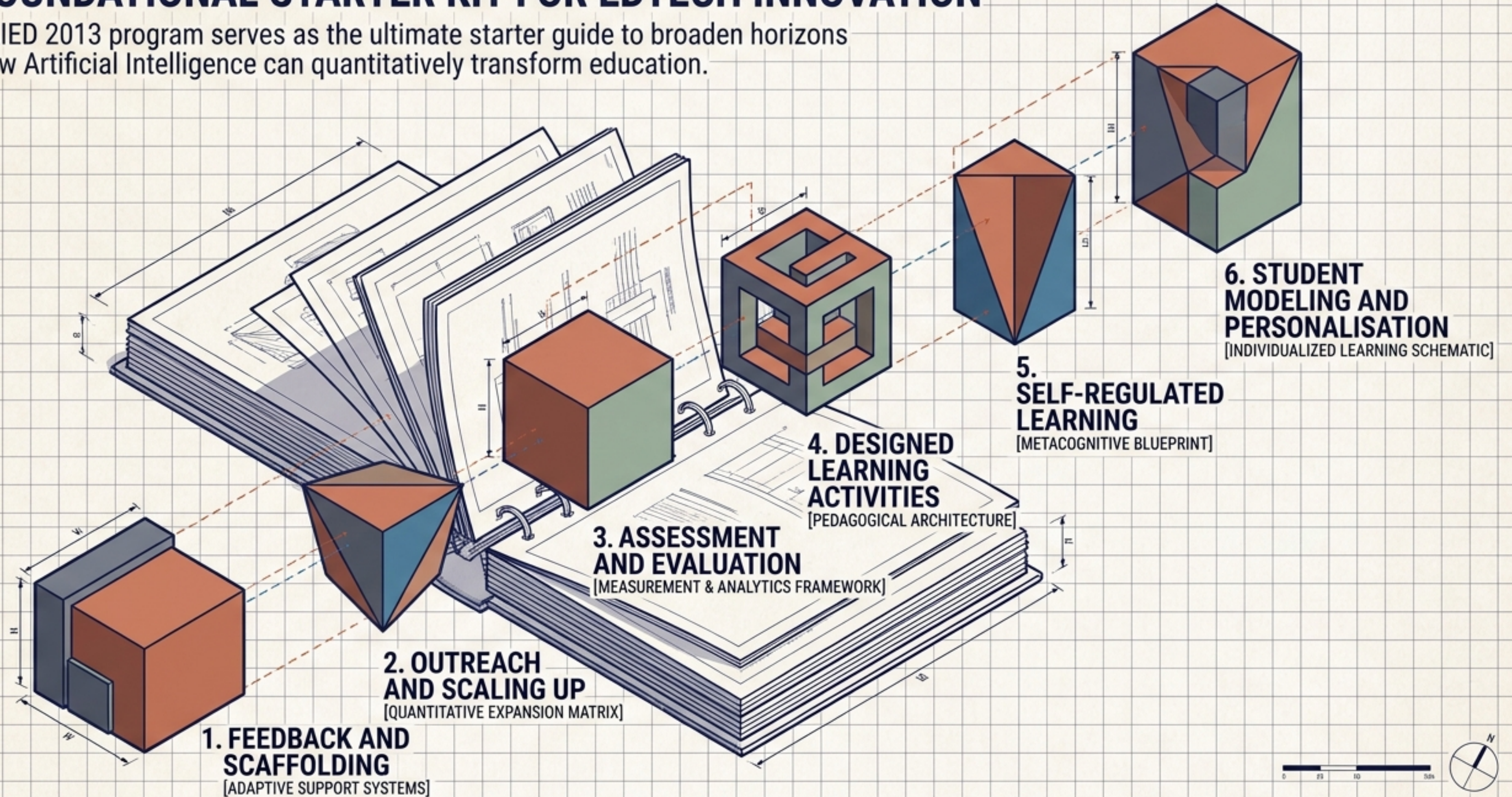


A FOUNDATIONAL STARTER KIT FOR EDTECH INNOVATION

The AIED 2013 program serves as the ultimate starter guide to broaden horizons on how Artificial Intelligence can quantitatively transform education.



