

Alexa as a Reading Coach — A Controlled Study Lifts Oral Reading Fluency for 90 Egyptian Fourth-Graders

AI in Education · Good practice · Egypt

Quality score: 27/100

Evidence strength: Quasi-experimental

Summary

A controlled study of 90 Egyptian fourth-graders found those using the Alexa voice-chatbot for guided reading practice showed considerably greater gains in oral reading fluency and comprehension than a matched control group taught conventionally.

Key dimensions

Dimension	Score
Evidence of learning impact	2/3
Equity & inclusion	1/3
Transparency, ethics & data protection	0/3
Teacher capability & pedagogy	0/3
Scalability & sustainability	1/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-09-21

[Kafr El-Sheikh University, Faculty of Specific Education](#) — accessed 2026-09-21

[Journal of Computer Assisted Learning](#) — Wiley — accessed 2026-09-21

[ResearchGate](#) — publication record — accessed 2026-09-21

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