

Achievement Study with Highlights for Special Education: Classworks Individualized Learning Leads to Higher Achievement in Reading and Math for All Learners



Classworks®
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ABOUT THIS WHITEPAPER

Classworks conducted a study to determine the impact of Classworks Individualized Learning reading and math instruction on the achievement outcomes for students on the end-of-year Classworks Universal Screeners from the Spring of 2022. This 2021-2022 Classworks Achievement Impact Study evaluated reading performance data from 19,279 General and Special Education students and math performance data from 22,293 General and Special Education students across 47 school districts nationwide.



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Introduction

Since 2003, millions of students have used Classworks to close learning gaps, keep pace, and grow! Our mission is to deliver the most compelling individualized learning experience that helps teachers create an equitable learning environment for students of all abilities and ethnic and social backgrounds. We are able to accomplish this through our robust and research-based products, including Classworks Individualized Learning and Universal Screener Assessments.

The objective of this study is to reveal the impact of student participation in Classworks Individualized Learning reading and math instruction on student achievement outcomes on the Classworks Universal Screener Assessments. For more information about Classworks Individualized Learning and Universal Screener assessments, please visit our website at www.curriculumadvantage.com/classworks.

Main Findings

Results from the impact study revealed that students in grades 1-8 that worked on their Individualized Learning Path (ILP Users) experienced more growth and higher achievement on both the reading and math Classworks Universal Screener Assessments when compared to students in the same grades that did not participate in Classworks Individualized Learning (Non-ILP Users).

The impact was even greater for General Education Power ILP Users who accomplished an average unit score of 80% or higher and spent at least 15 minutes a week over 30 instructional weeks on their Individualized Learning Path for both reading and math. For Special Education (SPED), the impact was even greater for SPED Power ILP Users who accomplished an average unit score of 70% or higher in both reading and math instruction.