Structuring the AIED Ecosystem

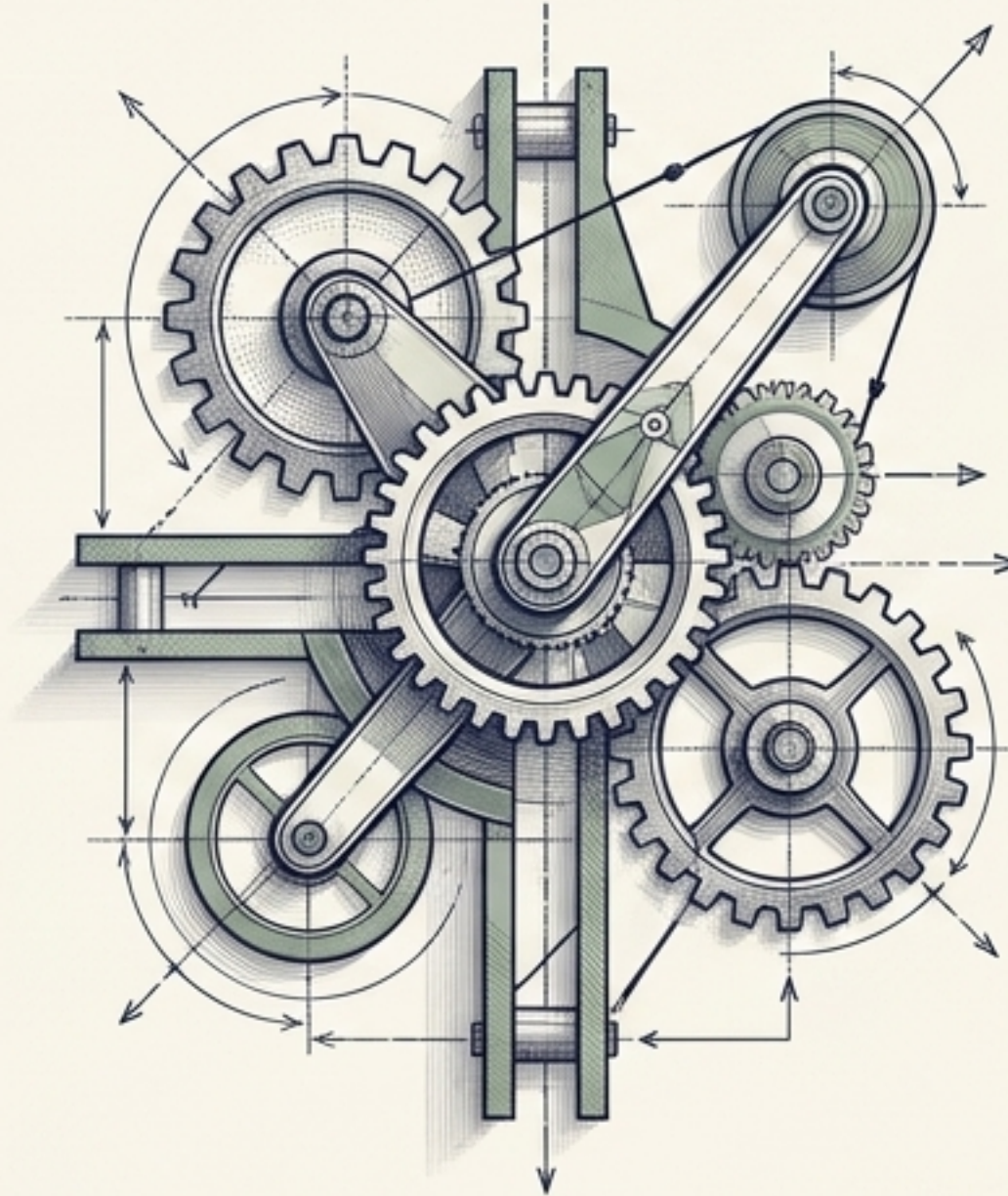
The Learner (Who)

Student Modeling & Personalisation
Self-Regulated Learning



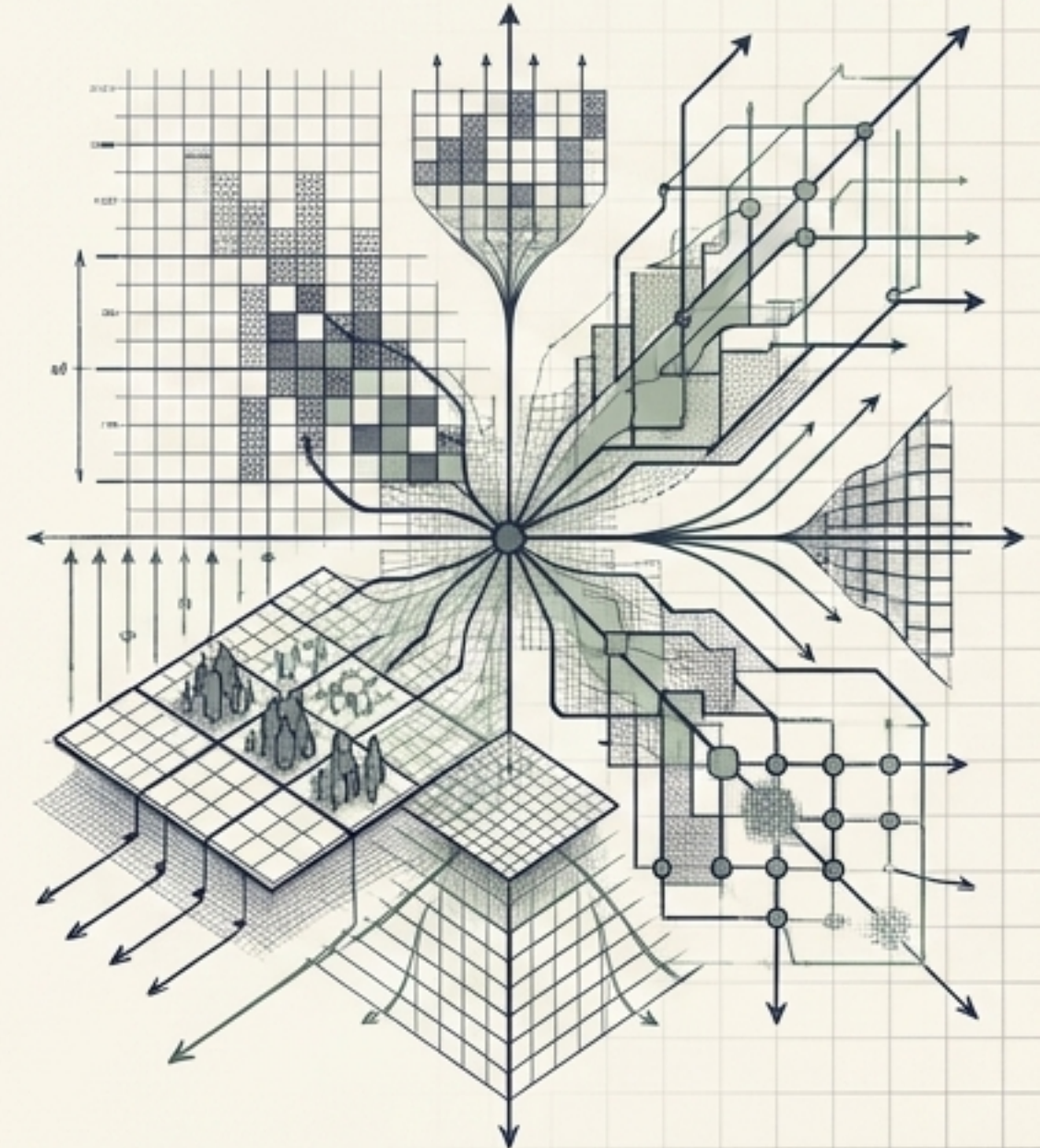
The Intervention (How)

