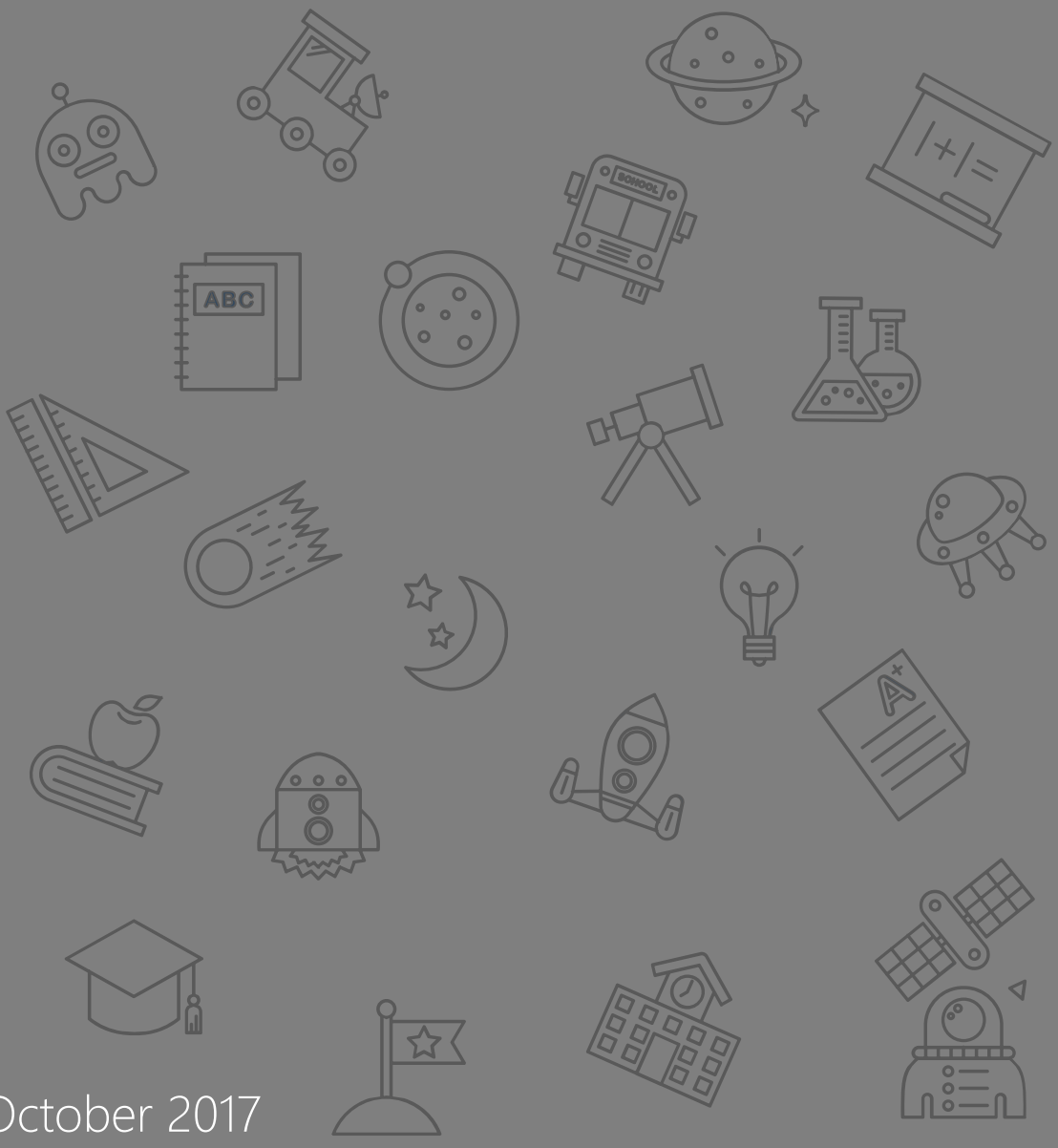
Improving Student Achievement with

EDUCATION GALAXY

Evidence from the State of Texas Assessment of Academic Readiness



October 2017

EDUCATION GALAXY

Introduction

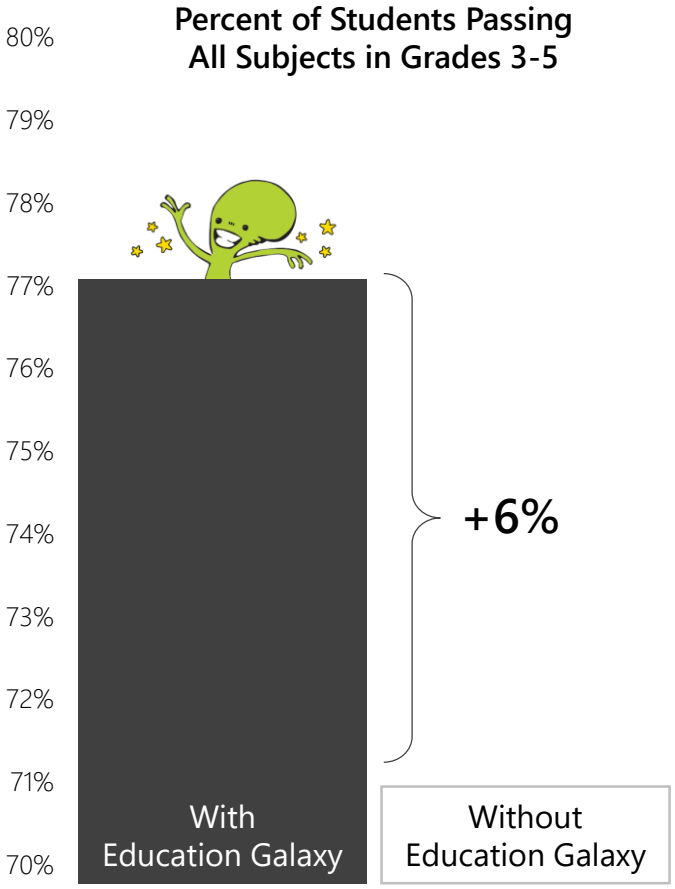
The purpose of this report is to compare how campuses that utilized Education Galaxy