Goblins AI Maths Tutor in Deer Valley, Arizona — Accelerate-Funded UMD Study Links Regular Use to a 0.11 SD Gain, but Only Half of 6,065 Pupils Used It Regularly

AI in Education · Good practice · United States of America

Quality score: 53/100

Evidence strength: Moderate

Summary

Grade 6–8 pupils in Arizona's Deer Valley district used the Goblins AI maths tutor. A UMD quasi-experimental study of 6,065 pupils found regular users scored 0.11 SD higher on MAP maths, but use was light and the design is not causal.

Key dimensions

Dimension	Score
Evidence of learning impact	2/3
Equity & inclusion	2/3
Transparency, ethics & data protection	1/3
Teacher capability & pedagogy	1/3
Scalability & sustainability	2/3

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-11-22

Deer Valley Unified School District; Goblins; University of Maryland Center for Educational Data Science and Innovation; Accelerate — accessed 2026-11-22

Accelerate study summary (Oct 2026) — accessed 2026-11-22

Hechinger Report — Proof Points on AI tutor results — accessed 2026-11-22

EdWorkingPaper ai26-1611 — accessed 2026-11-22

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