

Project LISTEN Reading Tutor — Carnegie Mellon's Speech-Recognition Oral Reading Tutor Tested in a Randomised Trial

AI in Education · Good practice · United States of America

Quality score: 40/100

Evidence strength: Moderate

Summary

A randomised trial of 178 grade 1-4 pupils found Project LISTEN's speech-recognising Reading Tutor beat sustained silent reading on total reading and basic skills composites (WWC: meets standards without reservations), with no significant gains in comprehension or fluency.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-10-25

[Carnegie Mellon University \(Project LISTEN\)](#) — accessed 2026-10-25

[What Works Clearinghouse study review](#) — accessed 2026-10-25

[CMU Robotics Institute: controlled evaluation of computer- vs human-assisted oral reading](#) — accessed 2026-10-25

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