

MEMORANDUM

December 18, 2013

TO: Houston ISD Board of Education

FROM: Daniel Gohl
Chief Academic Officer

SUBJECT: **HOUSTON ISD PERFORMANCE ON THE 2013 NAEP ASSESSMENT**

CONTACT: Daniel Gohl, 713-556-6024

Because HISD is a district committed to evaluating and improving our practices, we voluntarily participate in what is known as the Nation's Report Card – a survey of 21 large urban districts across the nation. The National Assessment of Educational Progress (NAEP) compares student performance using a scale score at the fourth- and eighth-grade levels and group labels of Basic, Proficient, and Advanced.

We are compared to other large cities across the nation (populations exceeding 250,000) and to the other participating urban districts. The results will be embargoed until noon today and I wanted to give you a glimpse of what they show before the results are made public.

Houston ISD continues to exceed large city and national averages across all student demographic groups in mathematics. However, the performance of our African American and Hispanic students is not consistently above the national or large city levels. Some data points:

- Reading scores unchanged: The average scale scores for fourth- and eighth-grade reading are at essentially the same levels as previous administrations.
- Strong performance in math: Each student group demonstrated higher average scores than similar student groups in the nation's public schools and public schools in large cities.

The bottom line: We are doing better than most of our peers, but we are not where we should be with our student's achievement.

HISD staff has begun an intensive examination of performance on this assessment, and I will be working with our Chief of Schools to update our academic plans, school guidance, and budgetary allocations. We are already aware of the urgent need to apply consistent literacy practices across our schools so we may see the same turnaround in reading that we've seen in math.

You may remember at the start of the 2013-2014 school year, non-negotiables were implemented at every school that did not meet state accountability standards. Superintendent Grier worked together with principals to establish clear expectations and plans to track improvement over the school year using shared data. Funds were allocated to support intensive interventions – longer school days, guided tutoring, directed reading, and a daily reading schedule – at low-performing schools.

I will be working with our community to implement a comprehensive literacy plan to address the challenges underscored by this report. I look forward to sharing this information with you, in greater detail, at the Board Retreat in January.

 DFG

Attachment

cc: Terry B. Grier, Ed.D. – Superintendent of Schools

MEMORANDUM

December 18, 2013

TO: Terry B. Grier, Ed.D
Superintendent of Schools

FROM: Carla Stevens
Assistant Superintendent, Research and Accountability

SUBJECT: **NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS (NAEP):
READING & MATHEMATICS 2013 RESULTS**

The 2013 NAEP reading and mathematics assessment results have been released. NAEP, also known as the Nation's Report Card, is the nation's only federally authorized survey of student achievement in various subject areas. NAEP is administered by the National Center for Education Statistics (NCES), an agency within the U.S. Department of Education's Institute of Education Sciences.

Student performance on the 2013 NAEP reading and mathematics assessments at grades 4 and 8 is reported by using scale scores, which represent equal units on a continuous scale, using numbers that range from 0 to 500. Also, student performance is reported by using the percentage of students who attained the achievement levels, Basic, Proficient, and Advanced. The National Assessment Governing Board (NAGB) defines the achievement levels as follows:

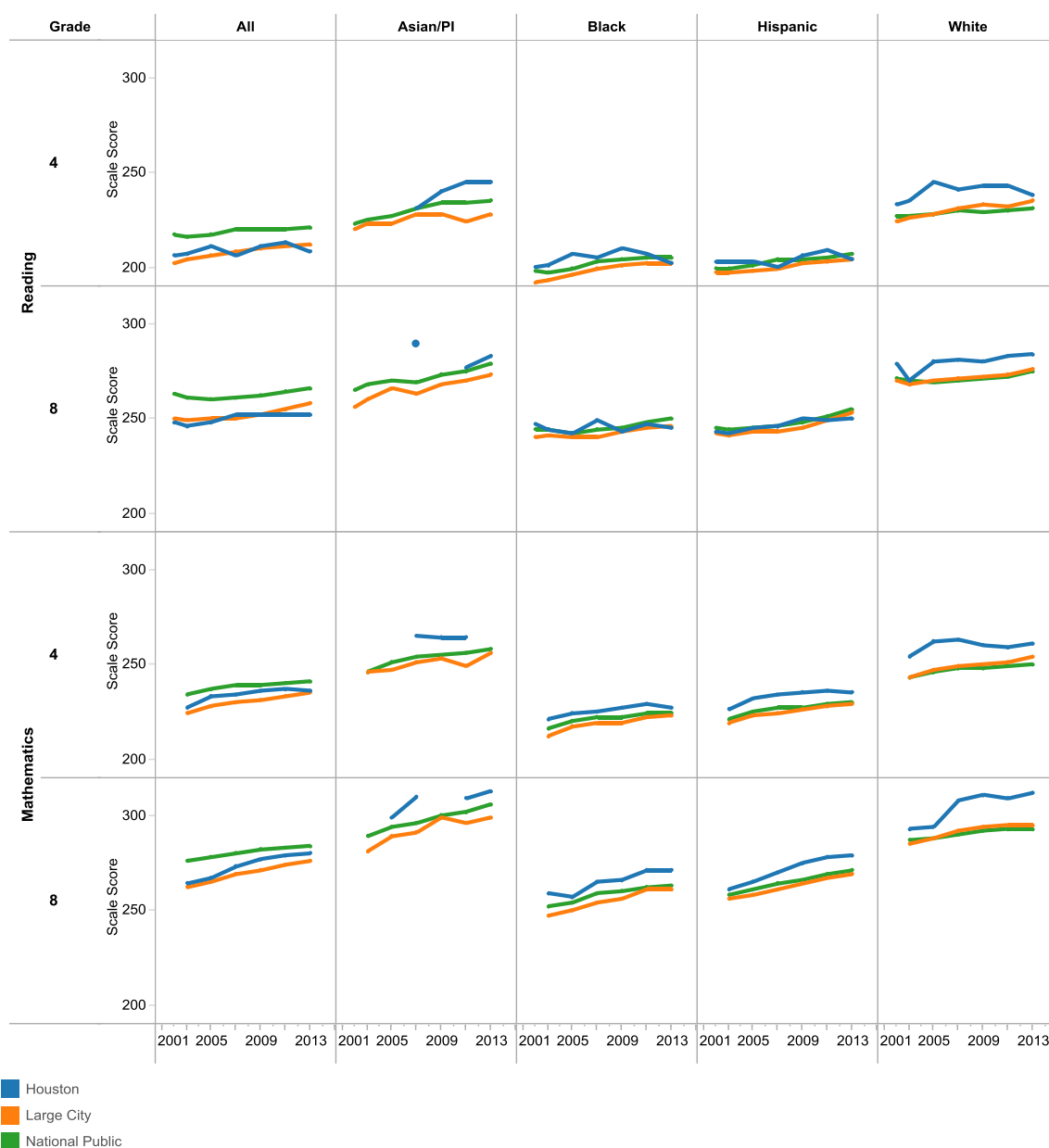
- *Basic*: denotes partial mastery of prerequisite knowledge and skills that are fundamental for proficient work at each grade.
- *Proficient*: represents solid academic performance for each grade assessed. Students reaching this level have demonstrated competency over challenging subject matter, including subject matter knowledge, application of such knowledge to real-world situations, and analytical skills appropriate to the subject matter.
- *Advanced*: signifies superior performance.

