

3D-Printed Tactile Hangul Literacy Aids — A Debossed-Character Teaching Tool at Seoul National School for the Blind

Digital Inclusion · Good practice · South Korea

Quality score: 52/100

Evidence strength: Moderate

Summary

Researchers 3D-printed Hangul characters with debossed, traceable outlines paired with braille to teach handwriting to three blind kindergartners at Seoul National School for the Blind, publishing a peer-reviewed pilot in the Journal of Visual Impairment & Blindness.

Key dimensions

Dimension	Score
Innovation level	3/5
Sustainability (ongoing)	0/1
Evaluation evidence	1/1
Demonstrated reach	0/1
Documented learning	1/1

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-09-05

[Seoul National School for the Blind, with university 3D-printing researchers](#) — accessed 2026-09-05

[ERIC / Journal of Visual Impairment & Blindness \(2016\)](#) — study record — accessed 2026-09-05

[3ders.org — 3D printed literacy tools help visually impaired children learn Korean alphabet](#) — accessed 2026-09-05

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