programs performed on the State of Texas Assessment of Academic Readiness (STAAR), versus campuses that did not use Education Galaxy. The data presented in this report is based on the results from the Spring 2017 administration of the STAAR assessments.

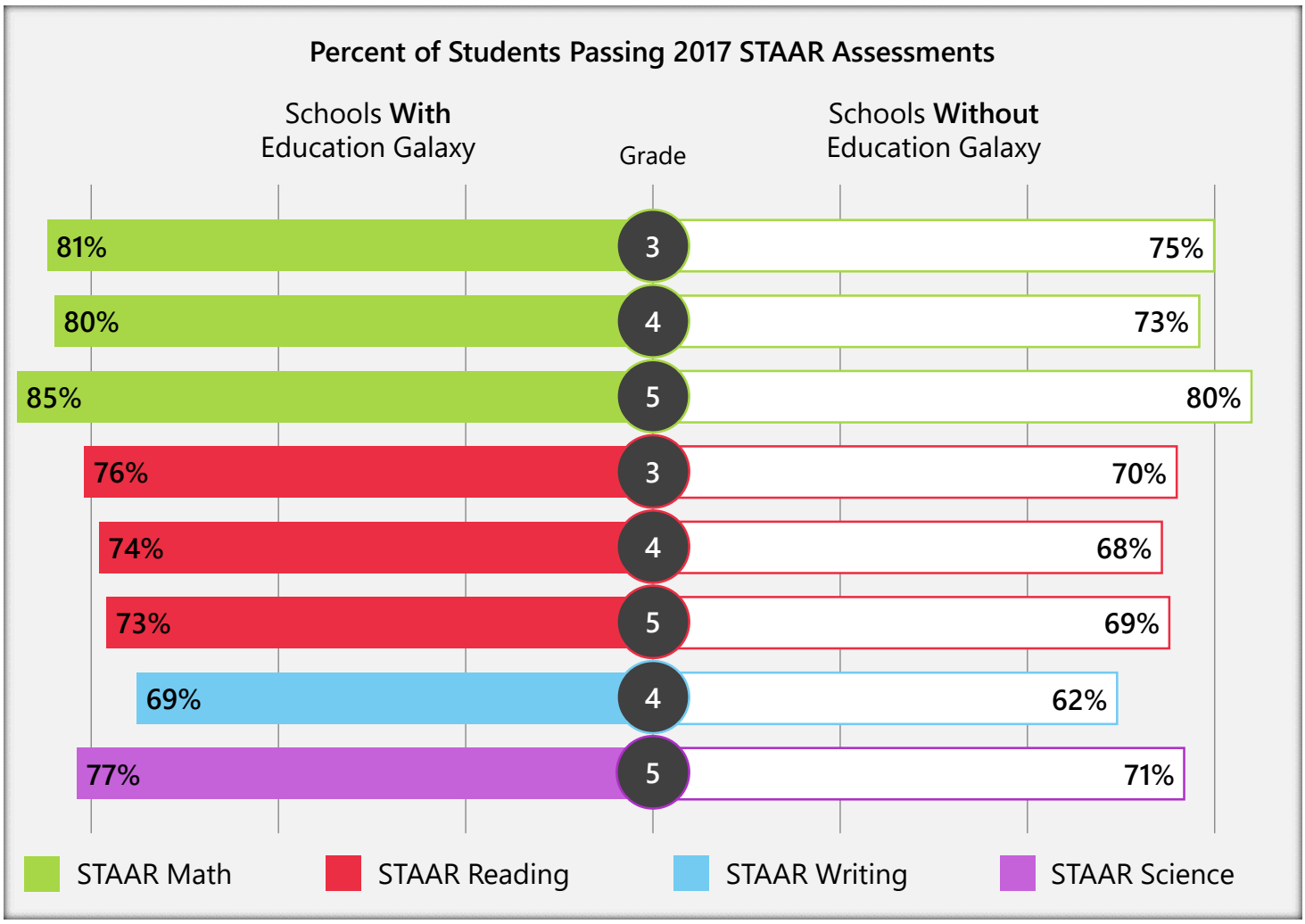
Qualification of Education Galaxy School