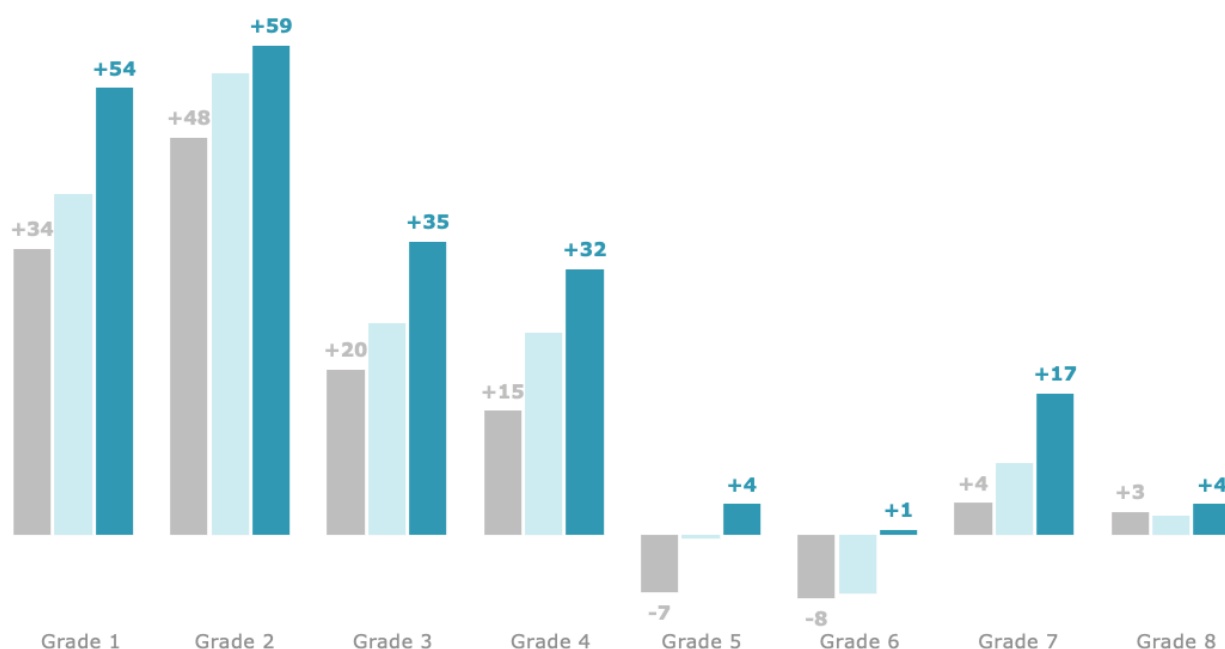
Reading

ILP Users in grades 1-8 experienced more growth on the Classworks Reading Universal Screener when compared to Non-ILP Users in the same grades during the Fall 2021 to Spring 2022 school year.

Overall, 1st-8th grade ILP Users earned an average of five points higher on the Reading Universal Screener from the fall 2021 to the spring 2022 compared to their Non-ILP User peers, while Power ILP Users earned an average of 12 points higher.

Classworks **Power ILP Users** achieved more growth¹ on the Classworks Reading Universal Screener compared to their **ILP User** and **Non-ILP User** peers.

Power ILP-Users in grades 1-8 continued to succeed despite the continued negative impact of the Pandemic on student learning outcomes experienced nation-wide².



¹ Growth as measured in points.

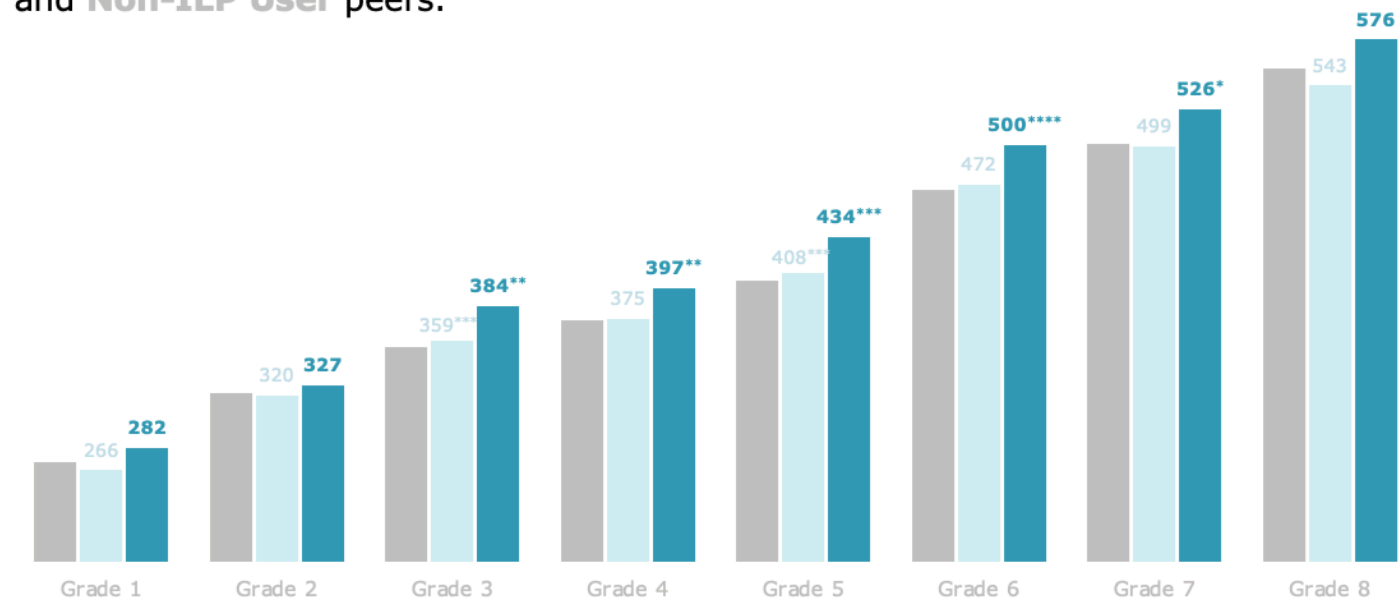
² NAEP Reading: *Reading Highlights 2022*. (2022). [www.nationsreportcard.gov](https://www.nationsreportcard.gov/highlights/reading/2022/). Retrieved October 28, 2022, from <https://www.nationsreportcard.gov/highlights/reading/2022/>

Power ILP Users in grades 1-8 continued to succeed despite the continued negative impact of the Pandemic on student learning outcomes experienced nationwide¹.

