

NAEP 2015 Mathematics and Reading Results

NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

Kim Ackermann

Texas NAEP State Coordinator

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What is NAEP?

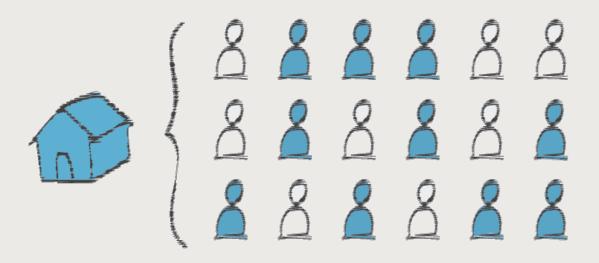


- The National Assessment of Educational Progress (NAEP) is the largest continuing and nationally representative assessment of what our nation's students know and can do in core subjects.
- A survey designed to produce national, state, and select urban district level results.
 - NAEP results are for populations of students, not for individual students nor schools.
 - Measures student performance nationally and reports changes over time.
 - Allows comparisons between states and the nation.

NAEP Sample Sizes



- The results from the 2015 mathematics assessment are based on representative samples.
 - 139,900 fourth-grade students from 7,810 schools
 - » 11,300 Texas 4th graders in 480 schools
 - 136,900 eighth-grade students from 6,150 schools
 - » 11,500 Texas 8th graders in 380 schools



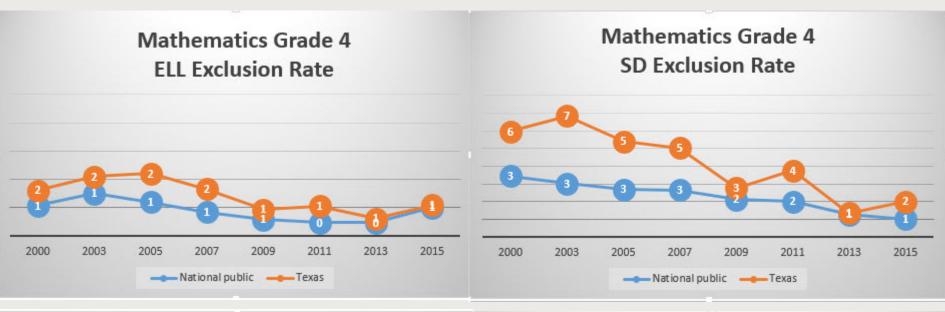
NAEP Administration

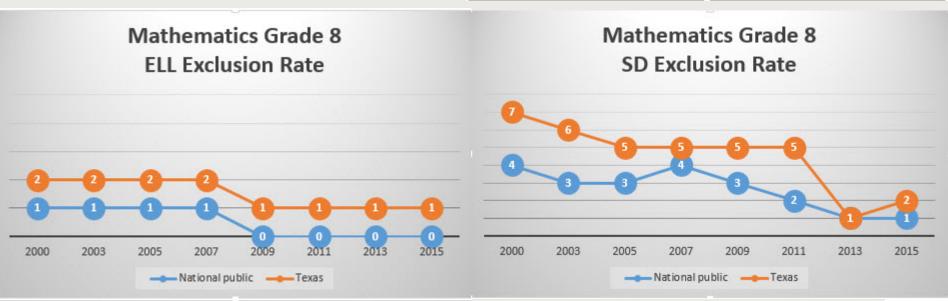


- NAEP is administered over a six-week period.
 - For 2015: January 26th March 6th
 - Each student is only assessed in one subject area.
 - Students only take a small portion of the assessment.
 - Accommodations are provided as necessary for students with disabilities and English language learners.

