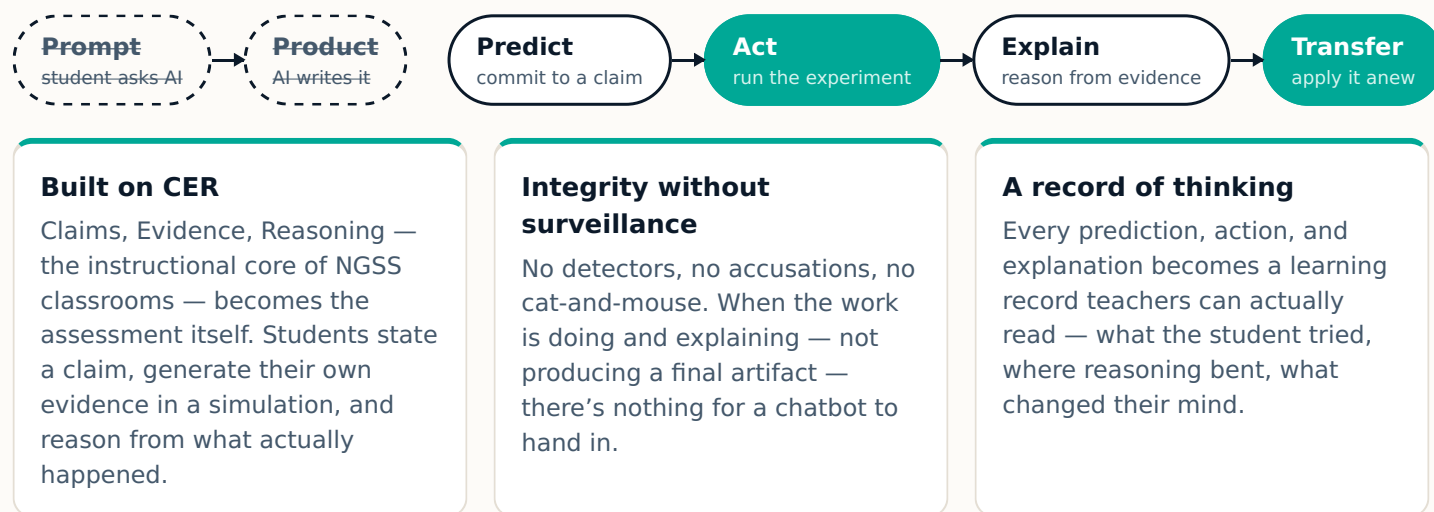
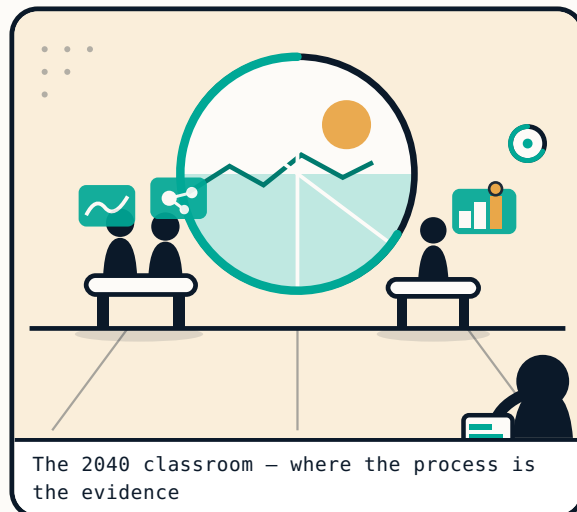


Assessment that *AI can't do for you.*

Districts are spending on AI detection while students spend on evasion — an arms race where nobody learns anything. There's a third path: assignments where the **process is the evidence**, so using AI to skip the thinking simply doesn't work.