¹ NAEP Reading: *Reading Highlights 2022*. (2022). [www.nationsreportcard.gov](https://www.nationsreportcard.gov/highlights/reading/2022/). Retrieved October 28, 2022, from <https://www.nationsreportcard.gov/highlights/reading/2022/>

Additionally, reading achievement was higher and statistically significant for Power ILP Users in grades 3-7 who accomplished an average unit score of 80% or higher and spent at least 15 minutes a week over 30 instructional weeks on their Individualized Learning Path.

Classworks **Power ILP Users** experienced higher and significant achievement¹ on the Classworks Reading Universal Screener compared to their **ILP User** and **Non-ILP User** peers.



¹ Achievement as measured by the average Spring, End-of-Year Universal Screener Score
Mann-Whitney U Test for statistical significance; p-value: *p<0.05, **p<0.01, ***p<0.001, **** p<1e-04

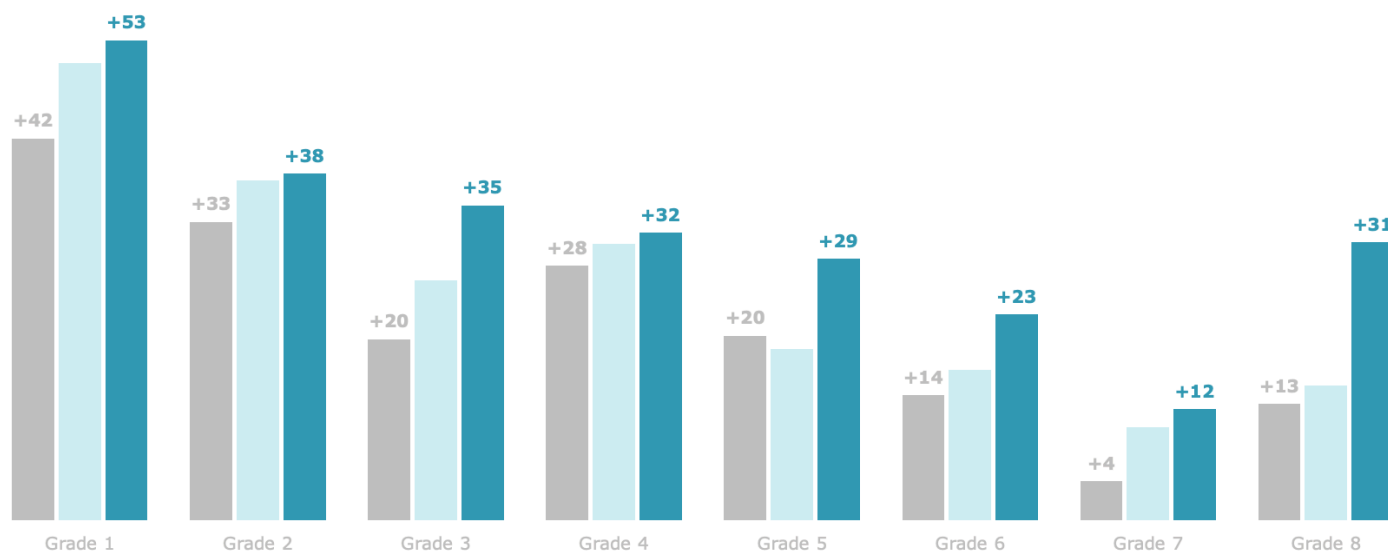
Mathematics

ILP Users in grades 1-8 experienced more growth on the Classworks Math Universal Screener when compared to Non-ILP Users in the same grades during the Fall 2021 to Spring 2022 school year.