Designed Learning Activities
Feedback & Scaffolding



The System (Scale)

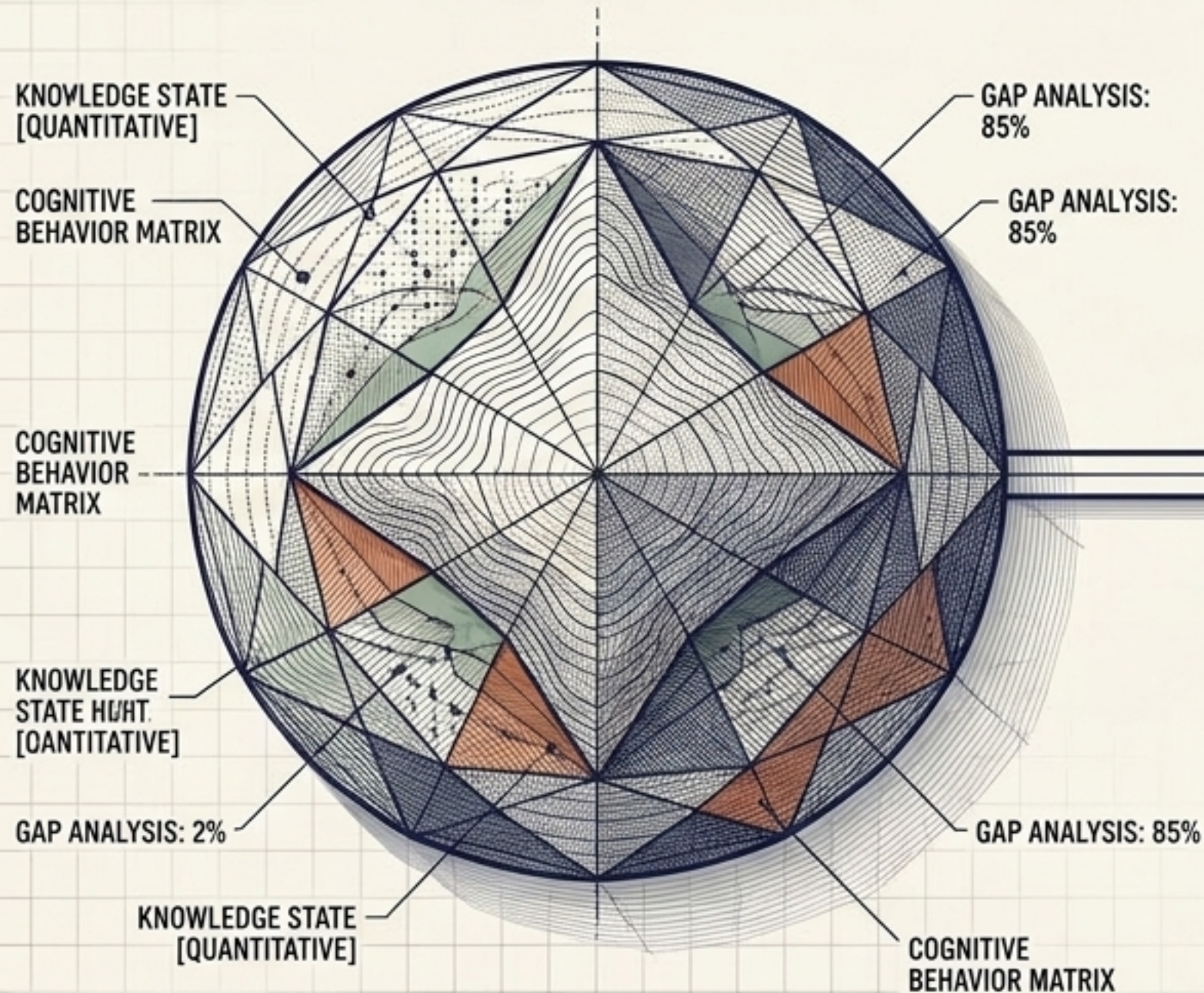
Assessment & Evaluation
Outreach & Scaling Up



