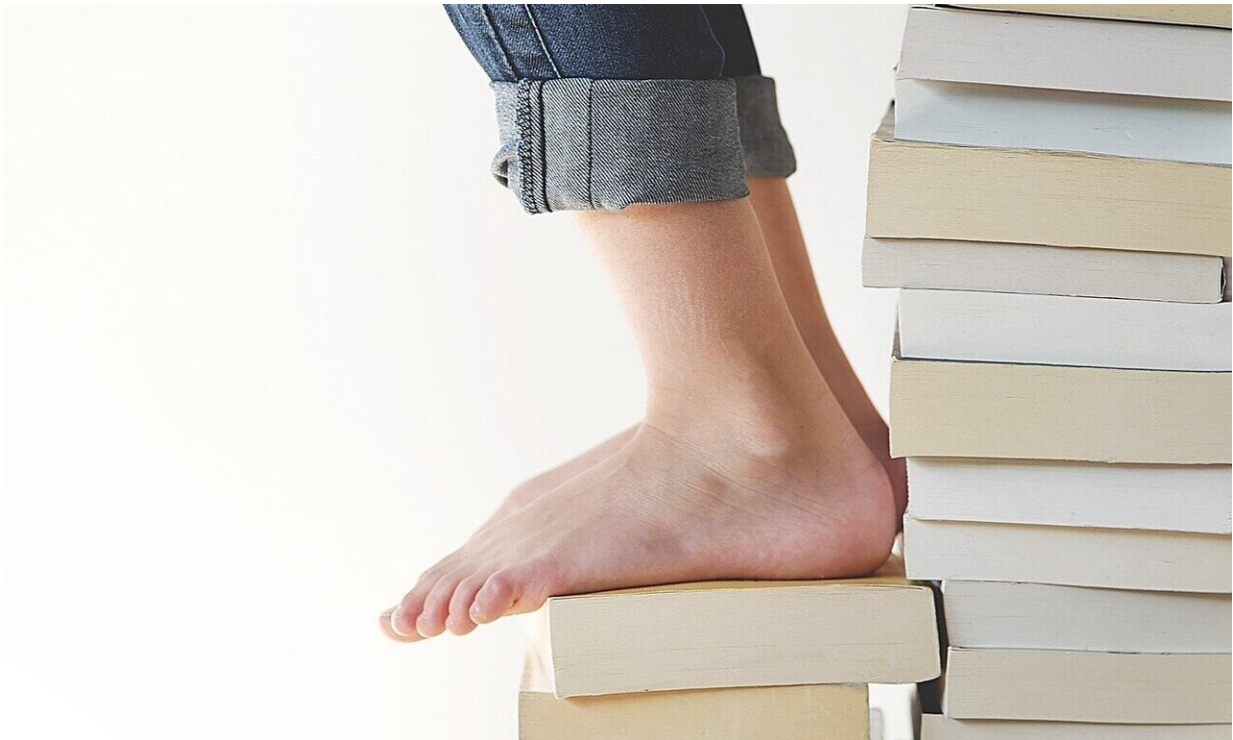


Do school-based interventions help improve reading and math in at-risk children?

April 7 2021



Credit: CC0 Public Domain

School-based interventions that target students with, or at risk of, academic difficulties in kindergarten to grade 6 have positive effects on reading and mathematics, according to an article published in *Campbell Systematic Reviews*.

The review analyzed evidence from 205 studies, 186 of which were randomized controlled trials, to examine the effects of targeted school-based interventions on students' performance on standardized tests in reading and math.

Peer-assisted instruction and small-group instruction by adults were among the most effective interventions. The authors noted that these have substantial potential to boost skills in students experiencing academic difficulties.

"It is exciting to see that there are many interventions with substantial impacts on math and [reading skills](#), especially in these times when many students have not been able to attend [school](#) and the number of students who need extra help may be even larger than usual," said lead author Jens Dietrichson, Ph.D., of VIVE, the Danish Center for Social Science Research. "It is also interesting that there is large variation: far from all interventions have positive effects, and there are substantial and robust differences between the types of interventions. Thus, schools can boost the [skills](#) of students with difficulties by implementing targeted interventions, but it matters greatly how they do it."

More information: Jens Dietrichson et al, Targeted school-based interventions for improving reading and mathematics for students with or at risk of academic difficulties in Grades K-6: A systematic review, *Campbell Systematic Reviews* (2021). [DOI: 10.1002/cl2.1152](https://doi.org/10.1002/cl2.1152)

Provided by Wiley

Citation: Do school-based interventions help improve reading and math in at-risk children? (2021, April 7) retrieved 4 August 2024 from <https://phys.org/news/2021-04-school-based-interventions-math-at-risk-children.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.