The reading framework specifies three reading behaviors, or cognitive targets: locate/recall, integrate/interpret, and critique/evaluate. Additionally, the framework calls for a systematic assessment of meaning vocabulary. The NAEP assesses mathematics in five content strands: number properties and operations, measurement, geometry, data analysis and probability, and algebra.

Results of the 2013 NAEP grade 4 and 8 reading and mathematics assessments are presented in **Figure 1**. Due to sampling methods used by NCES, results are only available at the district level and not at the school level. Comparisons were made between 21 participating districts: Albuquerque, Atlanta, Austin, Baltimore, Boston, Charlotte, Chicago, Cleveland, Dallas, Detroit, District of Columbia, Fresno, Hillsborough County (Tampa, FL), Houston, Jefferson County (Louisville, KY), Los Angeles, Miami-Dade County, Milwaukee, New York City, Philadelphia, and San Diego—as well as Texas, the nation, and the Large City comparison group. These results present the sixth administration of the reading assessment and the fifth administration of the mathematics assessment for the TUDA. Not all districts have participated over that time but Houston is one of the six original TUDA districts since its inception in 2002.

In interpreting NAEP performance in the various jurisdictions, it is important to note that while the 21 TUDAs represent some of the largest urban school districts in the country, there are substantial differences among them. Not only are the demographic characteristics different but there is a stark difference in percentage of students that are eligible for free/reduced price lunch (ranging from 52 to 100 percent) and the percentage of English Language Learners (ranging from 2 to 50 percent).

**Figure 1. NAEP Scale Scores: Houston*, Large City, and Nation
Reading and Mathematics Grades 4 and 8
2002 - 2013**



*Asian/PI scores in Houston did not meet NAEP reporting standards in some years in both subjects and grades, and are omitted.

Mathematics

- A notable achievement for Houston is that the Asian, Black, Hispanic, White, and free/reduced price lunch student groups in grades 4 and 8 demonstrated higher average scores than similar student groups in the nation's public schools and public schools in large cities.

Grade 4 Mathematics

- In 2013, the percentage of students in HISD who performed at or above *Basic* was 80%. This was greater than public schools in large cities at 75%.

Grade 8 Mathematics

- Only four districts outperformed HISD in 8th grade math.

Reading

- Average scale scores for 4th and 8th grade reading are essentially at the same levels as in 2007.

Grade 4 Reading

- Houston outperformed 11 urban districts including Dallas, but was just below public schools in large cities.
- The average scale score in 4th grade reading is 4 points below the public schools in large cities (208 vs. 212) and 13 points below the nation's public schools (208 vs. 221).

Grade 8 Reading

- Houston outperformed 9 urban districts including Dallas, but was below public schools in large cities.
- Since 2007, 8th grade reading average scales scores have remained flat at 252 while public schools in large cities has increased by 8 points, from 250 to 258 and the nation's public schools has increased by 5 points from 261 to 266.

Appendix A provides an overview of HISDs performance overtime by grade and subject. Additional reference tables are also provided in **Appendix B**. Data tables produced by NAEP can be found on the [HISD website](#) or the [NAEP website](#) which includes the Nation's Report Card, the full set of national and state results in an interactive database as wells as related questions, scoring guides and question-level performance data.

 CS

Attachments



NAEP 2013 Mathematics and Reading Results



NAEP 2013 Mathematics and Reading Results

What is NAEP?

Grade 4 Mathematics Results

Grade 8 Mathematics Results

Grade 4 Reading Results

Grade 8 Reading Results



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 School and Student Selection

- NAEP uses a carefully designed sampling procedure for the assessment to be representative of the geographical, racial, ethnic, and socio-economic diversity of schools and students in the state.
 - First, schools are selected to be representative of schools.
 - Then, within each chosen school students are randomly selected to participate. Each participating student represents hundreds of other similar students.




NAEP Administration

- NAEP is administered over a six-week period.
 - For 2013: January 28th – March 8th
- About 3,000 students in approximately 100 schools are selected in each state for each grade and subject.
 - 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.