MAPPING THE INDIVIDUAL LEARNER

STUDENT MODELING & PERSONALISATION

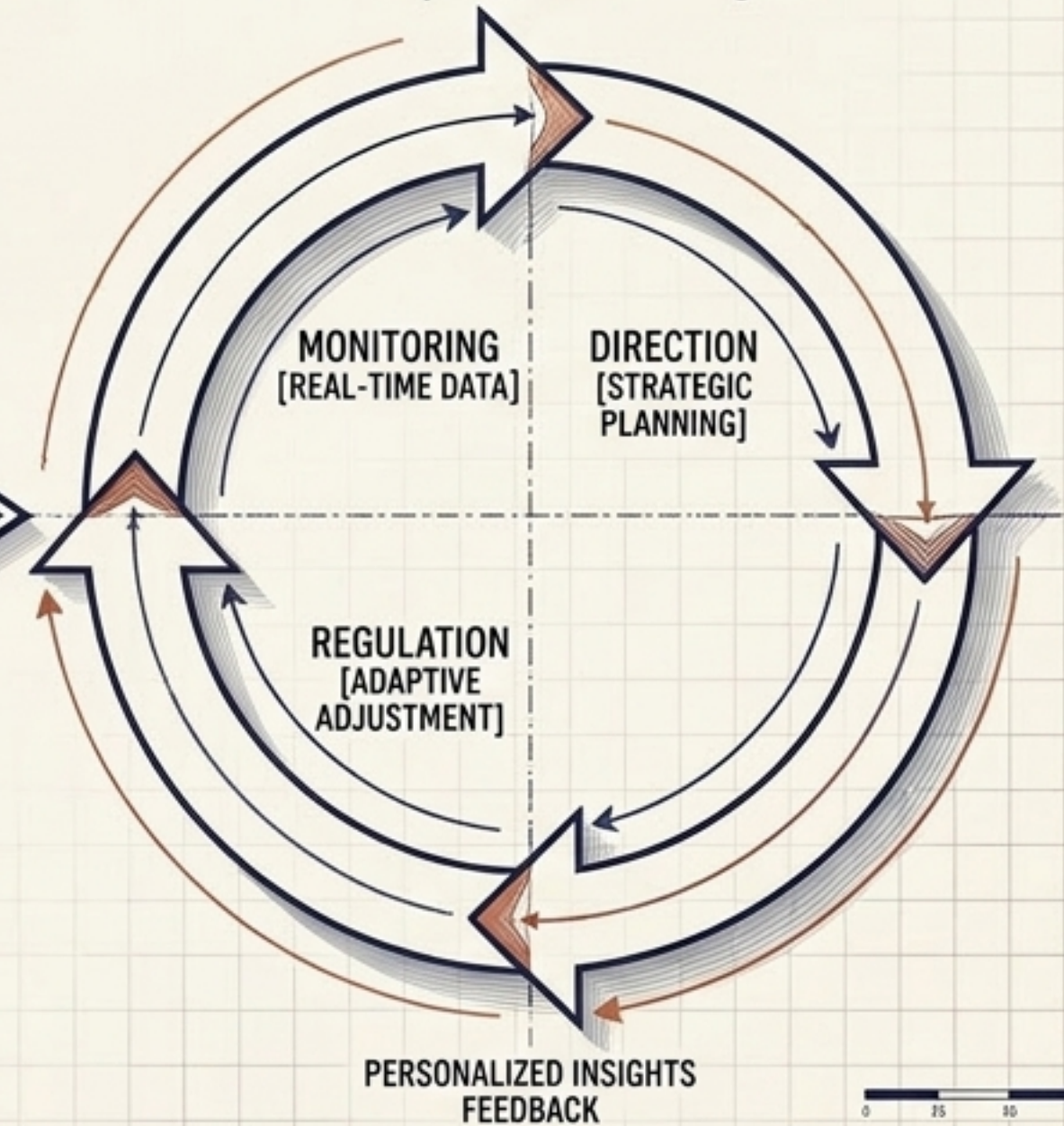
The foundation of AIED. Building complex, individualized quantitative models of a learner's current state, knowledge gaps, and cognitive behaviors.