Mathematics Exclusion Rates

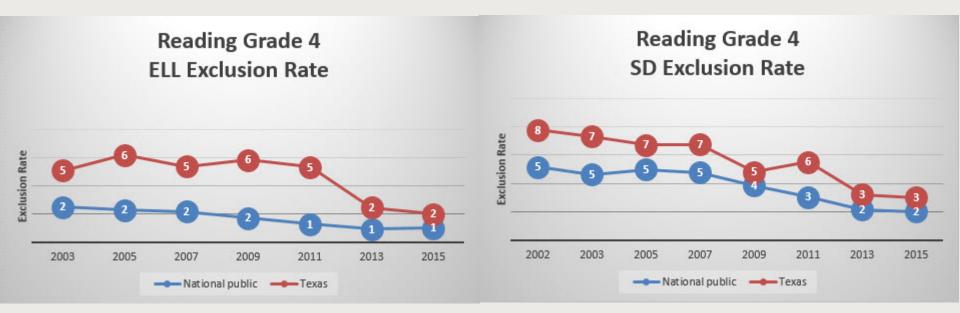


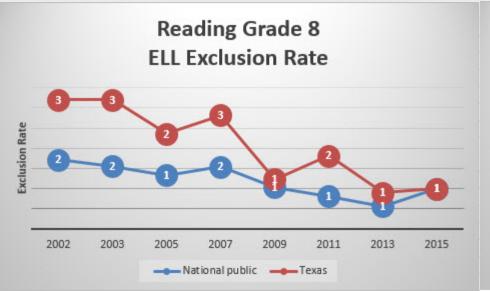


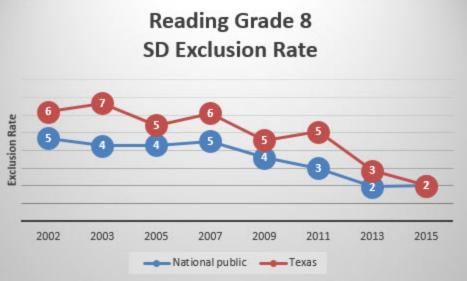


Reading Exclusion Rates









NAEP Results



- The results of NAEP are released as The Nation's Report Card.
 - The report card provides national, state, and district-level results, results for different demographic groups, inclusion information, and sample questions.



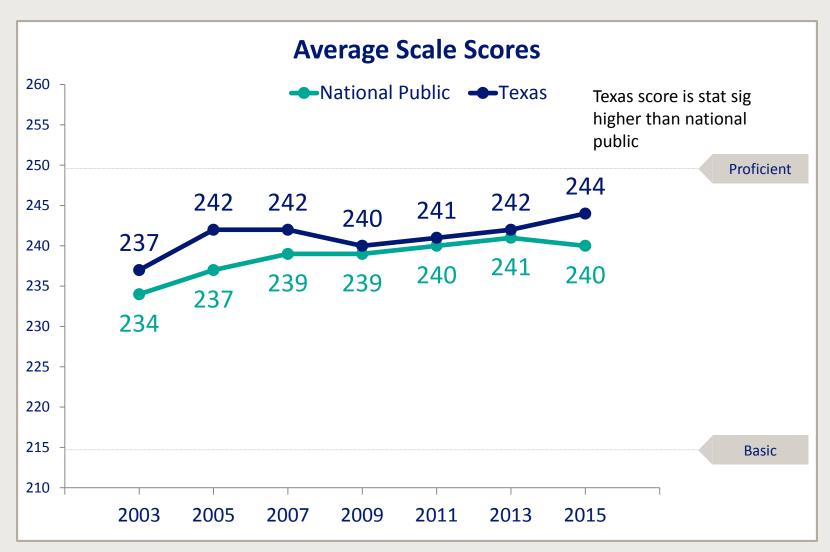
- NAEP Results are reported in two formats
 - Average Scale Scores
 - » Numeric scale
 - » 0 − 500 on mathematics and reading assessments
 - » Scores cannot be compared across content areas
 - Achievement Levels
 - » Categorical scale
 - » Below Basic, Basic, Proficient, Advanced

Grade 4
Mathematics
Results



Grade 4 Mathematics Results





NOTE: Observed differences are not necessarily statistically significant.

