

OKO

About our project

Piloted in a NY and a GA school, we integrated Math Narrative recommendations into OKO's AI facilitation for small group collaborative math activities in order to elevate student agency, acknowledge emotions, affirm the value of mistakes, encourage help-seeking, and reframe struggle.



Visit our website to learn more!



Check out OKO in action!

Top learnings about impact

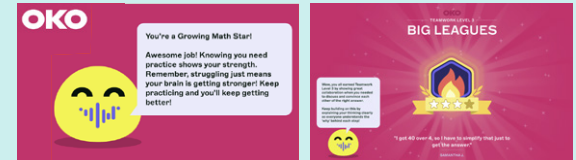


The most effective messaging focused on normalizing mistakes and encouraging help-seeking, shifting students from a “fixed mindset” of avoidance to a “growth mindset” of engagement.

- **Beliefs:** We saw a 22% increase in students believing they could fix errors with effort, alongside a 12% rise in the belief that asking questions is valuable.
- **Behaviors:** Student actions aligned with these belief gains. On OKO, Questions Per Minute rose steadily, and Collaboration Scores shifted from “Needs Intervention” (passive) to “Needs Guidance” (active).
- **Resilience:** We saw a “proficiency bounce-back.” When difficulty spiked, scores recovered rather than flatlining, confirming that messaging built the agency to persist through struggle.
- **Product Loop:** Crucially, this willingness to talk (Agency) fueled our product. It gave the AI the data it needed to provide accurate coaching, making the platform more impactful for students and teachers.
- **The Shift:** Hard-coding MNP values into the scoring rubric moved feedback beyond praise (“Good job!”) to rewarding risk-taking—behaviors we couldn’t measure without CoP guidance.



Excited students celebrating their teamwork and problem solving during an OKO session!



Left: OKO messaging aligned to MNP Recommendation: Reframe Struggle and Capability. Right: Students receive real-time OKO Teamwork Scores and growth feedback based on their observed collaboration.

Top learnings about process



1. Professional Development: Shifting beliefs and emotions about math learning requires consistent practice and reinforcement. To ensure “instructional coherence”, we enhanced our PD to help teachers reinforce these behaviors alongside OKO.

2. Product: LLMs struggle with abstract guidelines; we now utilize “Few-Shot Examples” with contrastive sets to prevent generic output and ensure the AI captures the necessary nuance.