Student Profile

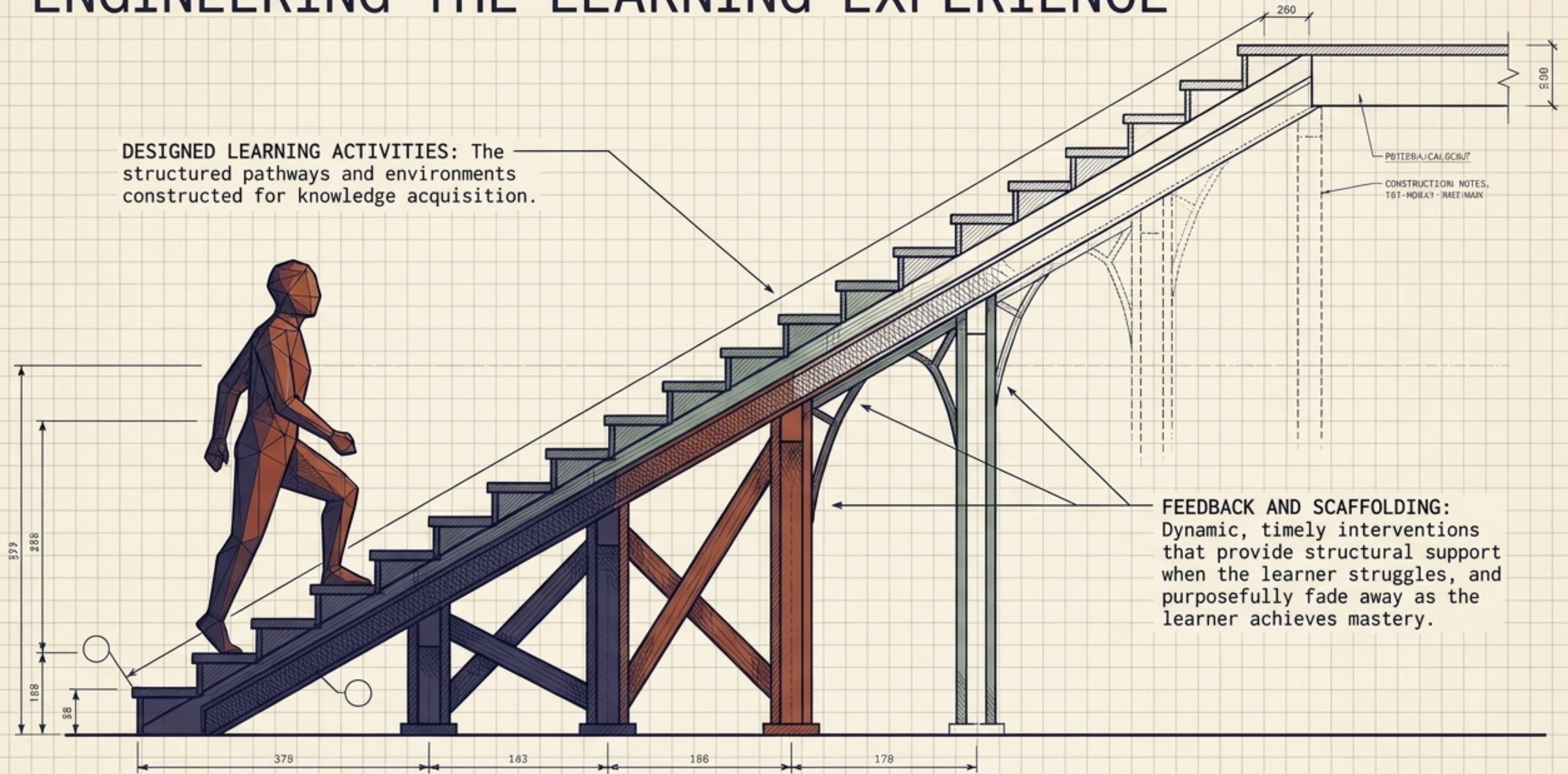
SELF-REGULATED LEARNING

The ultimate goal of the micro-system. Empowering the modeled student to monitor, direct, and regulate their own learning trajectory based on personalized insights.



