

LEGENDS OF LEARNING CORRELATES WITH OUTSIZED **STAAR TEST GAINS**



Legends Schools Deliver **3.8x More Growth** in Meets Grade Level Performance and **2.7x More Growth** in Masters Grade Level Performance Compared to State-Wide Scores in 2018-19

BACKGROUND

Legends of Learning was launched out of a research study that showed students playing a variety of standards-aligned educational games achieved large and statistically significant increases in test scores. This study was conducted by researchers from Vanderbilt's Peabody College of Education and Human Development and published in The Journal of Learning Sciences.

To build on the prior study, a new study was conducted to evaluate the effect Legends of Learning games have on standardized assessments in science in Texas.

METHODOLOGY

End of grade assessment data for the past 3 years for 8th Grade Science were accessed from publicly available student databases in Texas, and compared to districts in which Legends of Learning was used at least weekly over the course of the academic year by at least 1000 test takers.

The study focused on student performance in Legends Schools in the 2018-2019 school year as compared to student performance in those same Legends Schools in the 2016-2017 and the 2017-2018 school years.

The change in test scores from Legends Schools was compared to the change in test scores from Non-Legends Schools in the same grade.

RESULTS

Texas divides its 8th grade STAAR exam scores into 4 levels of increasing competence:

DID NOT MEET GRADE LEVEL

APPROACHES GRADE LEVEL

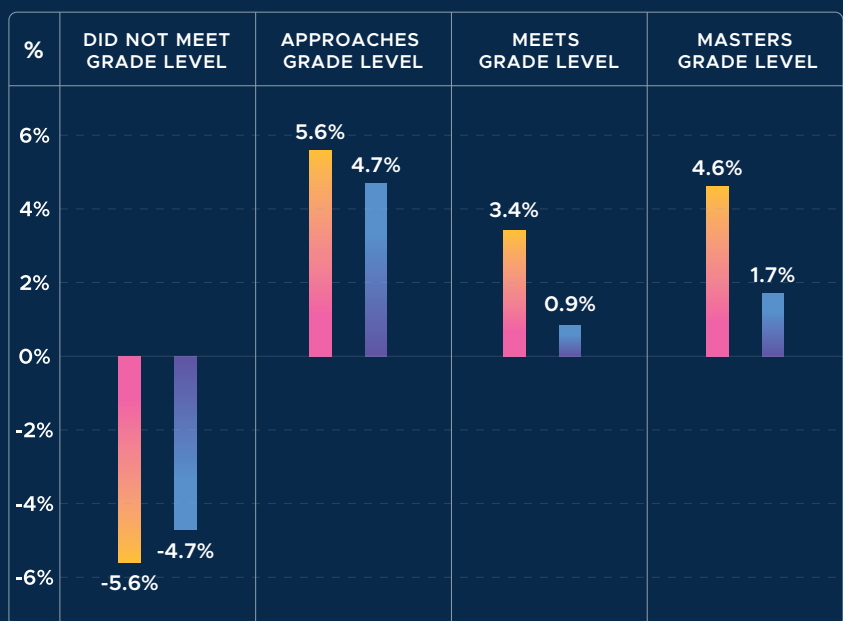
MEETS GRADE LEVEL

MASTERS GRADE LEVEL

Relative to Non-Legends Schools, Legends Schools significantly decreased the number of students in the Did Not Meet Grade Level category, which resulted in a mirrored large rise in the Approaches Grade Level scores.

Furthermore, Legends Schools had significantly greater increases in Meets Grade Level and Masters Grade Level performance – 3.8x and 2.7x more growth, respectively in these categories.

PERFORMANCE ON 2018-2019 STAAR COMPARED TO PRIOR TWO YEARS



● TX School Using Legends

● TX School Not Using Legends