



JOHNS HOPKINS
SCHOOL of EDUCATION

Center for Research and
Reform in Education

MICHAEL A. COOK, PHD
STEVEN M. ROSS, PHD
JANE EISINGER, MS
ELENI GIORGOS, BFA
MARIA JOSE BARROS, PHD

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REVEAL MATH

*Efficacy Study of McGraw
Hill's Reveal Math Program*

ESSA EVIDENCE

REVEAL MATH

EFFICACY STUDY OF MCGRAW HILL'S REVEAL MATH PROGRAM

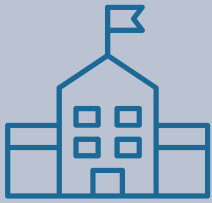
ESSA TIERS OF EVIDENCE

1

The CRRE authors of this study judge the evidence obtained to meet criteria for the Every Student Succeeds Act (ESSA) at:

TIER 2 (MODERATE EVIDENCE)

Demographics & Setting



15 Schools



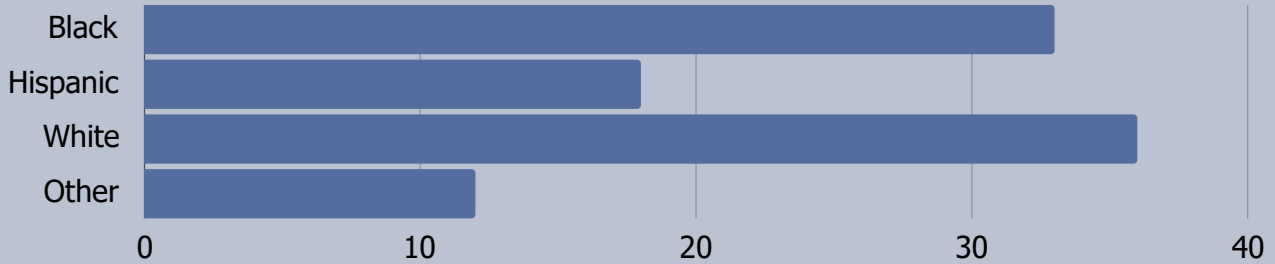
8,625 Students
(Grades K-5)



185 Teachers



2 Districts



Study Design



Quasi-Experimental
Design (QED)



1 School Year



NWEA Math Assessment
BOY & EOY

Group 1

Reveal Math

Group 2

Matched-Virtual Comparison

Results

This Quasi-Experimental Design (QED) study in two school districts compared the NWEA MAP math scores of grades K-5 students who used the Reveal Math program to a virtual matched-control group having equivalent prior achievement and demographic characteristics. Results of the main impact analyses showed a statistically significant, positive impact of Reveal Math on achievement across the entire analytic sample. Reveal Math students averaged nearly .08 standard deviations higher than the comparison students, a small to moderate effect size. The Reveal Math advantages were most pronounced in the suburban district and in the intermediate grades (3-5).

Research Brief

The Center for Research and Reform in Education (CRRE) is a research center affiliated with the School of Education at Johns Hopkins University (JHU) specializing in K-12 education program evaluations. In 2023, McGraw Hill contracted with CRRE to conduct a retrospective mixed-methods, quasi-experimental design (QED) to evaluate its *Reveal Math* K-5 program in elementary schools during the 2022-23 school year. Math achievement gains of students who used *Reveal Math* were compared to those of similar students that did not use the program. In addition, teacher surveys and interviews were conducted to obtain their perceptions of *Reveal Math*. The methods used and results obtained in this study meet criteria for ESSA Tier 2 evidence. Important main findings include:

- *Reveal Math* students slightly, but significantly, outgained comparison students identified by two NWEA Similar Schools Reports, by 0.8 points (ES = .08 SDs).
- Significant positive program impacts in grades 3-5 were observed, with students in these grades outgaining comparison students by an average of 2-3 points.
- Teacher perceptions of *Reveal Math* were generally quite positive, especially regarding lesson designs and program features, as well as achievement and engagement benefits for students in later elementary grades (grades 3-5).
- Positive perceptions included:
 - “We saw a very big jump in our math scores on NWEA and iLearn, and this is only the first year we've used this series. And this is the only thing we've changed in our math instruction. So, we definitely contribute some of the growth to this series.”
 - “It is easy to follow and teach. I love that the standards are included in the lesson guides and follows the state standards.”