

While national test scores decreased, DreamBox students excelled

In 2022, the National Center for Education Statistics conducted a special administration of the NAEP long-term trend reading and mathematics assessments to examine student achievement during the COVID-19 pandemic. The results indicated that students, especially in underserved populations and within the lowest achievement percentiles, experienced steep declines across both math and reading.



NAEP data at-a-glance

Researchers compared 2022 data against 2020 data across:

7,000

 9-year-old students

Within diverse achievement levels and demographics across the nation

The results

Students at all levels declined during the past two years in both math and reading, but lower-performing students demonstrated the largest drops.



Source: National Center for Education Statistics



Source: National Center for Education Statistics

7-point decline

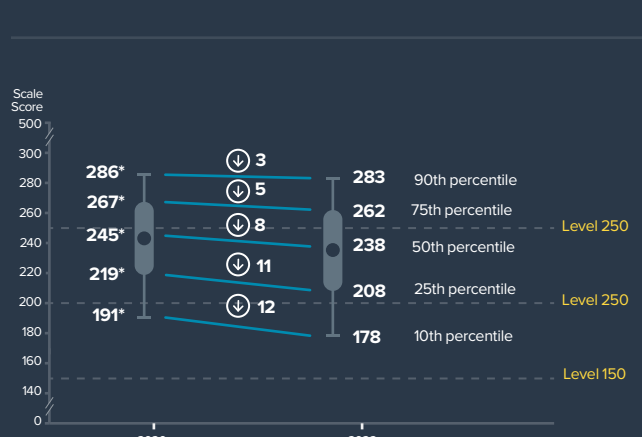
between 2020 and 2022

The first decline in math ever.

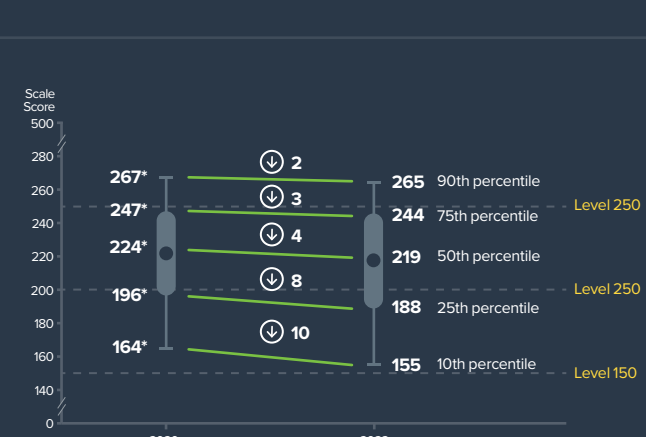
5-point decline

between 2020 and 2022

The largest score drop since 1990. And, the steepest decline ever.



Source: National Center for Education Statistics



Source: National Center for Education Statistics

12-point decline

for students in the bottom 10th percentile

10-point decline

for students in the bottom 10th percentile

DreamBox Learning is proven effective and yields rapid results for both math and reading.

Despite the learning challenges of recent years, research conducted before, during and after school closures indicates DreamBox programs prevented the learning loss seen in national trends.



DreamBox Math results

Pinellas County Schools is the 8th largest district in Florida. Over 22,000 students in grades 1 – 5 use DreamBox Math within various programs, including intervention, tutoring, after-school programs, summer school and embedded in daily practice during school hours.

Pinellas County Schools data at-a-glance

Researchers analyzed data for students using DreamBox Math who completed the NWEA MAP assessment in fall 2019 and fall 2020

22,380
Students Grades 1 – 5

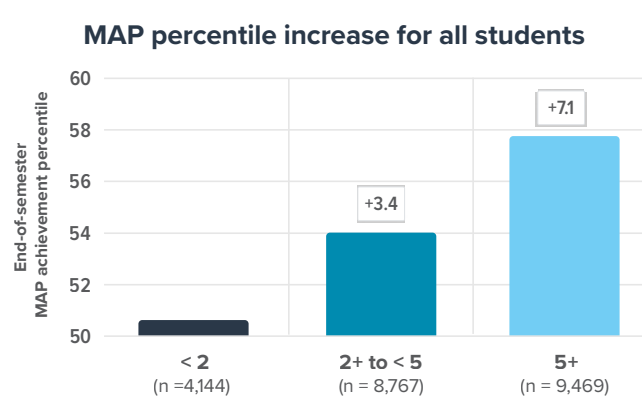
60+
Schools

2,100+
Classrooms

The results

Elementary school students across grade levels and at varying achievement percentiles who used DreamBox Math demonstrated significantly higher achievement on the end-of-semester NWEA Measure of Academic Progress® (MAP) Growth assessment. These gains were greatest for students who completed an average of five or more lessons each week. Data also indicated achievement for DreamBox Math students persisted across varying learning environments, including in-class and remote learning settings.