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*



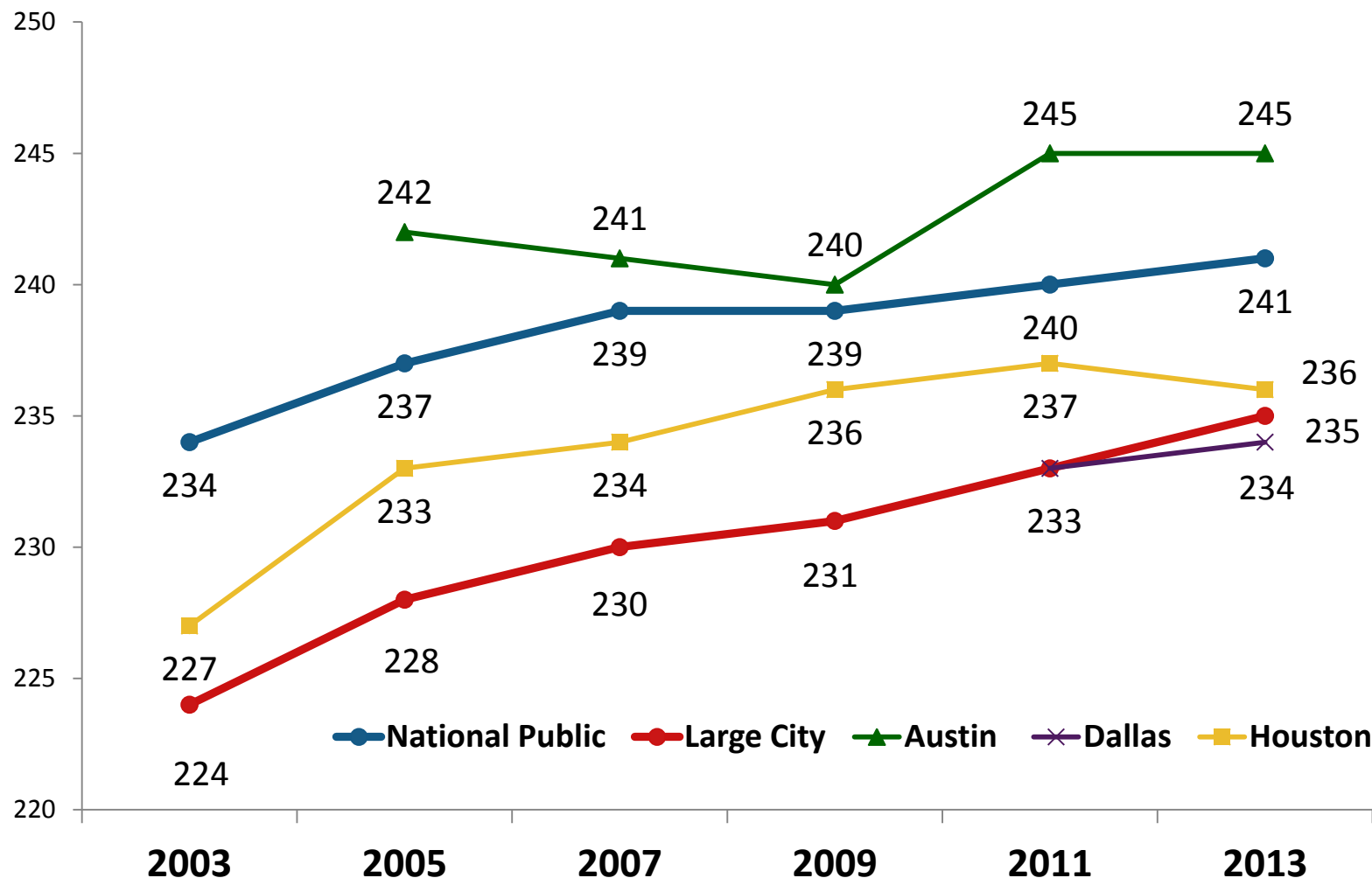
Grade 4 Mathematics Results

Grade 4 Mathematics Results

- A notable achievement for Houston is that the Asian, Black, Hispanic, White, and free/reduced price lunch student groups in 4th grade demonstrated higher average scores than similar student groups in the nation's public schools and public schools in large cities.
- In 2013, the percentage of students in HISD who performed at or above *Basic* was 80%. This was greater than public schools in large cities at 75%.



Grade 4 Math Average Scale Scores Over Time



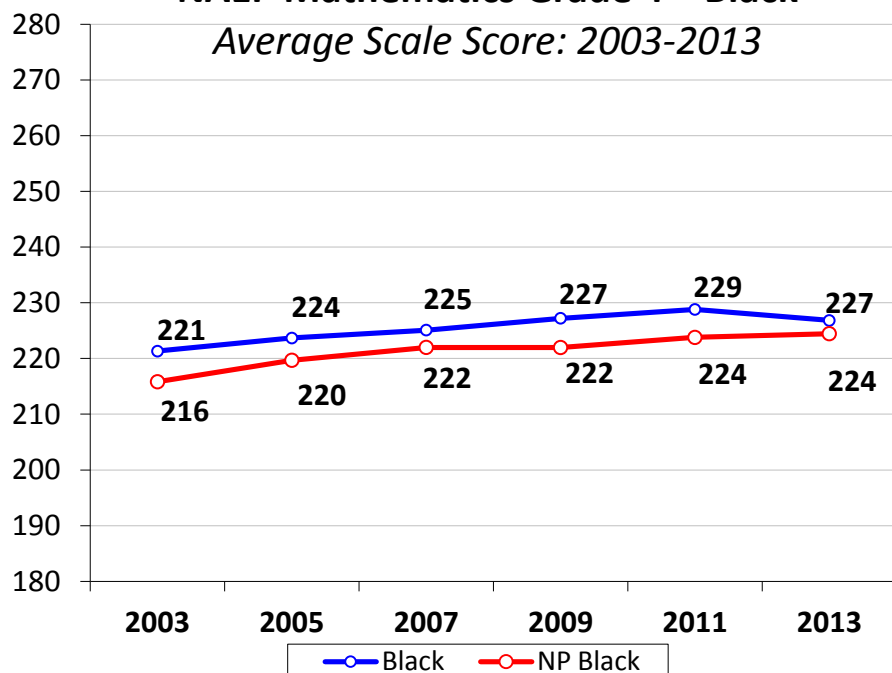
NOTE: Observed differences are not necessarily statistically significant.



