

Analysis of Colorado's 2022 NAEP Results

	NAEP Reading Proficient/Advanced	CMAS ELA Meets/Exceeds		NAEP Math Proficient/Advanced	CMAS Math Meets/Exceeds
4 th Grade	38%	44%		36%	31%
8 th Grade	34%	44%		28%	32%

- This table shows the "Honesty Gap". Historically, state assessments overstated the percentage of students who were deemed proficient relative to NAEP. For Colorado, this looks to be a more serious problem in reading compared to math (4th grade math actually has fewer meeting or exceeding in math than scoring proficient or advanced on NAEP).

NAEP 8th Grade Reading Change from 2011

	Colorado Avg Score	Nation Avg Score	Colorado - Nation
2011	271	264	+7
2022	263	259	+4
Change	(8) (.21 Std Dev)	(5)	(3)

- Over the past decade, Colorado's 8th Grade Reading score has declined both absolutely and relative to the national average score. Across a range of summative assessments, the average gain from 7th to 8th grade is .26 standard deviations. So the decline in Colorado's 8th grade NAEP Reading score is equal to about a year of learning.

NAEP 8th Grade Math Change from 2011

	Colorado Avg Score	Nation Avg Score	Colorado - Nation
2011	292	283	+9
2022	275	273	+2
Change	(17) (.44 Std Dev)	(10)	(7)

- Over the past decade, Colorado's 8th Grade Math score has declined both absolutely and relative to the national average score. Colorado's decline. Across a range of summative assessments, the average gain from 7th to 8th grade is .32 standard deviations. So the decline in Colorado's 8th grade NAEP Math score is equal to about one and a third years of learning.