Overall, 1st-8th grade ILP Users earned an average of four points higher on the Mathematics Universal Screener from fall 2021 to spring 2022 compared with their Non-ILP User peers, while Power ILP Users earned an average of 10 points higher.

Classworks **Power ILP Users** achieved more growth¹ on the Classworks Mathematics Universal Screener compared to their **ILP User** and **Non-ILP User** peers.

Benchmark Grade Levels² achieved the most growth from Fall 2021 to Spring 2022.



¹ Growth as measured in points.

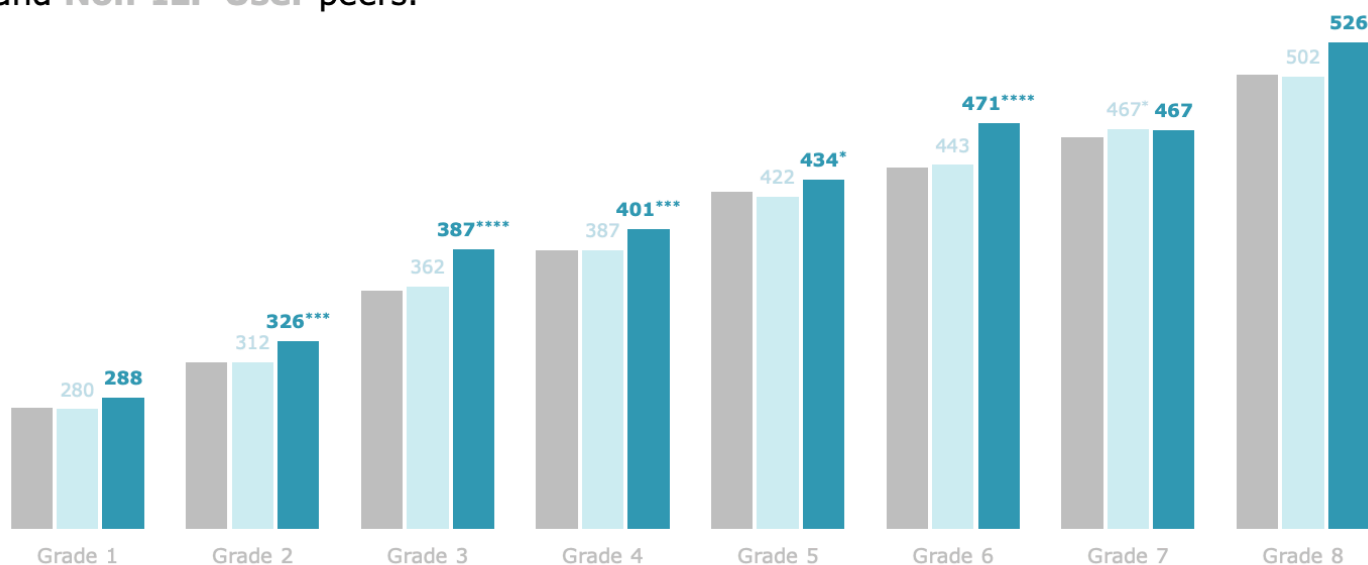
² Benchmark Grade Levels include Grade 3, Grade 5, and Grade 8.

Considering NAEP's reports of the largest score decline in mathematics at grades 4 and 8 since 1990², Classworks Power ILP and ILP Users achieved measurable growth on the Classworks Math Universal Screener compared to their Non-ILP User peers.

Benchmark grade levels (Grades 3, 5, and 8) achieved the greatest growth in points from the Fall 2021 Mathematics Universal Screener to the Spring 2022 Mathematics Universal Screener. 3rd Grade Power ILP Users earned an average of 15 points higher, while 5th Grade Power ILP Users earned nine points higher, and 8th Grade Power ILP Users earned 18 points higher than their Non-ILP User peers in the same grades.