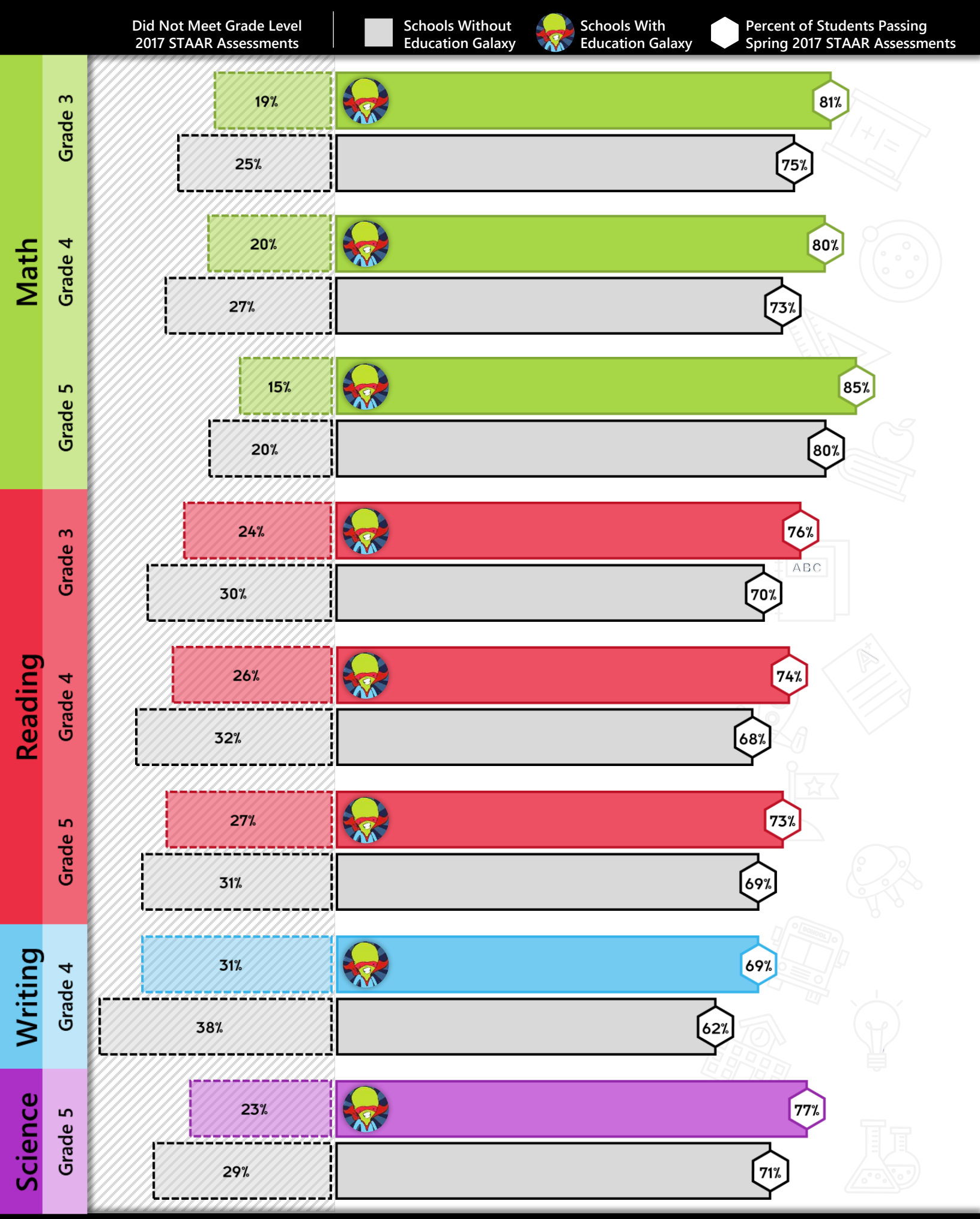
To be considered a school "With Education Galaxy" in this report, the school must have used Education Galaxy or Liftoff on their campus, and the students collectively must have answered at least 100,000 practice questions within Education Galaxy programs.