In your classroom

- ▶ Convert an AI-vulnerable assignment into a process-based simulation task
- ▶ Students predict before they act — the commitment AI can't make for them
- ▶ Teachers see reasoning quality, not just answer correctness

evidence_record: predict → act → explain → transfer · every step logged · reasoning visible

CER-ALIGNED

NGSS

MULTILINGUAL-LEARNER READY

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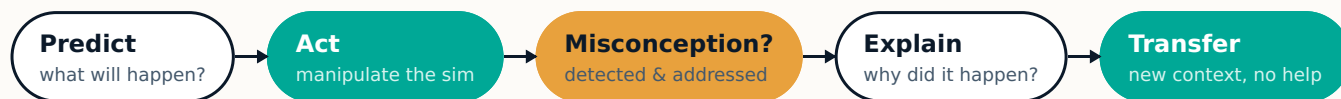
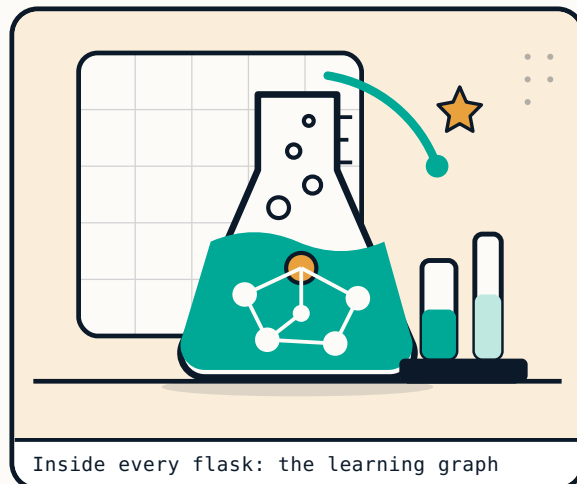
Kumar Srivastava, Founder · hello@quantumlearningmachines.com
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AI in the Classroom · v1.0 · July 2026

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play.quantumlearningmachines.com/developer

LabPath: every concept becomes a lab.

Simulation-based STEM where students learn by predicting, experimenting, and explaining — with an AI guide that detects **misconceptions**, not just wrong answers, and knows the difference between a slip and a misunderstanding.



Misconception-aware

Built on a research-cited ontology of 423 documented student misconceptions across physics, biology, chemistry, math, and CS — each with a diagnostic question and a teacher intervention.

Socratic, not answer-giving

The AI guide asks before it tells, gives space for productive struggle, and steps back when a student is working well on their own.

Teacher visibility

Teachers see which misconceptions surfaced, for whom, and what to try next — evidence for intervention, not another dashboard of scores.

In your classroom — and after school

- ▶ NGSS-mapped simulations assignable by grade band and standard
- ▶ Fits class time or after-school and expanded-learning programs
- ▶ Designed for multilingual learners: reasoning shown, not just stated

open data: 423 misconceptions · learning graph · NGSS alignment — all CC-BY-4.0, one API

NGSS-ALIGNED

CER PRACTICE

EXPANDED-LEARNING READY

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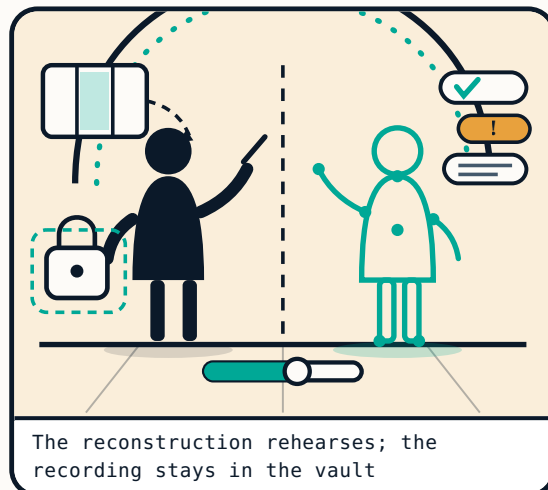
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TeachProof: a *practice field* for teaching.

