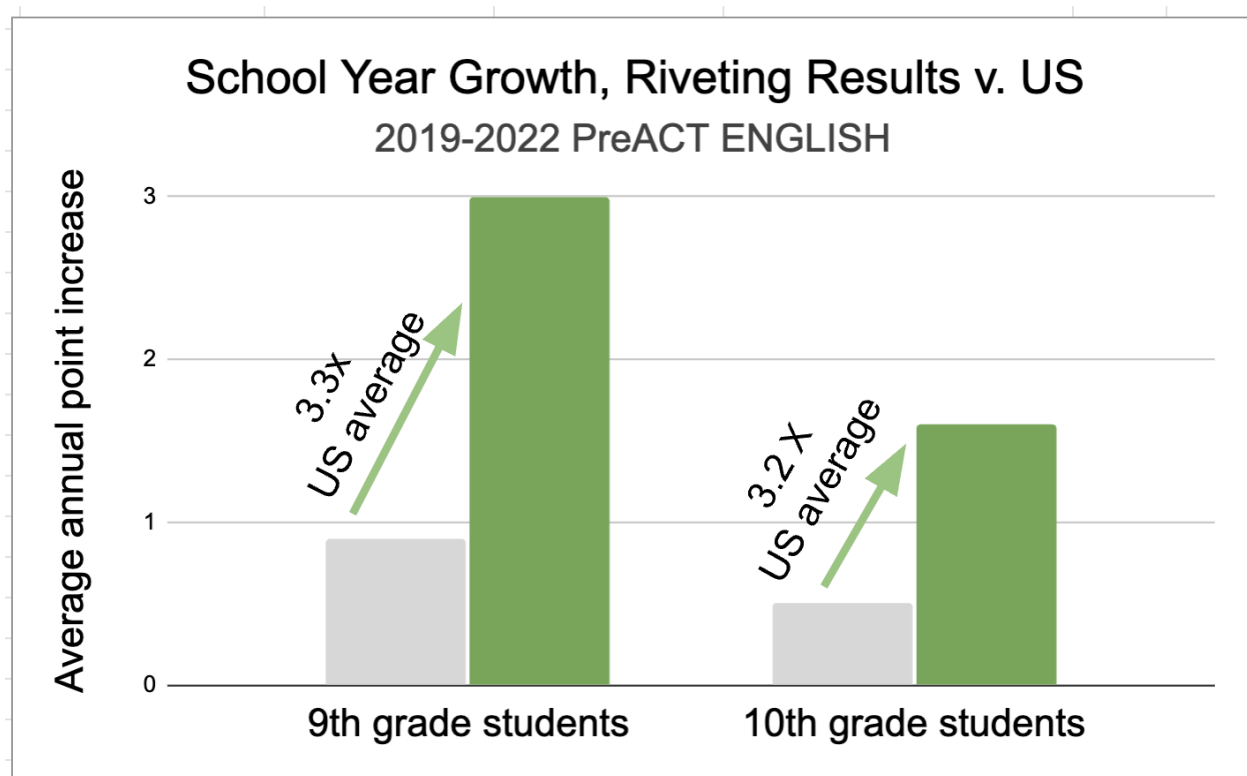


Summary of Riveting Results 2019-2022 Study

The chart below summarizes the results of a study done by Ed Moscovitch, economist, based on an implementation of Riveting Results in 9th and 10th grade at Aug Prep in Milwaukee, Wisconsin. Dr. Moscovitch analyzed how PreACT scores changed through ninth and tenth grade for all of the students at Aug Prep. He then compared those changes to the average changes on those same tests for students throughout the country.

As you can see below, he found that the students at Aug Prep, (98% Latino, 92% qualifying for free or reduced meals) grew significantly more quickly than students nationally before and during the pandemic.

For detail on the results of Dr. Moscovitch's full study, please see pages 2-4 below.



