imagine math®

Imagine Math Students in Clifton Public Schools See Growth on NJSLA

Overview

During the 2022–2023 academic year, Clifton Public Schools in New Jersey implemented Imagine Math to promote mathematics achievement for Grades K–8 students. Over the course of the year, 6,592 students used the program for an average of 18.7 hours and passed an average of 30.2 lessons. The purpose of this research study was to examine how usage of Imagine Math impacted students' mathematics achievement. To achieve this, Imagine Learning analyzed the correlation between New Jersey Student Learning Assessments (NJSLA) mathematics assessment outcomes and student use of the Imagine Math program (lessons passed) to determine how program use was associated with mathematics performance. Additionally, Imagine Learning utilized propensity score matching to compare how different levels of usage contributed to students' mathematics achievement as measured by the NJSLA.

Clifton Public Schools, NJ

Demographics	($n = 6,592$)
Special Education Status	18.1%
Free/Reduced Lunch Status	45.2%
ELL	8.9%
Title I Math	28.2%
504 Plan	1.7%

Results

The results of this evaluation showed a positive association between Imagine Math usage and performance on the 2023 NJSLA math assessments. As students passed more lessons in Imagine Math, they achieved statistically greater scores on their 2023 NJSLA math assessment ($p < .01$, see Figure 1). Further, after matching students on baseline scores, ELL status, and other demographics variables, students who passed at least 30 lessons in Imagine Math statistically outperformed their peers by about 8 points on the NJSLA math assessment ($p < .001$, see Figure 2). Overall, these results indicate that Imagine Math is a strong solution for supporting students in their mathematics achievement.

Figure 1. Association between Imagine Math lessons passed and 2023 NJSLA Math score.
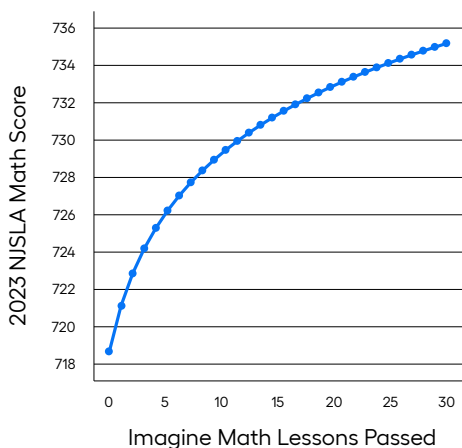

Figure 2. Average 2023 NJSLA math scaled score by grade by Imagine Math lessons passed.

Imagine Math Usage
< 30 Imagine Math Lessons Passed
≥ 30 Imagine Math Lessons Passed

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