

Why print matters for learning and reading?

INTERGRAF

The evidence is clear:



Print yields **superior comprehension, concentration, and retention**



Schoolchildren and students **perform better** when using print in instruction and testing



Print reduces **socio-economic or digital access gaps**, ensuring they do not lead to learning inequalities



Digital-only tools and reading practices in education and learning **diminish outcomes**

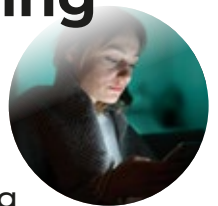
Learning outcomes & test results

Students performed better on **paper-based tests** across all skill levels



Concentration & understanding

Digital reading fosters **shallow reading behaviours** (skimming, scanning, multitasking), reducing comprehension



Source: Støle et al., 2020



Comprehension & retention

A meta-analysis of

54 STUDIES **171,000** PARTICIPANTS
PERIOD: **2000–2017**

Paper reading yields **better comprehension** than digital reading

Source: Delgado et al., 2018

Format preferences & behaviour



78% of university students prefer print for reading



82% said they focus best with print



72% said they remember best with print (ARFIS)

Source: Mizrachi et al., 2021



Maintaining print alongside digital is not optional

It is essential for effective learning, equal opportunity, and the development of higher-level comprehension skills