



More Time Spent in Heroes League = Increased Test Scores

Canal Winchester School District Case Study Reveals Heroes League Positive Impact on Student Test Scores

THE FACTS ARE IN: Heroes League Game Day spent the last 12 months reviewing academic data and time spent in the Heroes League among elementary students in OHIO and has confirmed positive correlations between better test scores and time spent learning the life skills in HL platform.

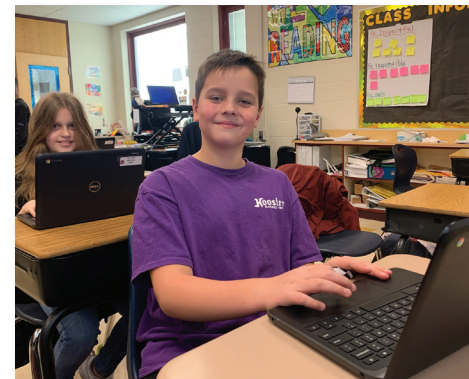
Here's Who We Studied: Case Study #1 - Canal Winchester Local Schools

- N: 154 students
- Grades: 3-5
- Minority: 44.6%
- Students with Disabilities: 20%
- Economic Disadvantaged: 30.4%

Here's What We Found: Impact and Summary of Findings

1. Students who played for 10-60 minutes per day had higher test scores and higher rates of growth from Fall to Spring
2. All subgroups (i.e. girls, IEP students, and minorities) showed high rates of engagement.
3. High rate of engagement for subgroups is likely due to optimization of Heroes League for Chromebook
4. Game play reduced the achievement gap for minority students

*Data findings and methods were independently reviewed and confirmed by a third party



Case Study #2

- N:149 Students
- Grades: 3-5
- High Poverty, High Minority Elementary School
- 100% Economically Disadvantaged Enrollment

This case study is from an Ohio public school district that ranks in the bottom 1% on Performance Index on Ohio's 2021-22 Local Report Card. As a general rule, this district has historically scored poorly across the board on all state tests. The district piloted the Heroes League in one of its elementary schools in grades 3-5 from January to June of 2022.

Here are the Results: Students who play HLGD have improved test scores

1. Of the top 20 Heroes League players at the school, 90% were 5th graders.
2. Compared to other tested grades in that same school, the HL 5th grade scored two and three times BETTER on percent of students proficient or better on Ohio State Tests in Math and Reading.
3. Compared to other elementary schools in the district, HL 5th graders in that school scored better than all others in every tested subject. (This school typically scores below the others at all grade levels.)
4. While the percent of students scoring proficient or better on nearly all tests at all grade levels dropped by double digits from pre- to post pandemic, the HL 5th graders in this school actually IMPROVED in Math and Science, and only slightly lost ground in Reading.
5. Collectively, the HL 5th graders in the pilot school logged as much as five times MORE game time than other students at the same school.

Heroes League Game Day is the only observable input that is different between other grades in the school within the school and between fifth graders at other elementary schools in the district. Bottom line, the more time students spend in the Heroes League Game Day platform, the better they perform on state tests!