HISD Student Groups Consistently Perform Above National Sample

NAEP Mathematics Grade 4 – Black

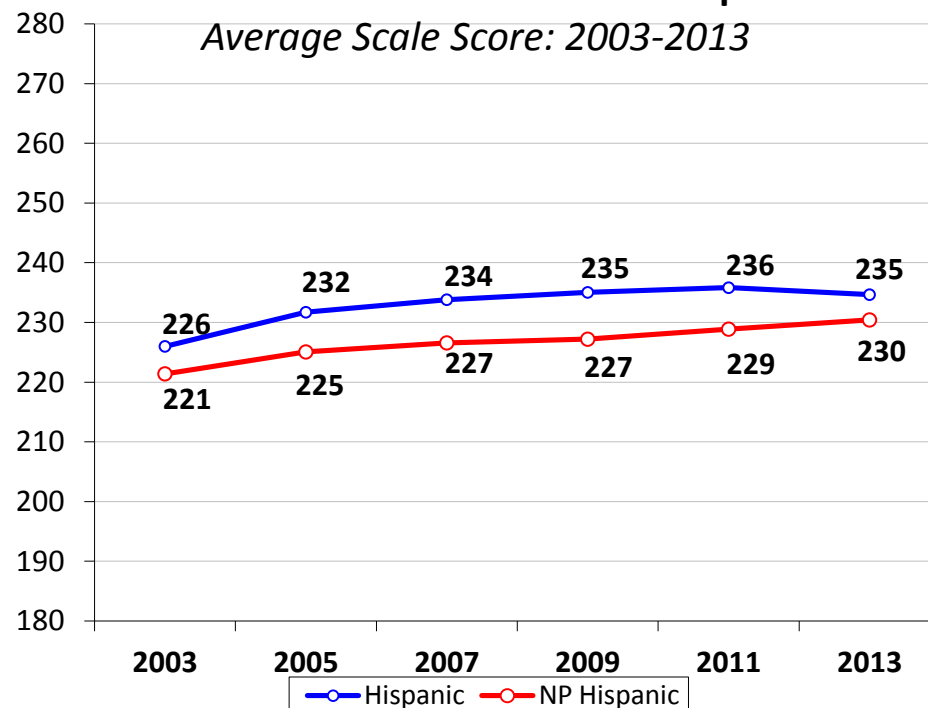
Average Scale Score: 2003-2013



NOTE: The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

NAEP Mathematics Grade 4 – Hispanic

Average Scale Score: 2003-2013



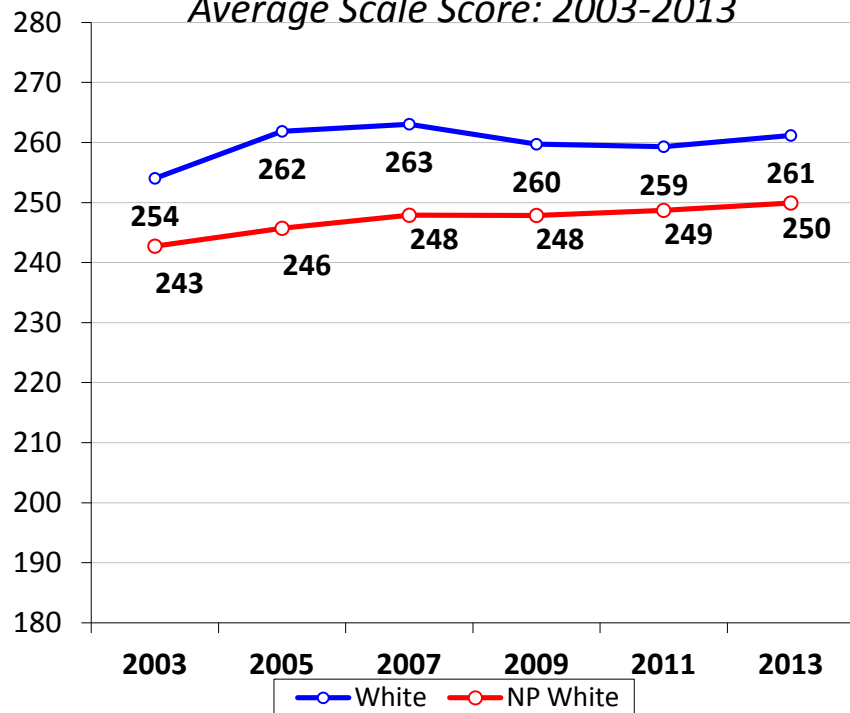
NOTE: The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.