Grade 4 Mathematics Results



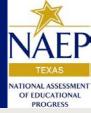
Texas rank overall - 11th

2013 - 27th

Ethnicity								
Year	Jurisdiction	White	African American	Hispanic	Asian/Pacific Island	American Indian		
2015	National Public	248	224	230	256	228		
	Texas	2551 (4th)	2331 (2nd)*	239¹ (4th)	271¹	+		
2013	National Public	250	224	230	258	228		
	Texas	255 (6th)	231 (5th)	235 (14th)	272	+		
¹ Statistically significantly higher than 2015 national public								
‡ Reporting s	‡ Reporting standards not met.							
* Second to the DOD (Department of Defense Schools)								



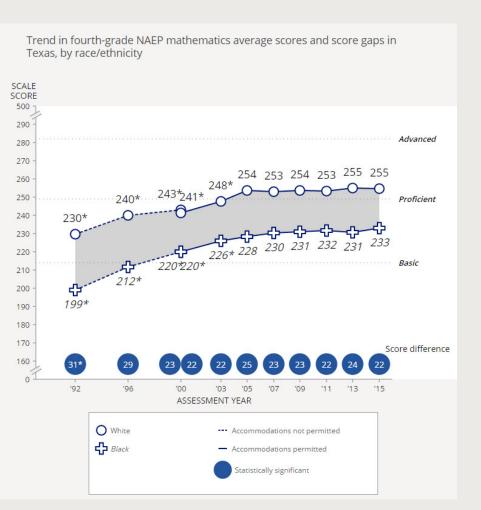
Grade 4 Mathematics Results

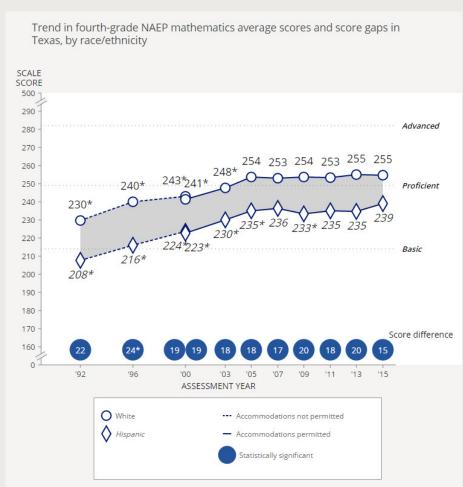




Grade 4 Mathematics Score Gaps





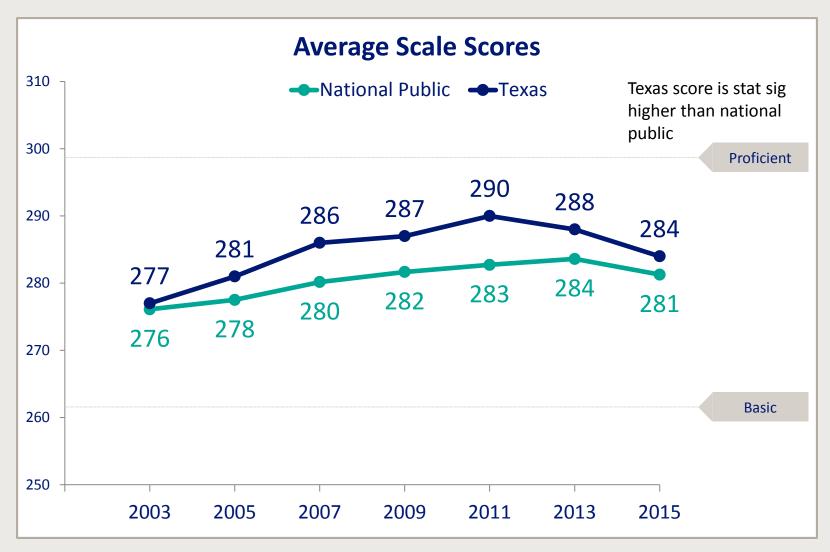


Grade 8
Mathematics
Results



Grade 8 Mathematics Results





NOTE: Observed differences are not necessarily statistically significant.



Grade 8 Mathematics Results



Texas rank overall – 23rd 2013 – 16th

Ethnicity								
Year	Jurisdiction	White	African American	Hispanic	Asian/Pacific Island	American Indian		
2015	National Public	291	260	269	305	267		
	Texas	298¹ (6th)	267¹ (6th)	277¹ (4th)	312	‡		
2013	National Public	293	263	271	306	270		
	Texas	300 (5th)	273 (4th)	281 (4th)	319	#		
¹ Statistically	¹ Statistically significantly higher than 2015 national public							
‡ Reporting s	Reporting standards not met.							