In fall 2020, during a time of disrupted schooling, students who completed an average of five or more lessons per week over eight weeks (one hour per week in the program) demonstrated the following outcomes.



7.1-point increase

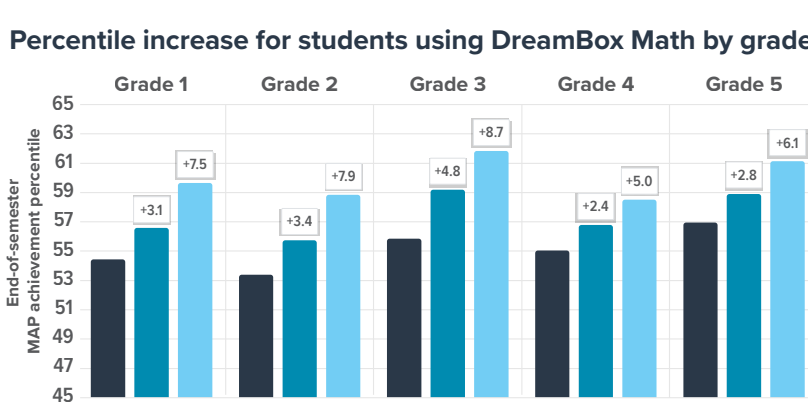
on the Fall 2020 NWEA MAP Growth Assessment



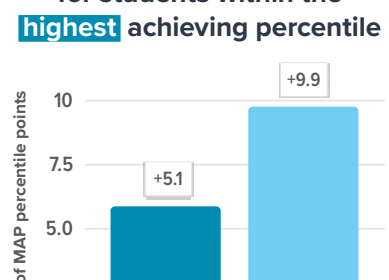
5-point increase

For 9-year-old students

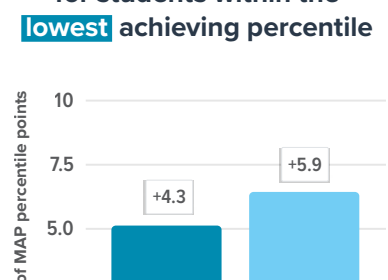
Percentile increase for students using DreamBox Math by grade



MAP percentile point increase for students within the highest achieving percentile



MAP percentile point increase for students within the lowest achieving percentile



9.9-point increase

for students in the top 20th percentile

5.9-point increase

for students in the bottom 20th percentile



DreamBox Reading results

Researchers conducted a nationwide study of over 230,000 students in grades 2 – 12 using DreamBox Reading (formerly Reading Plus) before, during and pandemic school closures. Data was compared across the platform's InSight assessment. A detailed review and evaluation of the InSight reliability, validity and classification accuracy can be found on the National Center on Intensive Intervention website.

National data at-a-glance

Researchers analyzed data for students using DreamBox Reading who completed the platform's InSight assessment in fall 2019 and fall 2020

235,779
Students Grades 2 – 12

1,149
Districts

2,100+
Classrooms

The results

Despite school closures due to the COVID-19 pandemic, students who used DreamBox Reading achieved statistically significant reading proficiency gains on par with prior-year results. In addition, students who completed the recommended reading proficiency achieved significantly larger gains than their peers who completed little or no DreamBox Reading instruction.

Across all tier groups, students using DreamBox Reading achieved significantly larger reading proficiency gains than those who didn't use the program.



Reading proficiency gains



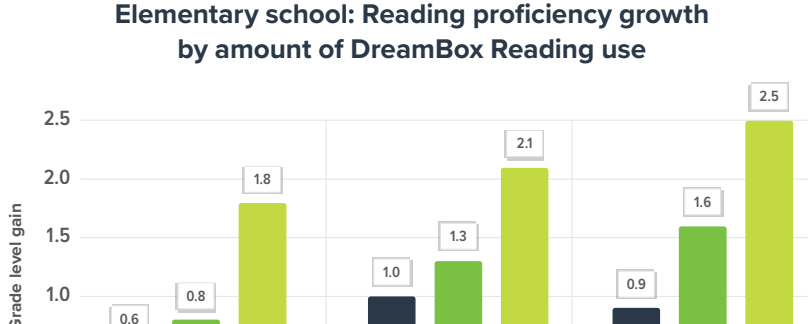
2.8-grade-level gains

For Tier III students completing the recommended amount of DreamBox Reading

2.5-grade-level gains

For Tier III elementary school students completing the recommended amount of DreamBox Reading (90 minutes per week).

Elementary school: Reading proficiency growth by amount of DreamBox Reading use



Learn more about how DreamBox Learning is helping districts drive positive student learning outcomes fast at dreambox.com/big-impact.