HISD Student Groups Consistently Perform Above National Sample

NAEP Mathematics Grade 4 – White

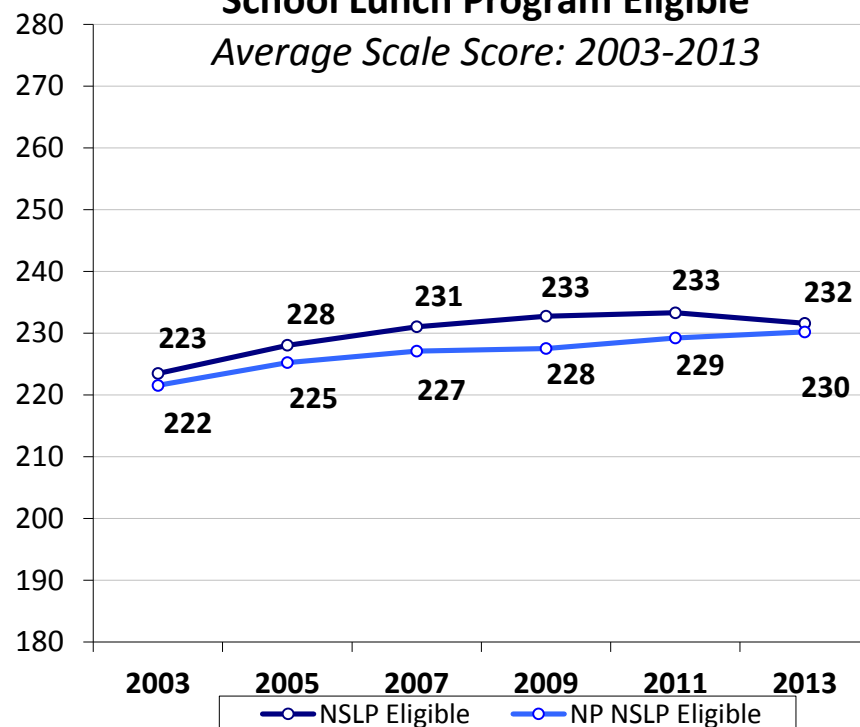
Average Scale Score: 2003-2013



NOTE: The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

NAEP Mathematics Grade 4 – National School Lunch Program Eligible

Average Scale Score: 2003-2013



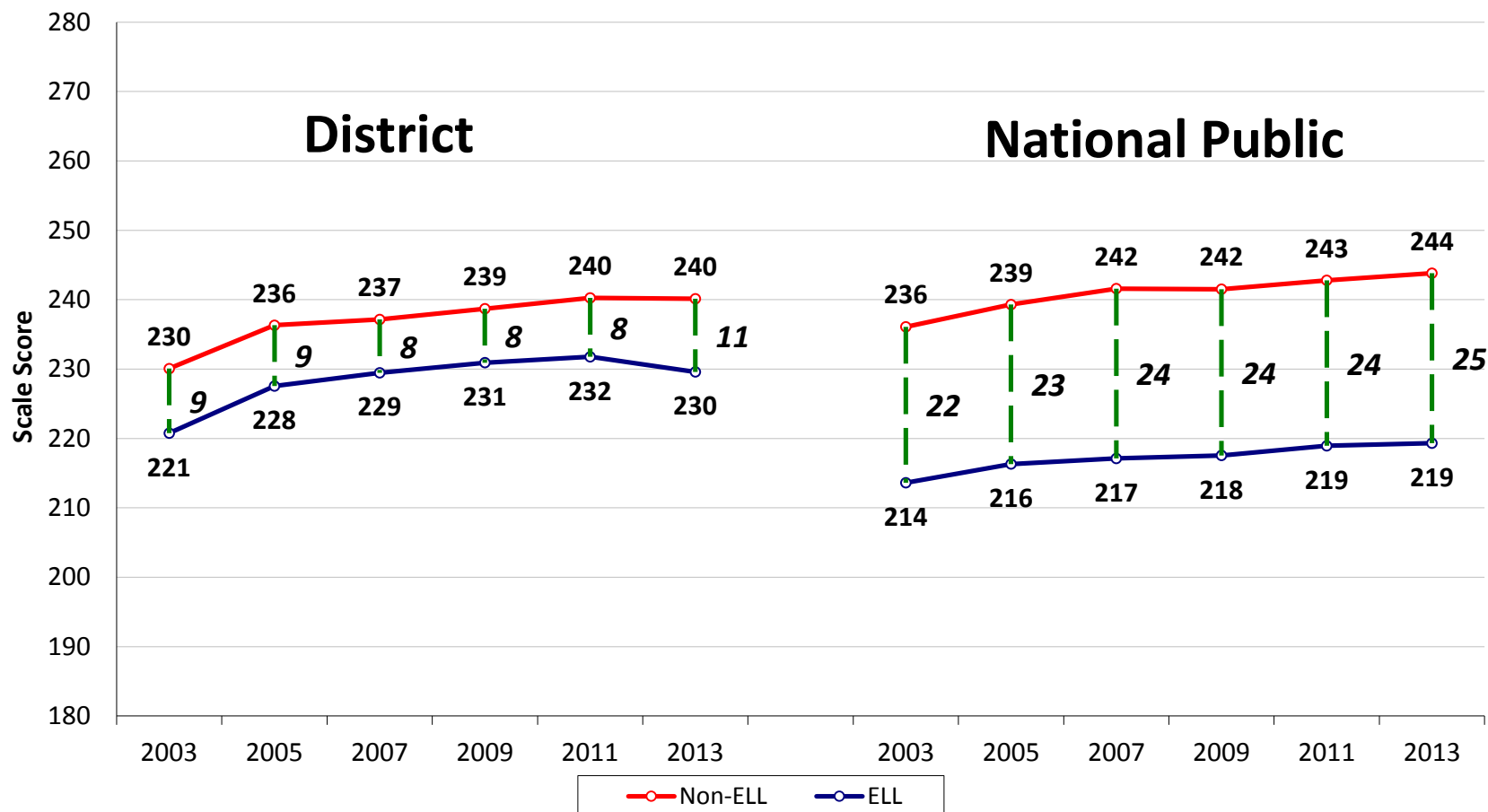
NOTE: The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.



Score Gap Comparison: ELL and Non-ELL

NAEP Mathematics Grade 4 – English Language Learners

Gap - Average Scale Score: 2003-2013



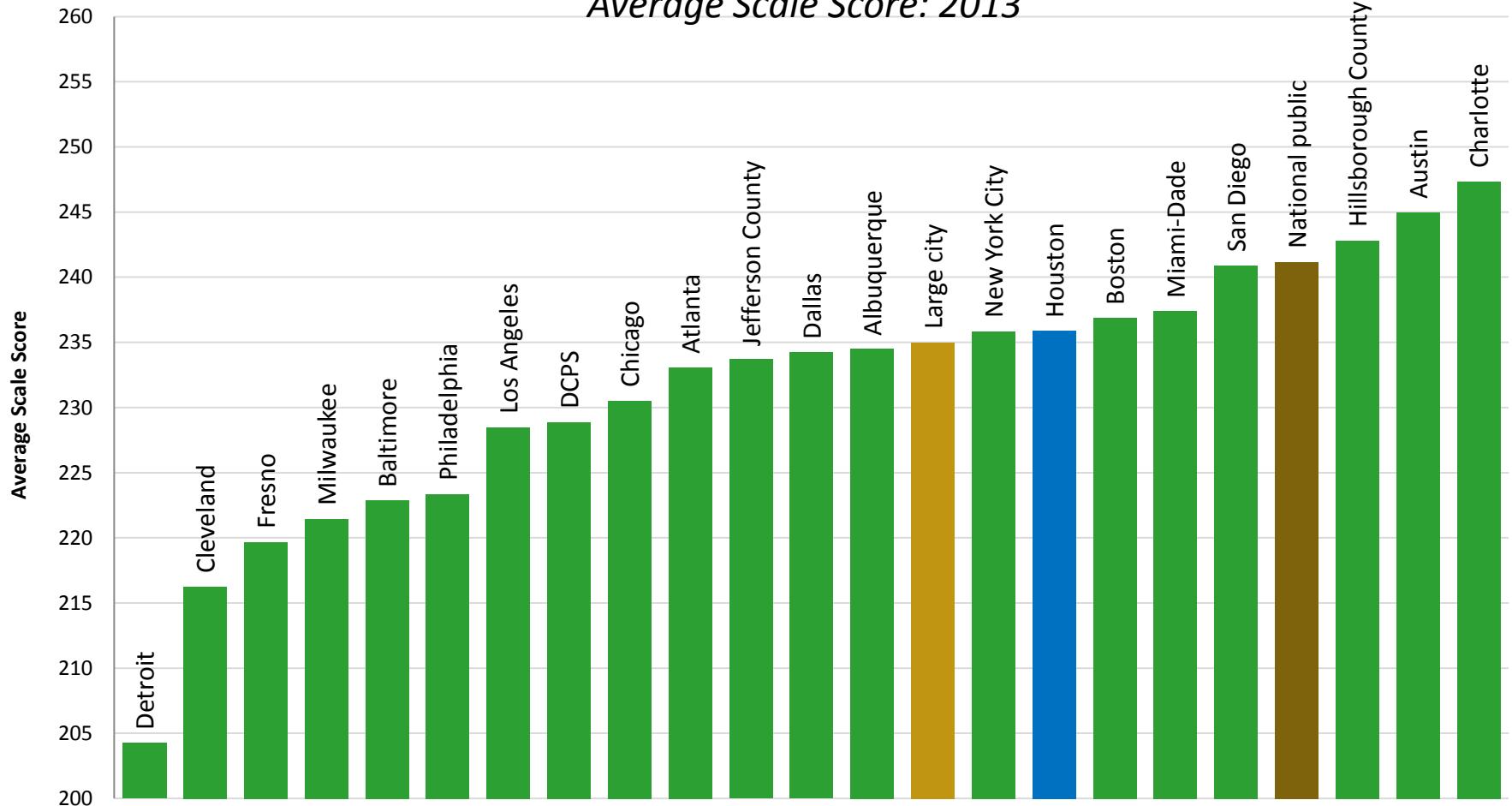
NOTE: The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.


SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).



2013 TUDA COMPARISON

NAEP Mathematics Grade 4 – Overall *Average Scale Score: 2013*





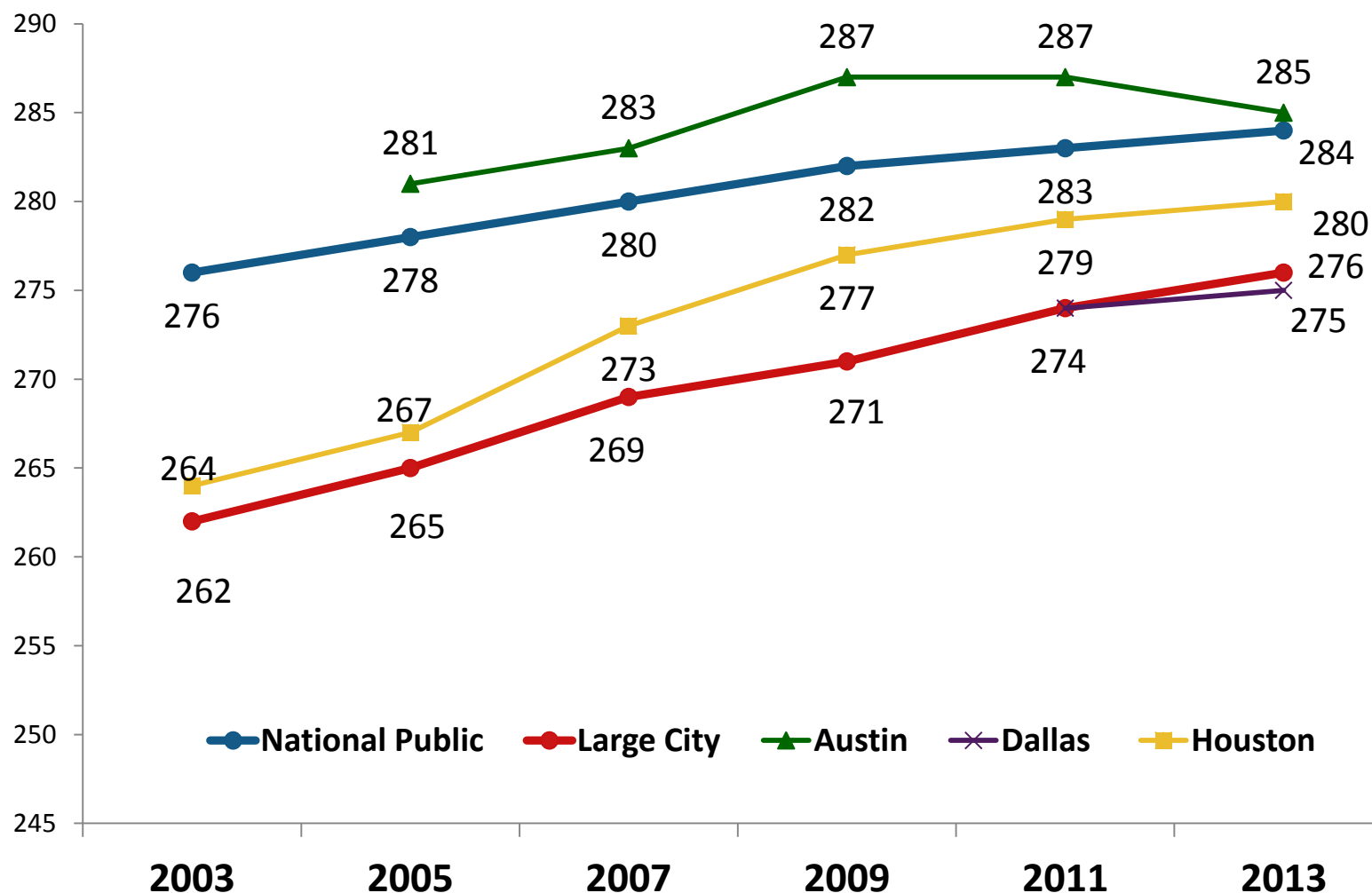
Grade 8 Mathematics Results

Grade 8 Mathematics Results

- A notable achievement for Houston is that the Asian, Black, Hispanic, White, and free/reduced price lunch student groups in 8th grade demonstrated higher average scores than similar student groups in the nation's public schools and public schools in large cities.
- Only four districts outperformed HISD in 8th grade math.