Grade 8 Mathematics Results

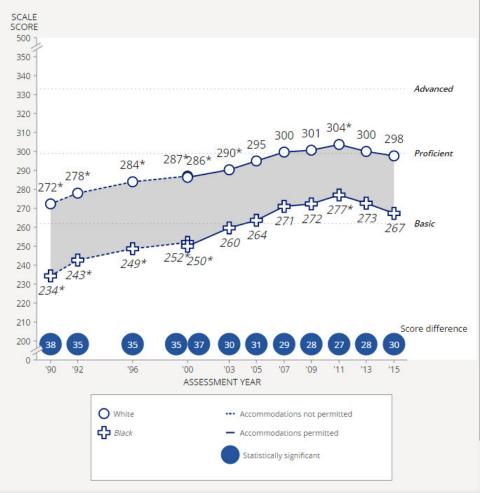




Grade 8 Mathematics Score Gaps













Summary



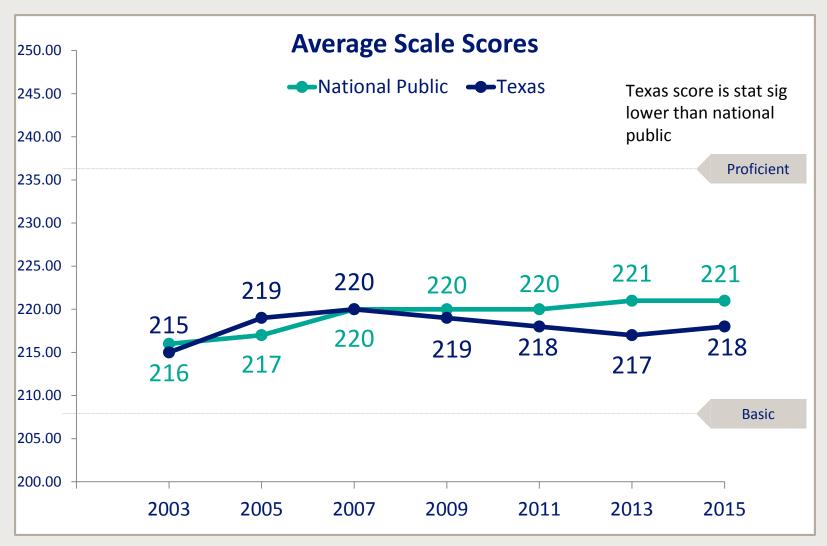
Change in average mathematics scores between 2013 and 2015 for public school students, by state/jurisdiction					
	GRADE 4		GRADE 4		
	Score increase	No change in scores	Score decrease		
GRADE 8 Score increase		Grade 4			
ORADE 8 No change in scores	District of Columbia Mississippi DoDEA	Alabama Alaska Arizona California Illinois Indiana Iowa Michigan Missouri Nebraska New Jersey New Mexico Oklahoma Oregon Tennessee Utah Virginia Wisconsin Wyoming	Arkansas Connecticut Georgia Hawaii Minnesota Montana New Hampshire New York		
GRADE 8 Score decrease		Florida Idaho Kentucky Louisiana Massachusetts Nevada North Carolina Ohio Pennsylvania South Carolina South Dakota Texas Washington West Virginia	Nation (public) Colorado Delaware Kansas Maine Maryland North Dakota Rhode Island Vermont		

Grade 4
Reading
Results



Grade 4 Reading Results





NOTE: Observed differences are not necessarily statistically significant.



Grade 4 Reading Results



Texas rank overall – 40th

2013 – 41st

Ethnicity						
Year	Jurisdiction	White	African American	Hispanic	Asian/Pacifi c Island	American Indian
2015	National Public	232	206	208	238	206
	Texas	235 (12th)	205 (23rd)	210 (23rd)	248	#
2013	National Public	231	205	207	235	206
	Texas	233 (12th)	209 (14th)	206 (35th)	252	‡
‡ Reporting standards not met.						