ENGINEERING THE LEARNING EXPERIENCE

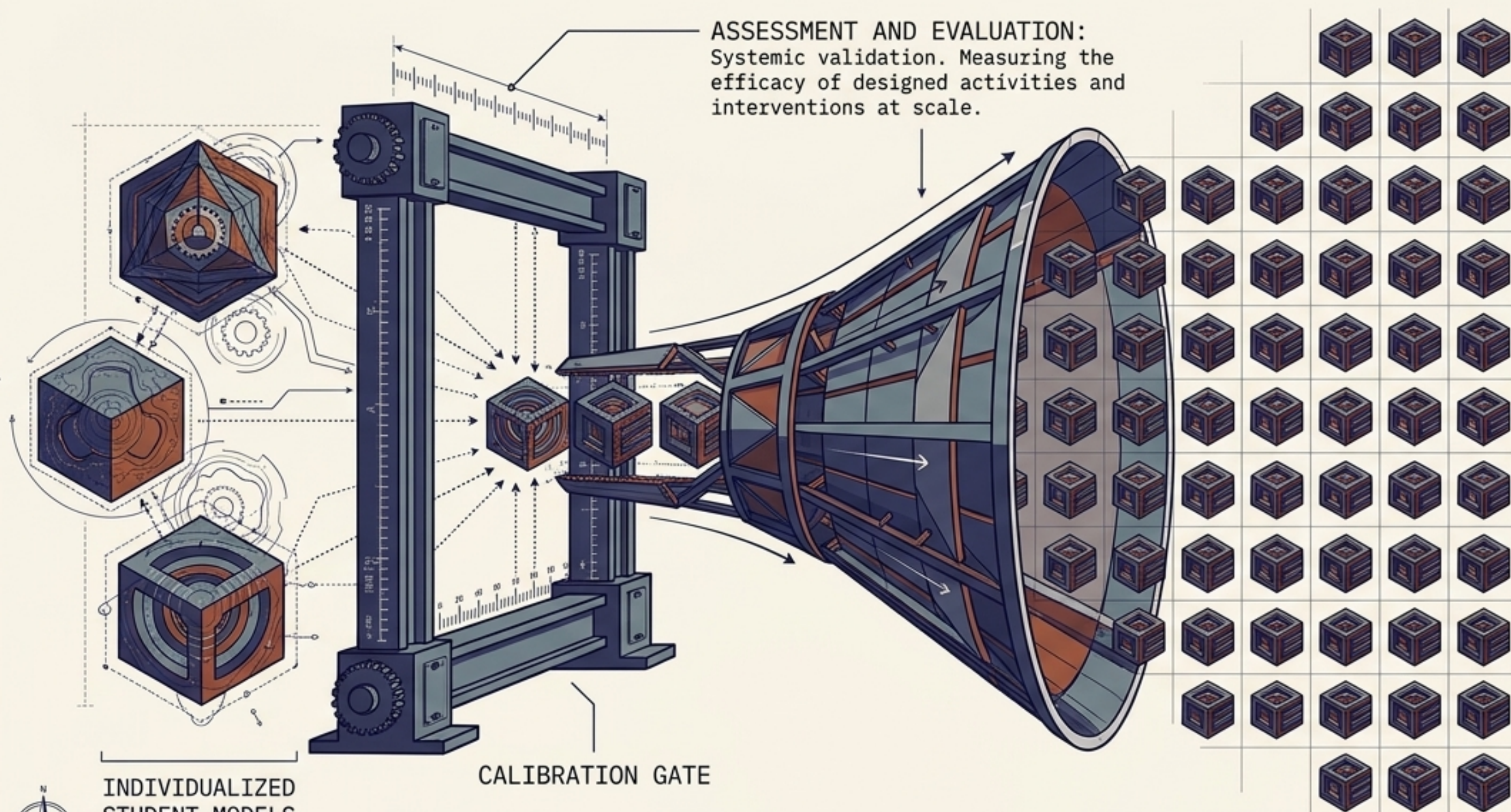
DESIGNED LEARNING ACTIVITIES: The structured pathways and environments constructed for knowledge acquisition.