Grade 8 Math Average Scale Scores Over Time



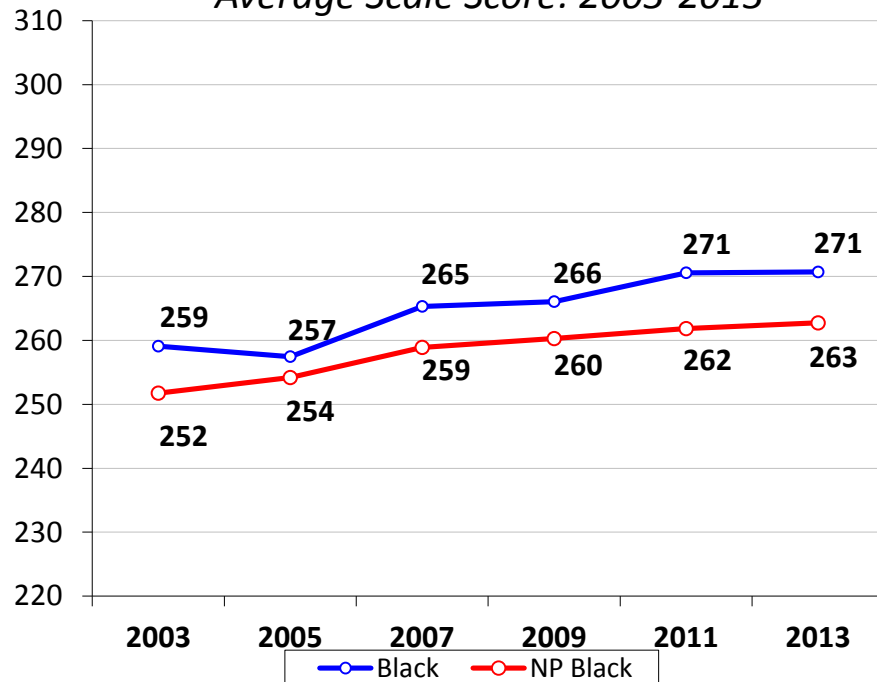
NOTE: Observed differences are not necessarily statistically significant.



HISD Student Groups Consistently Perform Above National Sample

NAEP Mathematics Grade 8 – Black

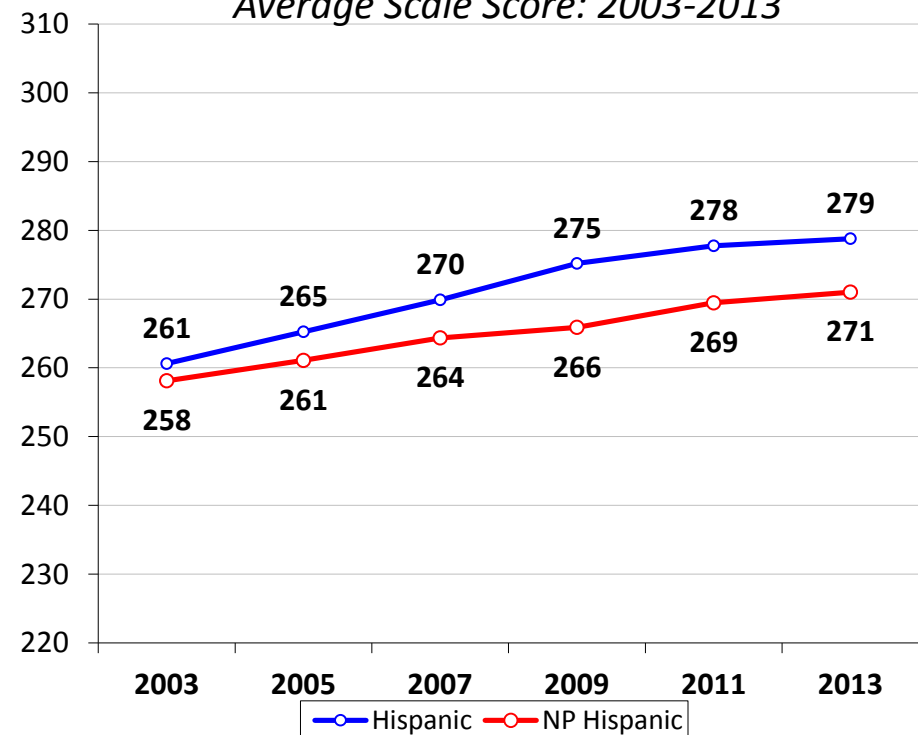
Average Scale Score: 2003-2013



NOTE: The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

NAEP Mathematics Grade 8 – Hispanic

Average Scale Score: 2003-2013



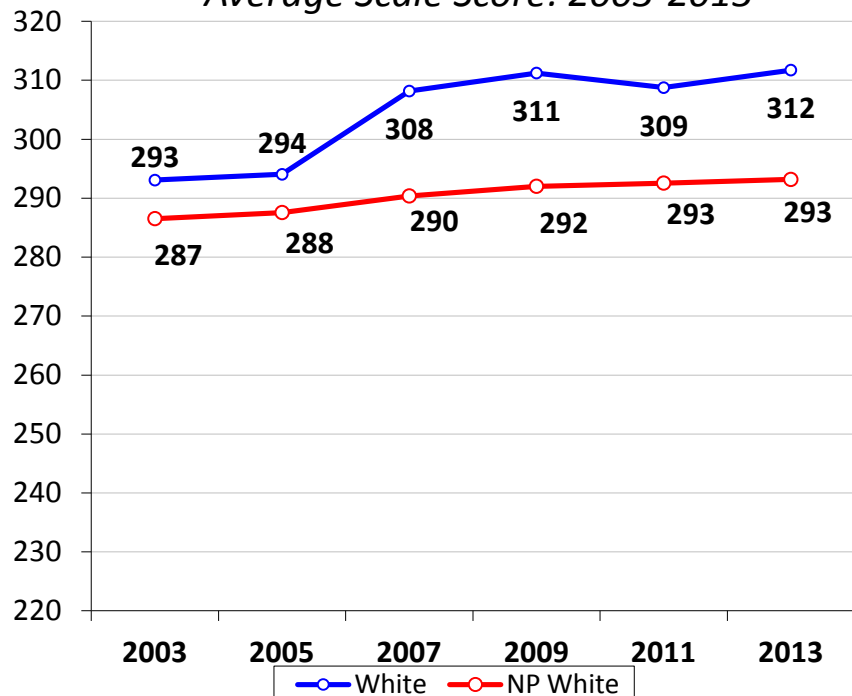
NOTE: The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.