To: Arthur Unobskey
From: Ed Moscovitch, Ph.D.
Subject: Analysis of Augustine Prep 9th & 10th Grade Pre-ACT scores
Date: May 13, 2023

I've done an analysis of pre-ACT scores of Augustine Prep (Milwaukee) 9th and 10th graders working with Riveting Results. The analysis covers students who graduated – or will graduate – from Augustine Prep in the spring of years 2022, 2023, 2024, and 2025. The class of 2022 started high school in the fall of 2018; the pandemic broke out in late winter of their 10th grade year, so there are no test results for that year. There are similar holes in the data for the classes of 2023 and 2024.

I compared the Augustine Prep scores with a large national sample of pre-ACT test results published in the Pre-Act Manual. This sample included roughly 11,000 9th graders and 176,000 10th graders. I've included both English and Reading sections of the pre-ACT test.

I think the most powerful way to look at the performance of any given school is to look not at overall scores, which are heavily influenced by where the students were when they entered that school, but at how the school moved students from where they actually started. In this case, I looked at the change in a particular cohort of Augustine Prep students (as, for example, they moved from fall to spring of their 9th grade year) and compared that change (I like to think of this as student growth) with the identical change in the scores of the students in the national sample.

In most cases, the Augustine prep students had much greater growth than the national sample. From the fall of 9th grade to winter of 10th grade, for example, Augustine Prep scores on the English section of the pre-Act rose from 9.2 at the beginning of 9th grade to 15.3 in the winter of 10th grade (there was no spring test in 10th grade because of the pandemic). This increase – 6.1 points compared to an increase in the national sample of only 1.9 points. Put another way, the Augustine Prep students showed growth that was 330% of national growth.

This very high growth is typical of what I observed in most (but not all) of the periods we've looked at. In some cases, the Augustine Prep was almost 6 times (600%) of the national growth; in only 3 comparisons (out of 18) was the Augustine growth less than the national sample; in one it was only 110%; in 3 it was between 150% and 180% of the national sample growth, and in the remaining 10, the Augustine growth rate was between 2 ½ times and 6 ½ times the national sample.

We have data for 2 tests (English and Reading) taken by students in 4 classes, and we've looked separately at 3 different periods (spring to fall in 9th grade, spring to

fall (or winter) in 10th grade, and fall of 9th grade to winter of 10th grade. All in all, this is far too much data to describe with text.

I've included below a table that summarizes my analysis. On the left-hand side of the table I've recorded the average scores (both of Augustine students and the national sample; on the right-hand side I've calculated the student growth – both in absolute terms (it went up 6.1 points, as in the example above) and that this was 330% (3.3 times) the growth shown in the national sample.

Ed Moscovitch

Augustine Gain in Act Scores using Riveting Results																				
Measured against average results of large national ACT sample																				
											Gain									
		Average Scores, Pre-Act								9th - Summer/Fall to				10th -Fall to				9th Fall to		
		9th Grade					10th Grade				Winter	RivR %	Spring	RivR %	Winter	RivR %	Spring	RivR %	10th W	RivR %
	Students	Summer	Fall	Winter	Spring		Summer	Fall	Winter	Spring	Ch	RivR % of Natl	Ch	RivR % of Natl	Ch	RivR % of Natl	Ch	RivR % of Natl	Ch	RivR % of Natl
English	10th:																			
National Sample	11,000	15.4	15.4	16.0	16.5		16.7	16.8	17.3	17.7	0.5		1.1		0.4		0.9		1.9	
Class of 2022	69	9.2			13.8			13.3	15.3				4.6	420%	2.0	450%			6.1	330%
Class of 2023	68		10.5	14.2							3.7	670%								
Class of 2024	89							13.2	14.4	13.0					1.2	270%	-0.2	-20%		
Class of 2025	105		10.8		11.5			12.4	14.1				0.7	60%	1.7	380%			3.3	180%
Reading	9th:																			
National Sample	176,100	17.4	17.4	17.9	18.4		19.0	19.6	20.0	20.3	0.5		1.0		0.4		0.7		2.6	
Class of 2022		12.8			15.8			15.1	16.8				3.0	300%	1.7	490%			4.0	160%
Class of 2023			14.0	17.0							3.0	590%								
Class of 2024								17.2	18.3	17.9					1.1	330%	0.7	110%		
Class of 2025			14.9		16.4			14.7	17.0				1.5	150%	2.3	660%			2.1	80%