² NAEP Mathematics: Mathematics Highlights 2022. (2022). [www.nationsreportcard.gov](https://www.nationsreportcard.gov/highlights/mathematics/2022/). Retrieved October 28, 2022, from <https://www.nationsreportcard.gov/highlights/mathematics/2022/>

Classworks **Power ILP Users** experienced higher and significant achievement¹ on the Classworks Mathematics Universal Screener compared to their **ILP User** and **Non-ILP User** peers.



¹ Achievement as measured by the average Spring, End-of-Year Universal Screener Score
Mann-Whitney U Test for statistical significance; p-value: *p<0.05, **p<0.01, ***p<0.001, **** p<1e-04

Additionally, math achievement was higher and statistically significant for Power ILP Users in grades 2-6 who accomplished an average unit score of 80% or higher and spent at least 15 minutes a week over 30 instructional weeks on their Individualized Learning Path.

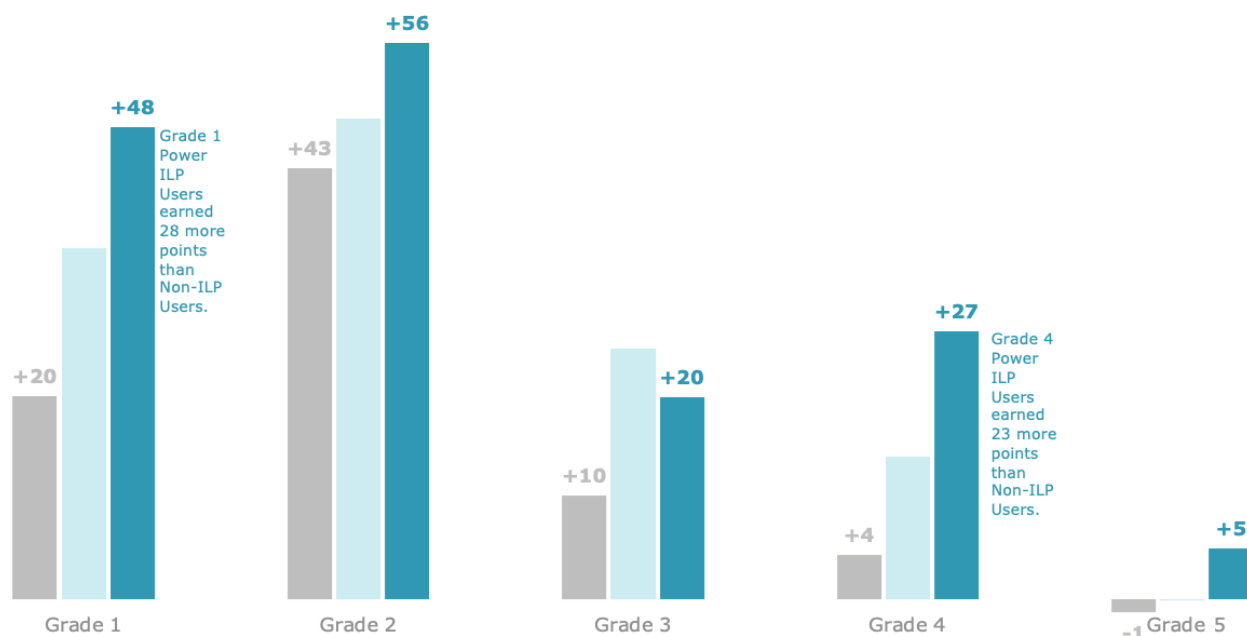
Highlights for Special Education

Special Education (SPED) students are represented in the 2021-2022 Achievement Study and further insights into the impact of Individualized Learning reading and math instruction are significant to highlight.

SPED Reading

SPED ILP Users in grades 1-5 experienced more growth on the Classworks Reading Universal Screener when compared to Non-ILP Users in the same grades during the Fall 2021 to Spring 2022 school year.

