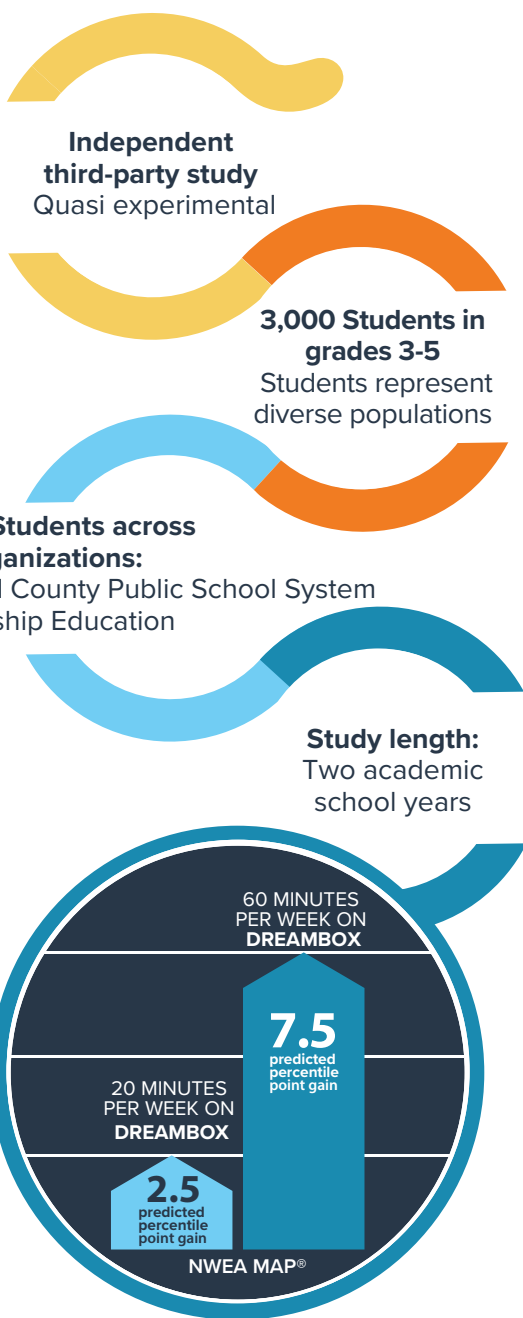


A GUIDE TO THE Center for Education Policy Research (CEPR) at Harvard University Study Evaluation of DreamBox Math



STUDY BACKGROUND

The Center for Education Policy and Research at Harvard University evaluated the impact of DreamBox Math on student achievement. The study explored whether improvement on student assessment scores was causally related to the use of DreamBox Math. This brief summarizes study features and key findings.

Who was included in the study?

The study included nearly 3,000 students in grades 3-5 representing culturally and economically diverse demographics from two school districts: Rocketship Education and Howard County Public Schools (HCPSS).

What data was evaluated?

Researchers examined historical data on student achievement on state assessments and the Northwest Evaluation Association (NWEA) Measures of Academic Progress® (MAP®) assessment, as well student characteristics. They also looked student log files from DreamBox Math to measure how students were using the program, both in and out of school.

How much time did students in the study spend on DreamBox?

In HCPSS, students averaged 38 minutes per week during one academic school year. The following year, they averaged 35 minutes per week across 16.5 weeks. Students in Rocketship averaged 42 minutes per week across 13 weeks in one academic year, and 44 minutes per week across 17 weeks the following year. Usage for both districts were below the DreamBox Math usage recommendations (complete 5 DreamBox Math lessons per week-about one hour).

DreamBox Math usage recommendations:

- 60 minutes of usage per student per week
- 5 lessons
- completed per week

How was DreamBox Math used

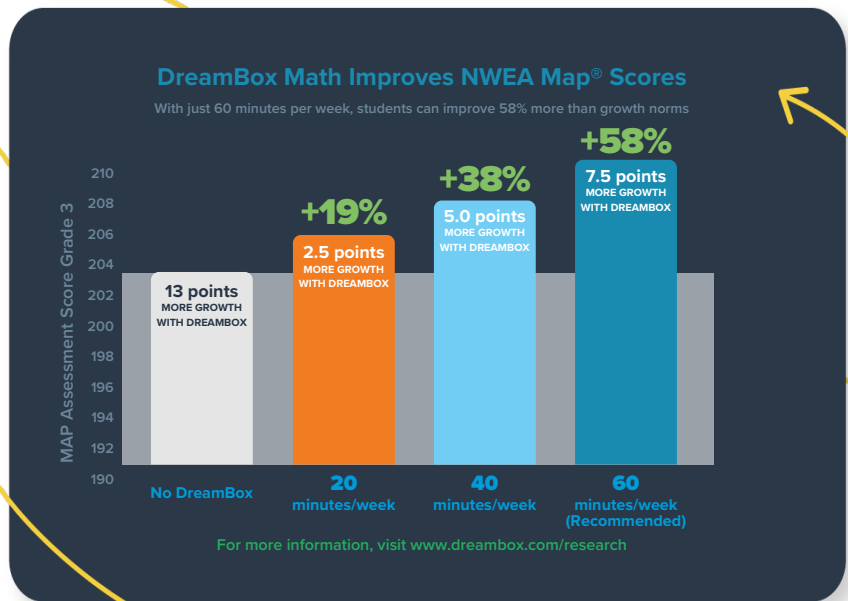
In HCPSS, students tended to use DreamBox Math for intervention and remediation as part of the school day as well as during before and after school intervention program.

What are the study results?

The CEPR at Harvard University study of DreamBox Math showed meaningful achievement gains. When students spent 20 minutes per week using the program during the school year, they demonstrated a 2.5 percentile point increase on their NWEA MAP assessments. Because the study indicates a linear relationship between time spent on DreamBox Math and achievement gains, **students who use DreamBox Math for the recommended 60 minutes per week stand to experience an increase of 7.5 points on the MAP.**

Additional key findings include:

- Students who followed the DreamBox Math lesson recommendation saw greater gains
- Progress in DreamBox Math was positively associated with achievement gains on state tests and interim assessments
- Students who spent more time in the DreamBox Math program saw larger gains in achievement.



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