Demographic Comparison

To validate the findings as a fair comparison, the number of students from three significant sub-populations were measured from the schools with and without Education Galaxy. The sub-groups included were economic disadvantaged, ESL, and At-Risk. Each category showed less than a 1% difference between the schools with and without Education Galaxy.






Did Not Meet Grade Level
2017 STAAR Assessments
Schools Without
Education Galaxy
Schools With
Education Galaxy
Percent of Students Passing
Spring 2017 STAAR Assessments
Math
Grade 3
19%
81%
25%
75%
Grade 4
20%
80%
27%
73%
Grade 5
15%
85%
20%
80%
Reading
Grade 3
24%
76%
30%
70%
Grade 4
26%
74%
32%
68%
Grade 5
27%
73%
31%
69%
Writing
Grade 4
31%
69%
38%
62%
Science
Grade 5
23%
77%
29%
71%

Raw Data Comparison Tables

Math	% Did not Meet			% Approaches			% Meets			% Masters		
3	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State
All	**25%**	**19%**	**24%**	**75%**	**81%**	**76%**	**46%**	**54%**	**48%**	**24%**	**29%**	**25%**
At-Risk	-	28%	35%	-	72%	65%	-	41%	33%	-	20%	15%
Econ Dis	-	23%	30%	-	77%	70%	-	47%	38%	-	23%	18%
ESL	-	24%	30%	-	76%	70%	-	45%	40%	-	23%	19%
4	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State
All	**27%**	**20%**	**25%**	**73%**	**80%**	**75%**	**43%**	**51%**	**46%**	**25%**	**30%**	**27%**
At-Risk	-	34%	42%	-	66%	58%	-	33%	27%	-	16%	12%
Econ Dis	-	25%	32%	-	75%	68%	-	43%	36%	-	23%	19%
ESL	-	31%	36%	-	69%	64%	-	36%	32%	-	18%	16%
5	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State
All	**20%**	**15%**	**19%**	**80%**	**85%**	**81%**	**46%**	**53%**	**48%**	**22%**	**25%**	**24%**
At-Risk	-	26%	32%	-	74%	68%	-	32%	27%	-	10%	9%
Econ Dis	-	18%	25%	-	82%	75%	-	46%	38%	-	19%	16%
ESL	-	28%	31%	-	72%	69%	-	29%	30%	-	10%	11%