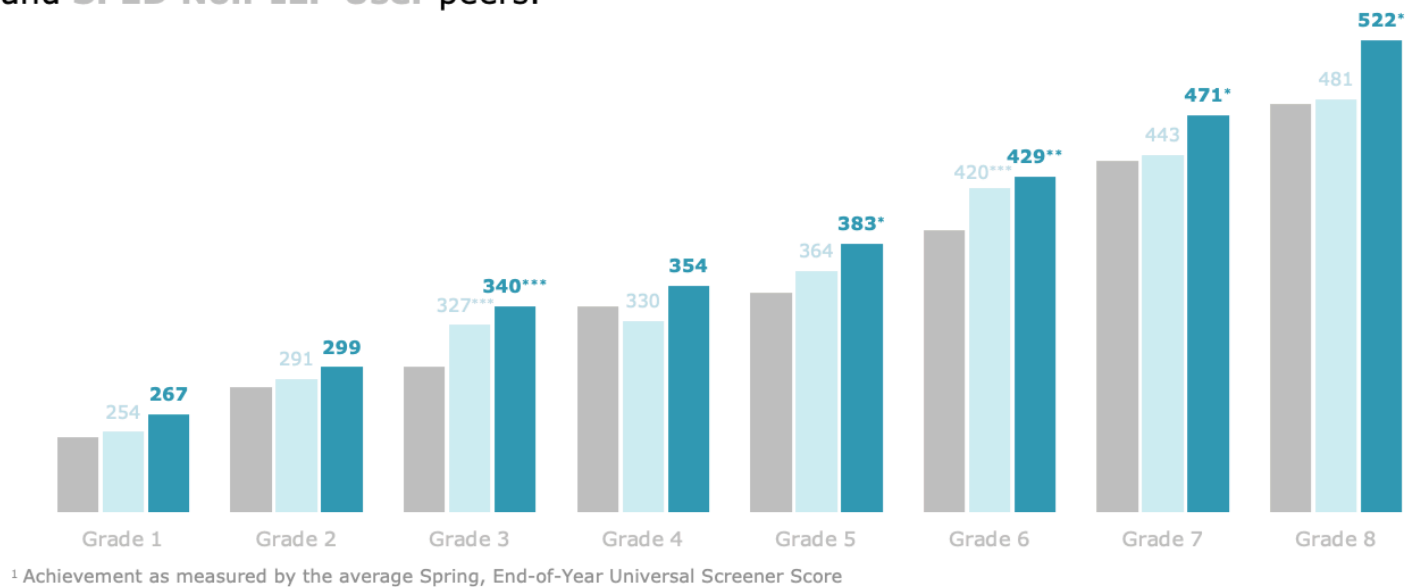
Classworks **SPED Power ILP Users** achieved more growth¹ on the Classworks Reading Universal Screener compared to their **SPED ILP User** and **SPED Non-ILP User** peers.



¹ Growth as measured in points.

Overall, 1st-5th grade SPED ILP Users earned an average of 11 points higher on the Reading Universal Screener from fall 2021 to spring 2022 compared to their SPED Non-ILP User peers, while SPED Power ILP Users earned an average of 15 points higher.

Classworks **SPED Power ILP Users** experienced higher and significant achievement¹ on the Classworks Reading Universal Screener compared to their **SPED ILP User** and **SPED Non-ILP User** peers.