Grade 4 Reading Results

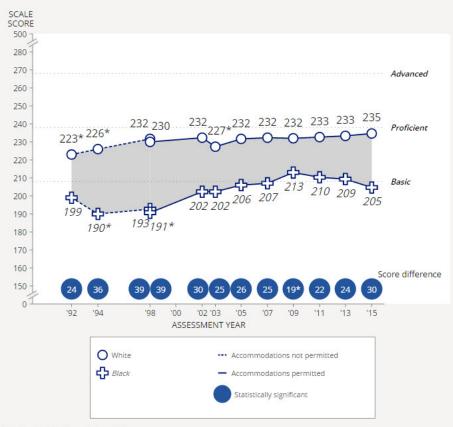




Grade 4 Reading Score Gaps



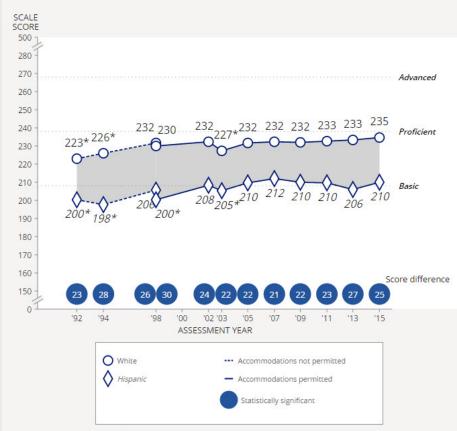




^{*} Significantly different (p < .05) from 2015.

NOTE: Results are not shown for data points where the state/jurisdiction did not participate or did not meet the minimum participation guidelines for reporting. Prior to 2003, state participation in the NAEP mathematics and reading assessments was voluntary. See more information about the history of state participation at https://nces.ed.gov/nationsreportcard/about/state.aspx.

Trend in fourth-grade NAEP reading average scores and score gaps in Texas, by race/ethnicity



^{*} Significantly different (p < .05) from 2015.

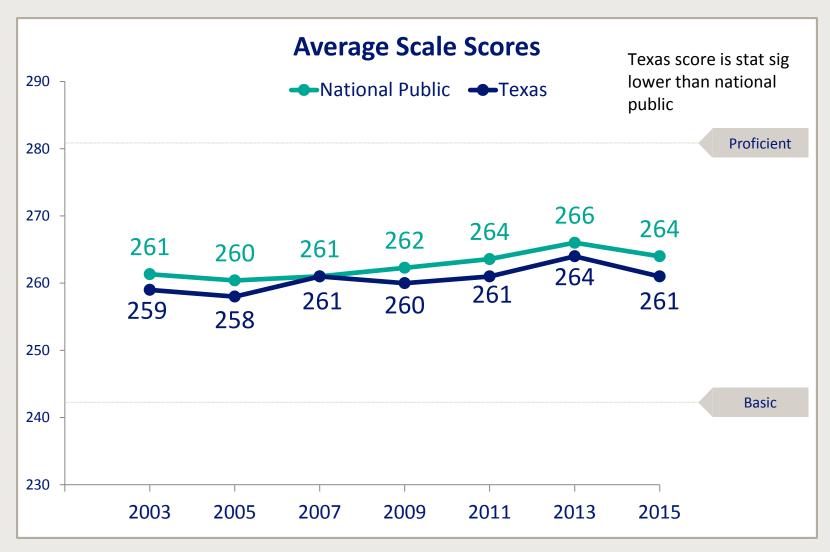
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Grade 8
Reading
Results



Grade 8 Reading Results

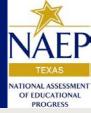




NOTE: Observed differences are not necessarily statistically significant.



