

ASSISTments — Two Randomised Trials of an Online Maths Homework Tool with Instant Feedback for Grade 7 Students

AI in Education · Good practice · United States of America

Quality score: 67/100

Evidence strength: Moderate

Summary

Free online maths homework tool giving students instant right/wrong feedback and hints and teachers item-level reports; Maine RCT found $g \approx 0.18-0.22$, a North Carolina replication $+0.10$ a year later. Rule-based, not generative AI.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-10-02

[ASSISTments Foundation / Worcester Polytechnic Institute](#) — accessed 2026-10-02

[ASSISTments research and efficacy](#) — accessed 2026-10-02

[Evidence Based Programs summary](#) — accessed 2026-10-02

[NSF PAR: long-term effects study](#) — accessed 2026-10-02

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