

# Middlebury College Proctored Experiment — Allowing Generative AI Raised Test Scores 0.27 SD, but Only Augmentation Use Built Lasting Skills

AI in Education · Good practice · United States of America

Quality score: 47/100

Evidence strength: Moderate

## Summary

Randomised experiment with 211 Middlebury undergraduates: AI access raised immediate test scores by 0.27 SD, with gains persisting a week later; students who used AI to explain concepts gained more than those who generated text.

## Key dimensions

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

Evaluated by C-NAPSE

## Data sources

[C-NAPSE web research](#) — accessed 2026-10-04

[Middlebury College](#) — accessed 2026-10-04

[Paper \(arXiv\)](#) — accessed 2026-10-04

[IZA Discussion Paper 18792](#) — accessed 2026-10-04

[VTDigger coverage](#) — accessed 2026-10-04

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