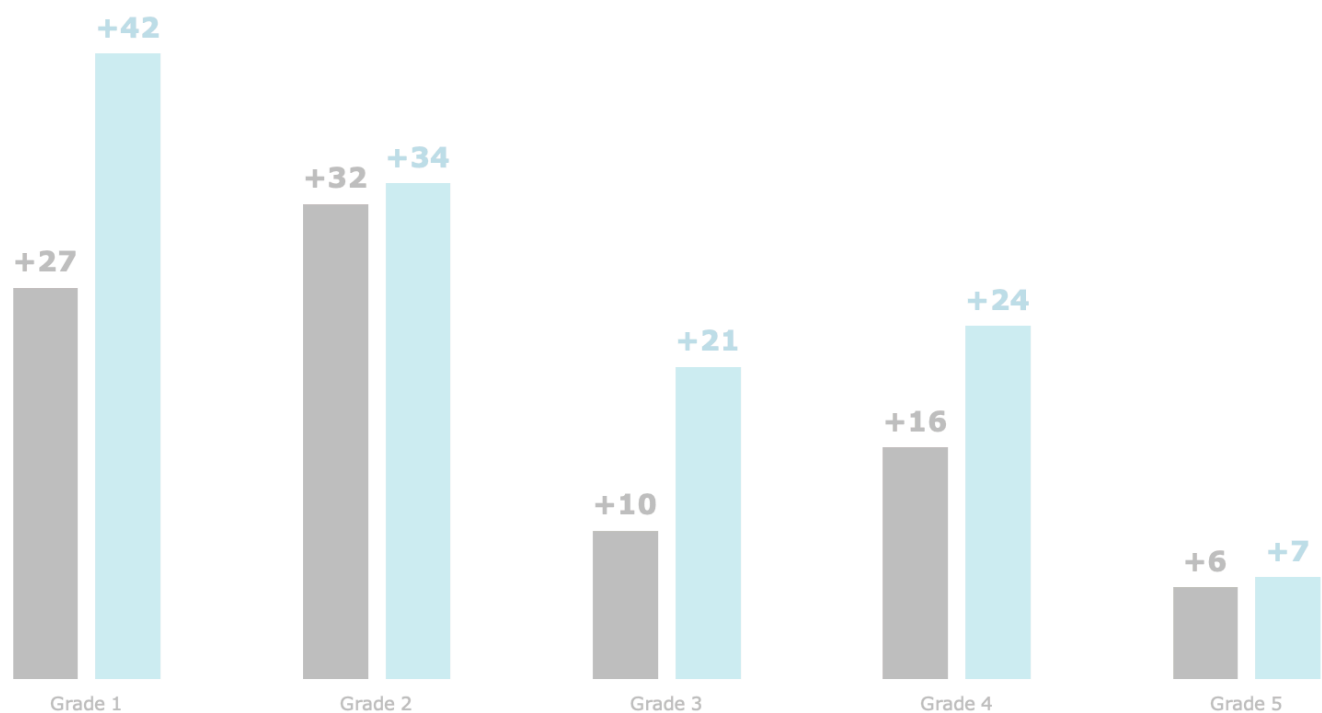


Additionally, reading achievement for SPED ILP Users was higher and statistically significant in grades 3 and 6. Reading achievement in grades 3, and 5-8 was higher and statistically significant for SPED Power ILP Users who accomplished an average unit score of 70% or higher.

SPED Mathematics

SPED ILP Users in grades 1-5 experienced more growth on the Classworks Math Universal Screener when compared to Non-ILP Users in the same grades during the Fall 2021 to Spring 2022 school year.