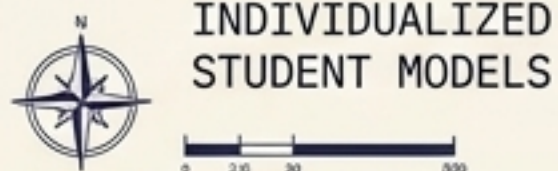
EXPANDING IMPACT ACROSS POPULATIONS



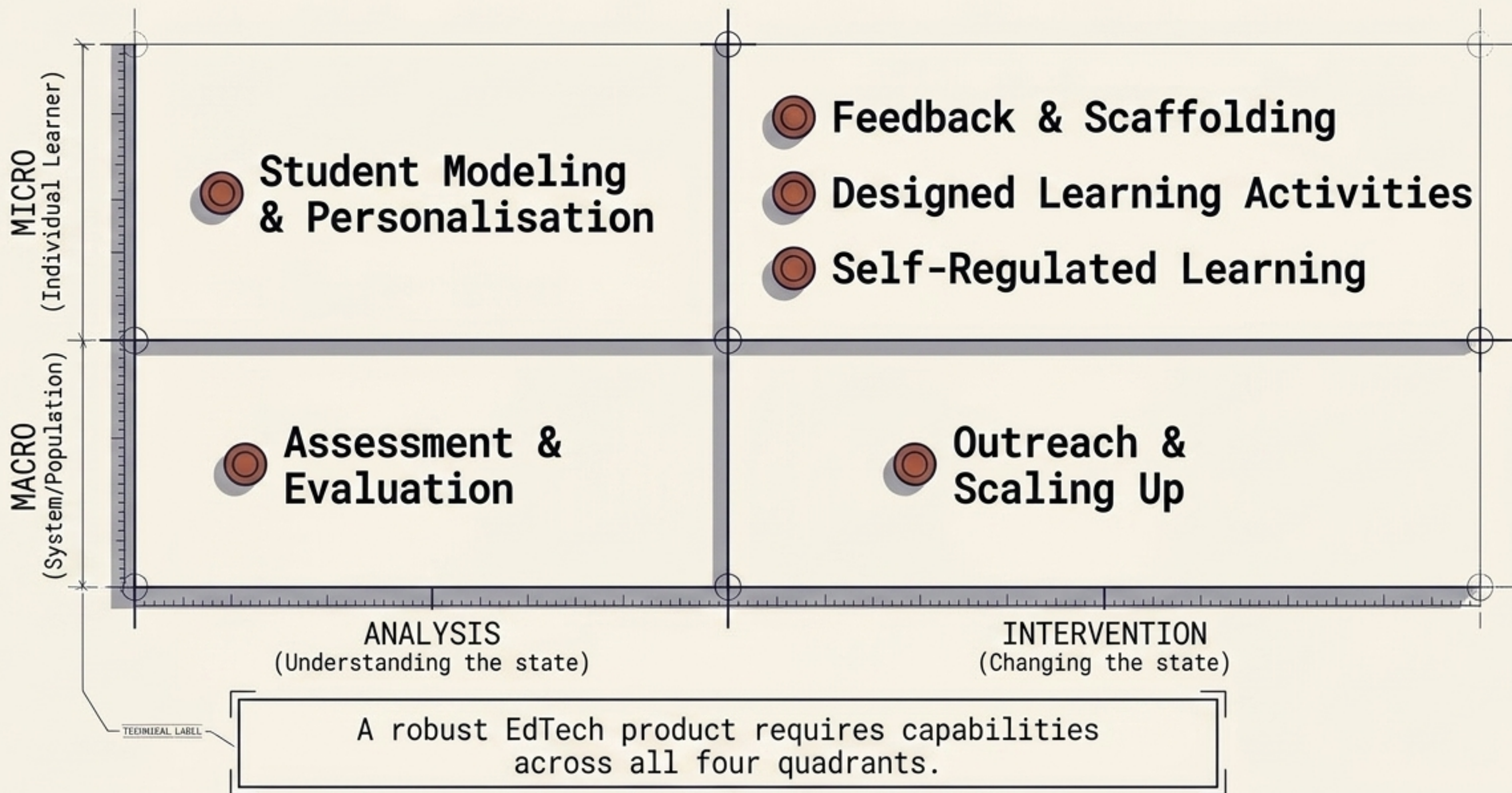
ASSESSMENT AND EVALUATION:
Systemic validation. Measuring the
efficacy of designed activities and
interventions at scale.



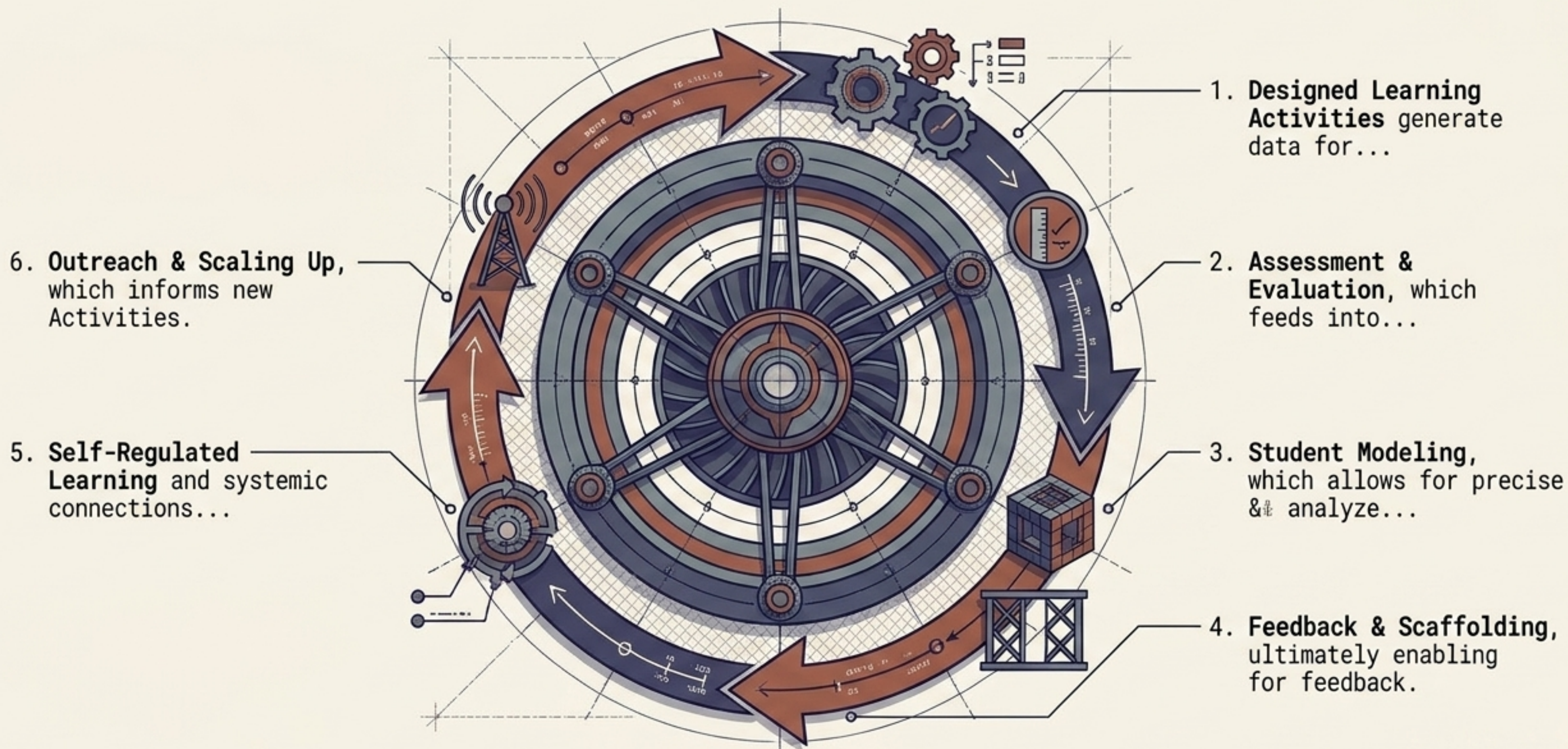
OUTREACH AND
SCALING UP:
Taking micro-successes
and compressing them into
deployable, systemic
models to impact broader
educational
ecosystems.