Reading	% Did not Meet			% Approaches			% Meets			% Masters		
3	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State
All	**30%**	**24%**	**28%**	**70%**	**76%**	**72%**	**42%**	**47%**	**45%**	**27%**	**31%**	**29%**
At-Risk	-	38%	43%	-	62%	57%	-	29%	26%	-	16%	14%
Econ Dis	-	31%	37%	-	69%	63%	-	38%	33%	-	22%	19%
ESL	-	34%	39%	-	66%	61%	-	34%	32%	-	20%	18%
4	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State
All	**32%**	**26%**	**30%**	**68%**	**74%**	**70%**	**41%**	**47%**	**43%**	**22%**	**26%**	**24%**
At-Risk	-	46%	52%	-	54%	48%	-	24%	19%	-	9%	8%
Econ Dis	-	34%	40%	-	66%	60%	-	37%	32%	-	18%	15%
ESL	-	44%	48%	-	56%	52%	-	24%	23%	-	9%	9%
5	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State
All	**31%**	**27%**	**29%**	**69%**	**73%**	**71%**	**43%**	**47%**	**45%**	**23%**	**25%**	**25%**
At-Risk	-	45%	49%	-	55%	51%	-	23%	21%	-	9%	8%
Econ Dis	-	33%	38%	-	67%	62%	-	38%	33%	-	18%	16%
ESL	-	48%	51%	-	52%	49%	-	20%	20%	-	8%	7%

Writing	% Did not Meet			% Approaches			% Meets			% Masters		
4	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State
All	**38%**	**31%**	**37%**	**62%**	**69%**	**63%**	**31%**	**37%**	**32%**	**9%**	**11%**	**10%**
At-Risk	-	50%	59%	-	50%	41%	-	18%	13%	-	4%	2%
Econ Dis	-	38%	46%	-	62%	54%	-	29%	23%	-	7%	5%
ESL	-	48%	55%	-	52%	45%	-	18%	15%	-	3%	3%

Science	% Did not Meet			% Approaches			% Meets			% Masters		
5	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State	W/O EG	W/ EG	State
All	**29%**	**23%**	**27%**	**71%**	**77%**	**73%**	**38%**	**44%**	**41%**	**16%**	**19%**	**17%**
At-Risk	-	38%	44%	-	62%	56%	-	25%	20%	-	8%	6%
Econ Dis	-	28%	35%	-	72%	65%	-	38%	30%	-	15%	11%
ESL	-	46%	48%	-	54%	52%	-	18%	19%	-	7%	6%

Conclusion

About Education Galaxy

As of October 2017, more than 12% of the elementary schools in the state of Texas utilize Education Galaxy. Education Galaxy programs provide highly-engaging learning solutions built from the ground up to support the TEKS and match the rigor of STAAR. Education Galaxy offers solutions for students in grades K-5. The following programs are offered through Education Galaxy:

Education Galaxy

Education Galaxy provides award-winning online assessment for students to help prepare them for STAAR testing. Education Galaxy is built 100% to TEKS and provides a highly-engaging and amazingly effective way for students to master all their state standards. Education Galaxy is a great tier 1 solution for practice, instruction, and assessment. Education Galaxy supports math, reading, writing, and science.

LIFTOFF: Adaptive Intervention

Liftoff is designed for struggling learners and at-risk students. Liftoff will build confidence for your students and provide the support and instruction they need to improve. First, students take an adaptive diagnostic test to determine their level on a variety of skills. Once their level is determined, students work at that level and quickly elevate to more difficult concepts until they reach grade-level mastery. Liftoff supports math and reading

Summary of Results

The results of this study overwhelmingly show that schools that have and utilize Education Galaxy programs are more likely to perform higher on state testing than schools that do not utilize Education Galaxy. Every tested subject for every tested grade showed significant gains on percent of students passing. Gains ranged from a 4 to 7 higher passing percentage for each subject measured. Overall, schools using Education Galaxy saw a 6 point increase in passing percentages.

It should always be noted with any study like this that great teachers and strong campus leadership are the most influential factors for earning high achievement scores on state testing. Education Galaxy programs are supplemental and provide additional valuable resources to a school's existing structure.

References

Texas Education Agency. (2017). STAAR Raw Score Conversion Tables for 2016-2017. Austin, Texas. Retrieved from https://tea.texas.gov/Student_Testing_and_Accountability/Testing/State_of_Texas_Assessments_of_Academic_Readiness_(STAAR)/STAAR_Raw_Score_Conversion_Tables_for_2016-2017/

Texas Assessment Management System. (2017). Data Interaction for Texas Student Assessments. Austin, Texas. Retrieved from https://txreports.emetric.net/