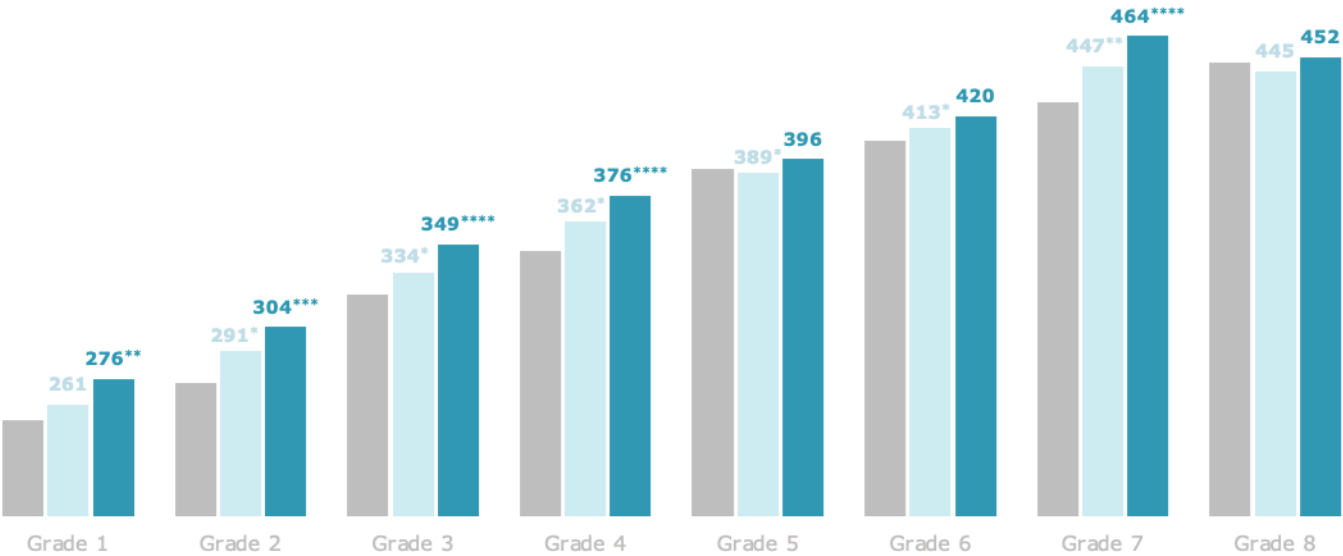
Classworks **SPED ILP Users** achieved more growth¹ on the Classworks Mathematics Universal Screener from fall 2021 to spring 2022 compared to their **SPED Non-ILP User** peers.



¹ Growth as measured in points.

Overall, 1-5 grade SPED ILP Users earned an average of eight points higher on the Math Universal Screener from fall 2021 to spring 2022 compared to their SPED Non-ILP User peers.

Classworks **SPED Power ILP Users** experienced higher and significant achievement¹ on the Classworks Mathematics Universal Screener compared to their **SPED ILP User** and **SPED Non-ILP User** peers.



¹ Achievement as measured by the average Spring, End-of-Year Universal Screener Score
Mann-Whitney U Test for statistical significance; p-value: *p<0.05, **p<0.01, ***p<0.001, **** p<1e-04

Math achievement for SPED ILP Users was higher and statistically significant in grades 2-7. Math achievement in grades 1-4 and 7 were higher and statistically significant for Power ILP Users who accomplished an average unit score of 70% or higher.

Conclusion

Findings from the Classworks 2021-2022 Achievement Study reveal the positive and significant impact of Classworks Individualized Learning reading and math instruction on achievement outcomes for students on the end-of-year Classworks Universal Screener Assessments from the Spring of 2022.

General Education ILP Users in grades 1-8 that worked on their Individualized Learning Path experienced more growth and higher achievement on both the reading and math Classwork Universal Screener Assessments when compared to their Non-ILP User peers.

The impact was even greater for General Education Power ILP Users who accomplished an average unit score of 80% or higher and spent at least 15 minutes a week over 30 instructional weeks on their Individualized Learning Path for both reading and math.

Special Education Power Users experienced more growth and higher achievement than both SPED ILP User and SPED Non-ILP User peers when they accomplished an average unit score of 70% or higher on their Individualized Learning Paths for reading and math.

About Classworks

Classworks leverages technology and evidence-based learning practices to transform how school districts support students' academic, social-emotional, and behavioral needs. The comprehensive MTSS and Special Education solution includes academic screeners, math and reading individualized interventions, progress monitoring, social-emotional and behavioral resources, and powerful data visualizations. Classworks assessments and progress monitoring probes are validated by the National Center of Intensive Intervention (NCII) and Classworks is endorsed by the Council of Administrators of Special Education (CASE).

For more information:

Contact Classworks at hello@classworks.com,
call 770-325-5555, or visit www.classworks.com.