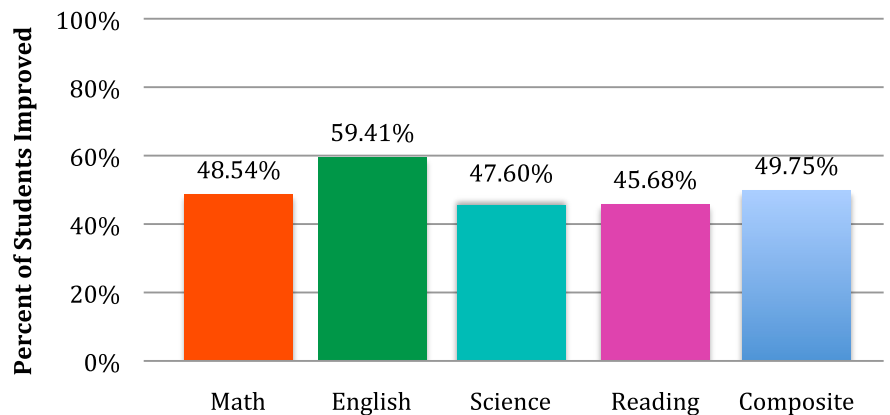


2019-20 ACT Pilot Study Results

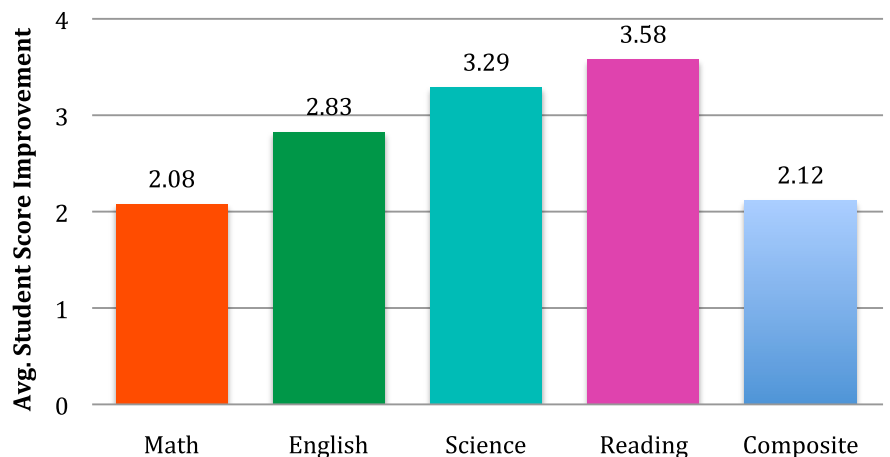
Twenty-two schools were selected for inclusion in the pilot program based on a random selection process among all public schools in Mississippi that applied for funding and inclusion in the program. In total, while all schools in the state were encouraged to apply, 104 schools submitted an application representing an estimated 13,061 Juniors.

The selected 22 school applications totaled 2,884 Juniors to receive the Jumpstart ACT science and reading reviews prior to the state administered February 2020 ACT exam, provided to all Mississippi junior students. Four schools also optionally implemented the math and English reviews. February ACT Scores achieved following the Jumpstart implementation were compared against actual ACT prior attempts for all students with at least 1 prior attempt. In the case of multiple prior attempts, the best prior attempt was used for comparison.

% of Students Improved, By Subject Area



Avg. Score Improvement, By Subject Area



Key Conclusions

The pilot of the Jumpstart Test Prep complete ACT review at 22 Mississippi Public High Schools led to substantial improvements in ACT exam scores. **Gains were shared across gender, ethnicity and school quality factors and implementation of the program reduced subject level end-of-course graduation requirement risks by 15% to 48%.**

Rigorous aggregate level t-tests in which pre- to post- score changes are assessed demonstrated that all four subject areas and the composite average saw statistically significant positive score changes at the critical p-value of .05. **This threshold effectively gives us 95% confidence that the results observed in this sample would generalize to the population of interest (i.e., all High School Juniors).** - Jake Hoskins, PhD.

PERCENTAGE OF STUDENTS IMPROVING & AVERAGE POINTS IMPROVED

School	Math	English	Science	Reading	Composite
Baldwyn	---	---	36.36% +2.69pts	40.91% +2.83pts	40.91% +2.17pts
Bay Springs	---	---	61.54% +3.54pts	50.00% +3.77pts	61.54% +2.50pts
Canton	47.10% +2.00	60.65% +2.85pts	45.81% +3.07pts	49.03% +2.91pts	54.84% +1.80pts
Charleston	---	---	54.55% +3.67pts	26.47% +3.33pts	36.36% +2.00pts
DeSoto*	---	---	56.02% +3.34pts	55.76% +4.10pts	65.66% +2.46pts
Enterprise	37.21% +2.19pts	44.19% +2.26pts	41.86% +2.78pts	41.86% +1.83pts	37.21% +1.50pts
Forrest County	---	---	39.39% +3.23pts	39.39% +3.49pts	45.45% +2.16pts
Forrest Hill	---	---	50.85% +3.18pts	40.68% +3.06pts	41.53% +1.73pts
Franklin County	---	---	52.11% +3.57pts	50.70% +3.33pts	53.52% +2.00pts
Lumberton	70.37% +2.32pts	62.96% +2.47pts	51.85% +3.07pts	51.85% +5.00pts	59.26% +2.44pts
Okolona	57.14% +2.00pts	85.71% +4.08pts	42.86% +2.67pts	71.43% +3.90pts	66.67% +2.40pts
Pearl	---	---	45.71% +3.28pts	46.96% +3.66pts	48.98% +2.00pts
Ray Brooks	---	---	38.46% +4.00pts	38.46% +2.80pts	23.08% +2.00pts
Shaw	---	---	70.00% +3.50pts	55.00% +4.09pts	70.00% +2.07pts
South Pike **	---	---	---	---	---
Starkville *	---	---	37.39% +3.88pts	36.52% +4.31pts	41.74% +2.44pts
Sumrall	---	---	53.85% +3.22pts	47.78% +4.02pts	47.25% +2.30pts
Vardaman	---	---	42.31% +2.36pts	26.92% +3.29pts	34.62% +2.00pts
Vicksburg **	---	---	---	---	---
West Bolivar	---	---	40.00% +5.50pts	60.00% +2.33pts	20.00% +1.00pts
West Harrison ***	---	---	---	---	---
West Tallahatchie****	---	---	---	42.11% +4.38pts	47.37 +2.11pts

* A significant number of students did not receive the test prep in its entirety as planned; however, we still included these students with sub-par implementation in our final results to be as conservative as possible in our estimates.

** Have not yet reported test results, at the time of this writing.

*** Did not administer test on February 25th and then closed due to COVID-19.

****West Tallahatchie adopted Science prep but failed to implement the vast majority of its content due to unexpected scheduling constraints.