Grade 8 Reading Results



Texas rank overall – 39th

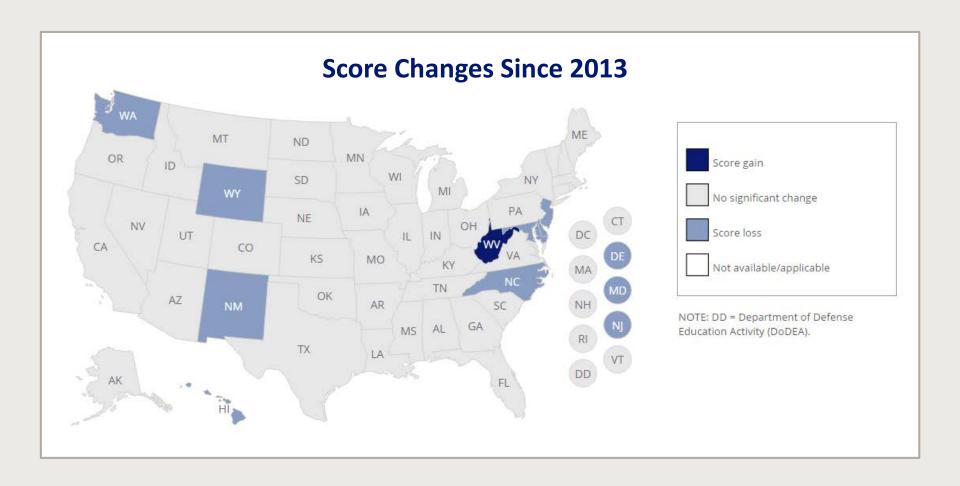
2013 - 38th

Ethnicity								
			African		Asian/Pacific	NAME OF TAXABLE PARTY.		
Year	Jurisdiction	White	American	Hispanic	Island	Indian		
2015	National Public	273	247	253	279	253		
	Texas	274 (21st)	251 (9th)	252 (35th)	283	#		
2013	National Public	275	250	255	279	252		
	Texas	279 (9th)	253 (14th)	255 (29th)	285	‡		
‡ Reporting standards not met.								



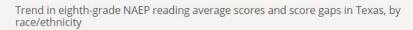
Grade 8 Reading Results





Grade 8 Reading Score Gaps







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Reading Summary



Change in average r	reading scores between	n 2013 and 2015 fo	r public school	students, by	state/jurisdiction

	GRADE 4	GRADE 4	GRADE 4
	Score increase	No change in scores	Score decrease
		Grade 4	
GRADE 8 Score increase		West Virginia	·
No change in scores	Alaska District of Columbia Kentucky Louisiana Mississippi Nebraska Oklahoma Rhode Island South Carolina Utah Vermont	Alabama Arizona Arkansas California Colorado Connecticut Florida Georgia Idaho Illinois Indiana Iowa Kansas Maine Massachusetts Michigan Missouri Montana Nevada New Hampshire New York North Dakota Ohio Oregon Pennsylvania South Dakota Tennessee Texas Virginia Wisconsin DoDEA	Minnesota
GRADE 8 Score decrease	North Carolina Wyoming	Nation (public) Delaware Hawaii New Jersey New Mexico Washington	Maryland

National Takeaways



- Results descried as "historic"
- First time in NAEP history, 3 out of the 4 grade/subject combinations declined
- First decline in mathematics results since
 1990
- Performed extensive quality control analysis to ensure data validity

Trial Urban District Assessment (TUDA) Results



The Trial Urban District Assessment (TUDA) is designed to explore the feasibility of using National Assessment of Educational Progress (NAEP) to report on the performance of public school students at the district level.



Trial Urban District Assessment (TUDA) Mathematics



Change in average mathematics scores between 2013 and 2015 for public school students, by participating district						
	GRADE 4	GRADE 4	GRADE 4			
	^	*	4			
	Score increase	No change in scores	Score decrease			
		Grade 4				
GRADE 8	•	Chicago	•			
1						
Score increase						
GRADE 8 No change in scores	District of Columbia (DCPS) Miami-Dade	Large City Austin Boston Charlotte Cleveland Detroit Fresno Jefferson County (KY)	Albuquerque Atlanta Baltimore City Los Angeles New York City Philadelphia San Diego			
GRADE 8 Score decrease	Dallas	Hillsborough County (FL) Houston	Nation (public)			

NOTE: A blank cell indicates that no district fell within that category.

Trial Urban District Assessment (TUDA) Reading



Change in average reading scores between 2013 and 2015 for public school students, by participating district					
GRADE 4	i.	GRADE 4	GRADE 4		
5	core increase	No change in scores	Score decrease		
	eore intereuse	Grade 4			
GRADE 8 Score increase		Miami-Dade			
Rostor Services No change in scores Bostor Chicago Clevel District Chicago C	go	Large City Atlanta Austin Charlotte Dallas Detroit Fresno Houston Jefferson County (KY) Los Angeles New York City Philadelphia San Diego			
GRADE 8 Score decrease		Nation (public) Albuquerque Hillsborough County (FL)	Baltimore City		