Athletes get film review and reps. Teachers get one observation a year. TeachProof gives every teacher both — replay any lesson with coaching on every interaction, then **practice the hard moments** with AI-avatar students before the real ones.



Research-cited coaching

Feedback grounded in the discourse literature — questioning patterns, wait time, revoicing, talk ratio, and the student ideas that almost surfaced — aligned to established observation frameworks.

Privacy by architecture

Lessons replay as avatar reconstructions. The original recording never leaves the vault — coaching happens on the reconstruction, not the footage.

Practice before performance

Rehearse a tough discussion, a misconception-heavy topic, or a new routine with simulated students — low stakes, unlimited reps, immediate feedback.

For your PD networks

- ▶ New-teacher induction: reps on classroom moments before the classroom
- ▶ Coaching programs: shared replays make coaching conversations concrete
- ▶ Upload paths for any format — transcript, audio, video captions, or paste

the recording never leaves the vault · coaching happens on the reconstruction · teacher-owned data

PD-READY

FRAMEWORK-ALIGNED

TEACHER-OWNED DATA

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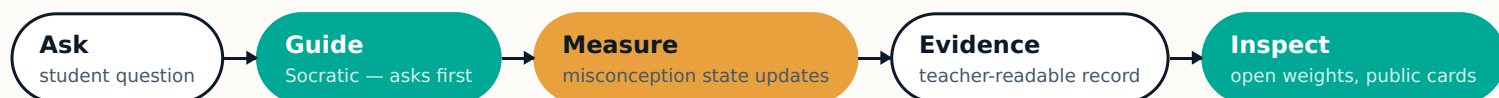
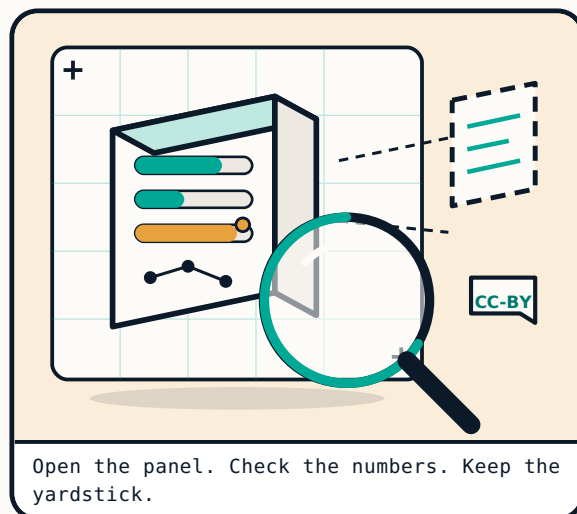
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An AI tutor you can *actually inspect*.

Most AI tutors are black boxes sold on demos. Ours is **open and measurable**: the model weights are public, the evaluation data is public, and the tutoring is built on a measurement layer that tracks what each student actually understands — so your team can verify instead of trust.



Open by design

The tutoring model is openly licensed and downloadable — along with the evaluation classifiers and model cards that lead with limitations, not marketing. What it can't do is documented next to what it can.

Measurement underneath

Not a chatbot with a curriculum: a state layer tracks misconceptions and depth of understanding across every interaction — and knows the difference between a slip and a misunderstanding.

A yardstick you can keep

Our 423-construct misconception ontology is open (CC-BY-4.0) and built to double as an evaluation benchmark — a vendor-neutral yardstick your team can hold up to any AI tutor, including ours.

For districts asking “how do we evaluate AI tutors?”

- ▶ Inspect the actual model and its documented limitations — not a demo reel
- ▶ Use the open ontology as a common benchmark across vendors
- ▶ Ask every vendor for what we publish by default: cards, caveats, and data

[open weights](#) · [limitations-first model cards](#) · [open benchmark data](#) · huggingface.co/QuantumLearningMachines

OPEN-WEIGHTS

SOCRATIC BY DESIGN

MISCONCEPTION-AWARE

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