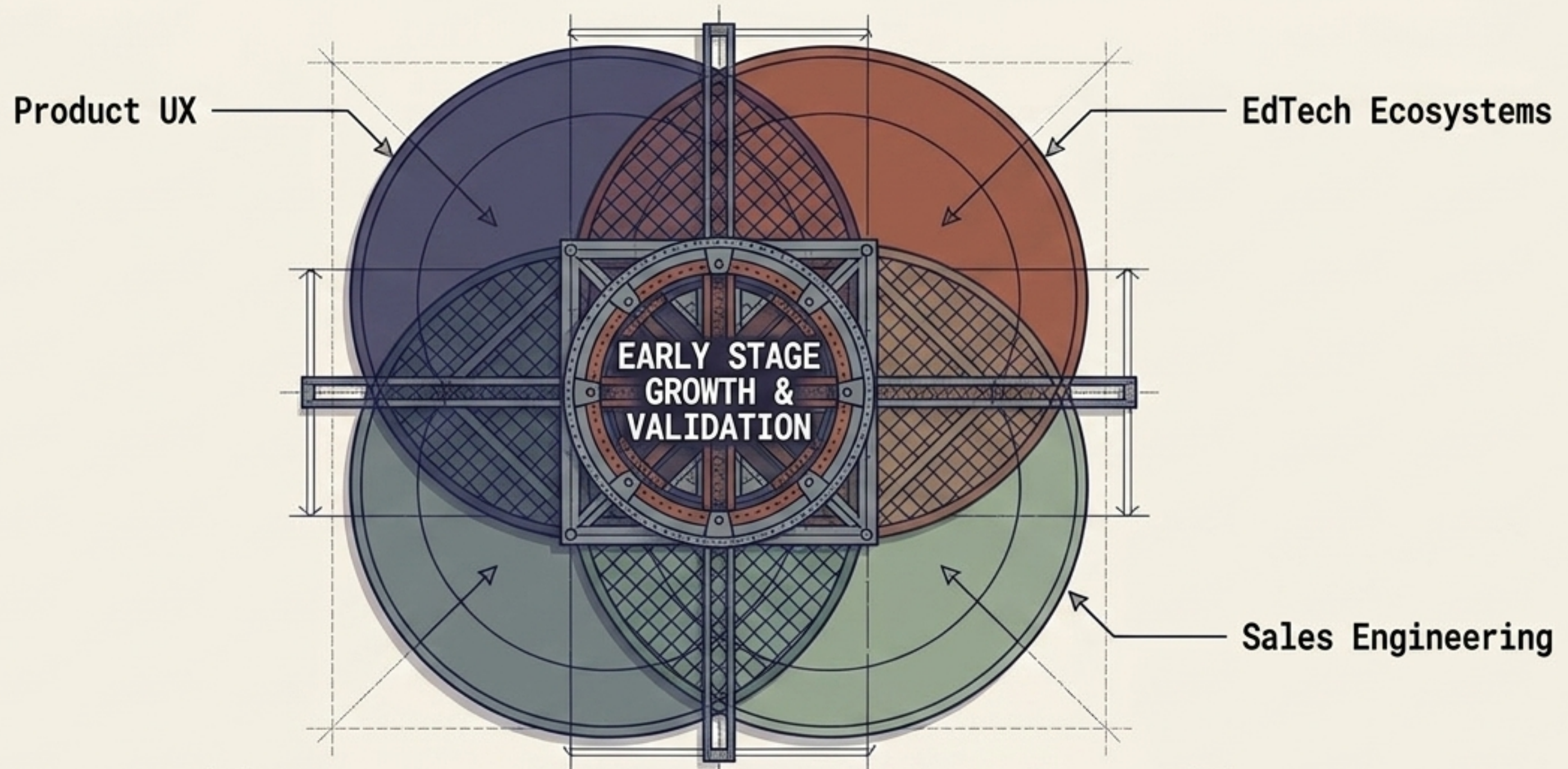
EVALUATING SYSTEMS WITH THE CAPABILITY MATRIX



THE EDTECH CONTINUOUS INNOVATION LOOP



BRIDGING RESEARCH WITH GO-TO-MARKET REALITY



Translating quantitative possibilities into functional products requires operating at the exact intersection of user experience, systemic education theory, and technical sales engineering.