



Significant Growth on NWEA® MAP® with Exact Path

First year implementation of Exact Path leads to growth in NWEA® MAP® math and reading scores

The impact of Exact Path learning path usage was examined during a rigorous study in grades K–6 on NWEA® MAP® Growth scores in math and reading during the 2021–2022 school year in a large, urban school district in the Midwestern United States.

The study found that the use of Exact Path was positively related to both math and reading K–6 achievement on NWEA® MAP® tests, after controlling for students’ pretest scores and their socio-economic status. When Exact Path is implemented, an average student who uses the program could accelerate learning for a gain of up to 17 percentile points in mathematics and 12 percentile points in reading as compared to a student who did not participate in the program.

About this District

- 33,000+ students
- 74.83% economically disadvantaged
- Midwestern United States

Study sample:

- 5,271+ students
- 77% free or reduced lunch
- 28.18% English language learners

Outcome measure:

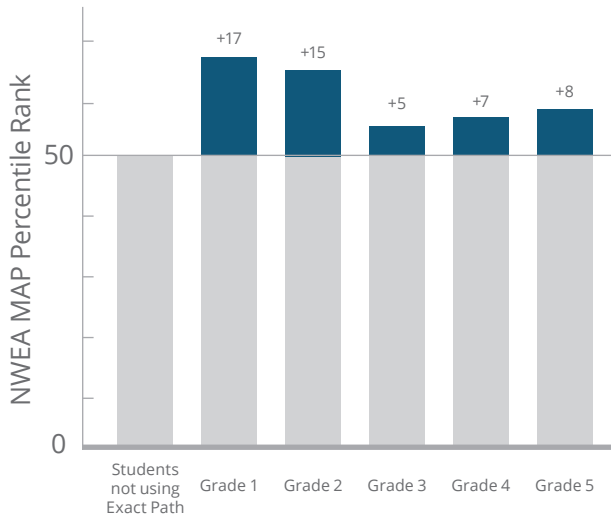
- NWEA® MAP® Growth

The quasi-experimental efficacy study meets ESSA Tier 2 evidence and the What Works Clearinghouse 5.0 Group Design standards with reservations.



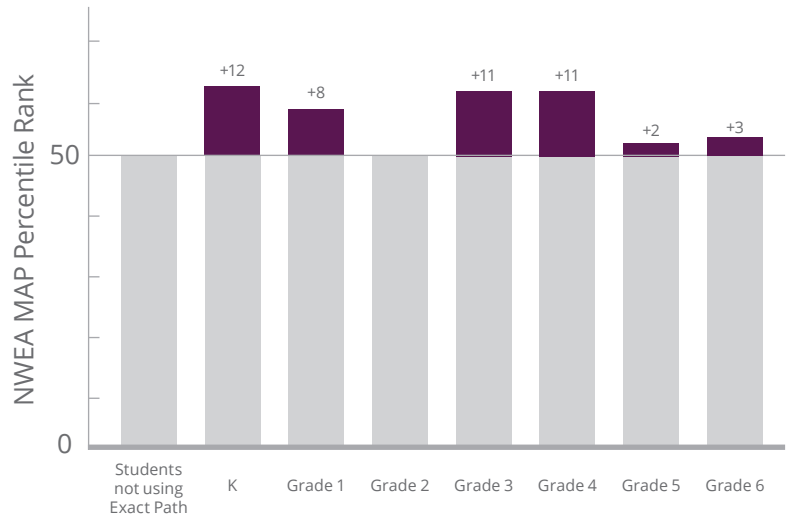
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Expected Increase in NWEA® MAP® Percentile Rank when Students Use Exact Path Math



In Math, the effect sizes were as high as .44 in 1st grade, resulting in an improvement index of 17 percentile points (Grade 1 n=61, Grade 2 n=83, Grade 3 n=122, Grade 4 n=167, Grade 5 n=141).

Expected Increase in NWEA® MAP® Percentile Rank when Students Use Exact Path Reading



In Reading, the effect sizes were .28 in 3rd and 4th grades, which can be translated into an improvement index of 11 percentile points (Grade K n=143, Grade 1 n=216, Grade 2 n=268, Grade 3 n=184, Grade 4 n=226, Grade 5 n=170, Grade 6 n=103).

Study Aligns to National Research Findings

This research has similar findings to three independently conducted national studies from Century Analytics. Those subject-specific analyses show that students who complete lessons on their Exact Path learning path show greater gains in achievement compared to students who do not. The ESSA Tier 2 evidence observed in this study included large improvement indexes in both math and reading, with expected gains of 8–15 percentile points between interim assessments.

