

DART — Radboud University's Speech-Recognition Reading Tutor Boosts First-Graders' Decoding Skills in the Netherlands

AI in Education · Good practice · Netherlands

Quality score: 67/100

Evidence strength: Moderate

Summary

Dutch researchers built an AI reading tutor that listens to children read aloud and gives instant automated feedback. A study of 525 first-graders across 44 schools found significant reading-accuracy gains; it now reaches 1,200-1,400 pupils daily via a national curriculum.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-09-28

[Radboud University, Centre for Language and Speech Technology \(CLST\)](#) — accessed 2026-09-28

[Technology, Knowledge and Learning \(Springer, peer-reviewed study\)](#) — accessed 2026-09-28

[Radboud University: Learning to read better with software that listens and gives feedback](#) — accessed 2026-09-28

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