HISD Student Groups Consistently Perform Above National Sample

NAEP Mathematics Grade 8 – White

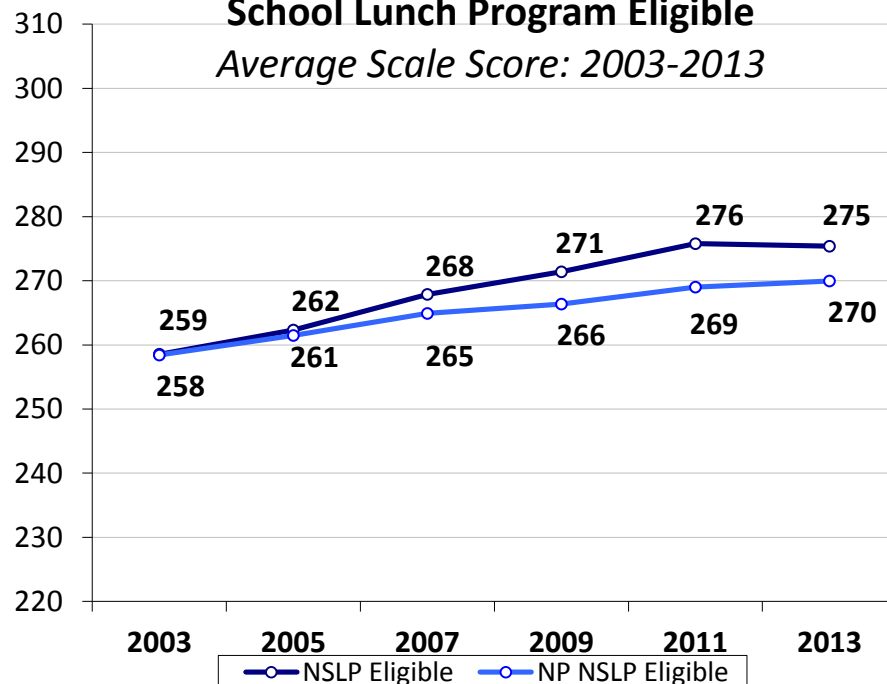
Average Scale Score: 2003-2013



NOTE: The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

NAEP Mathematics Grade 8 – National School Lunch Program Eligible

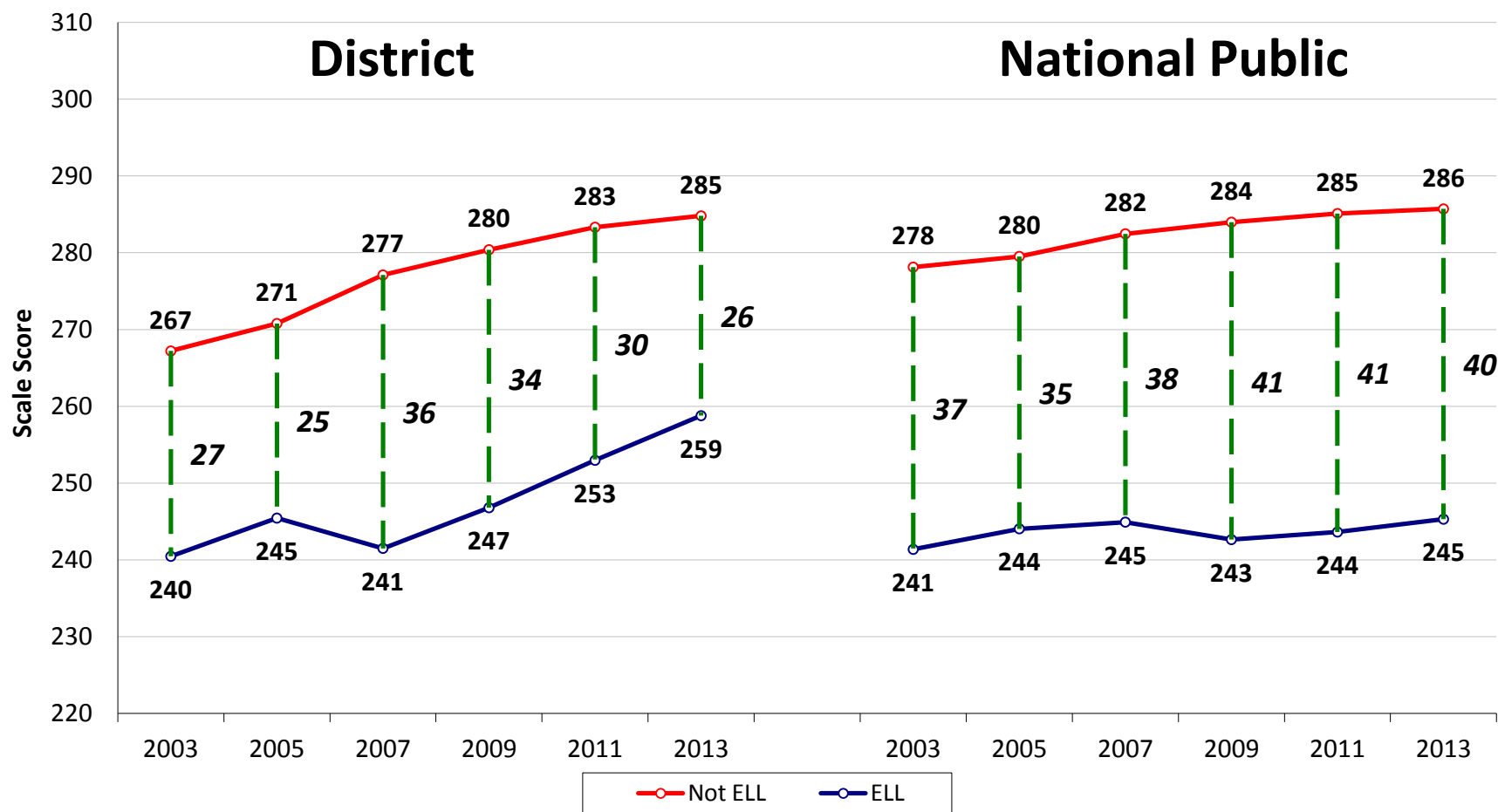
Average Scale Score: 2003-2013



NOTE: The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

Score Gap Comparison: ELL and Non-ELL

NAEP Mathematics Grade 8 – English Language Learners
Gap - Average Scale Score: 2003-2013



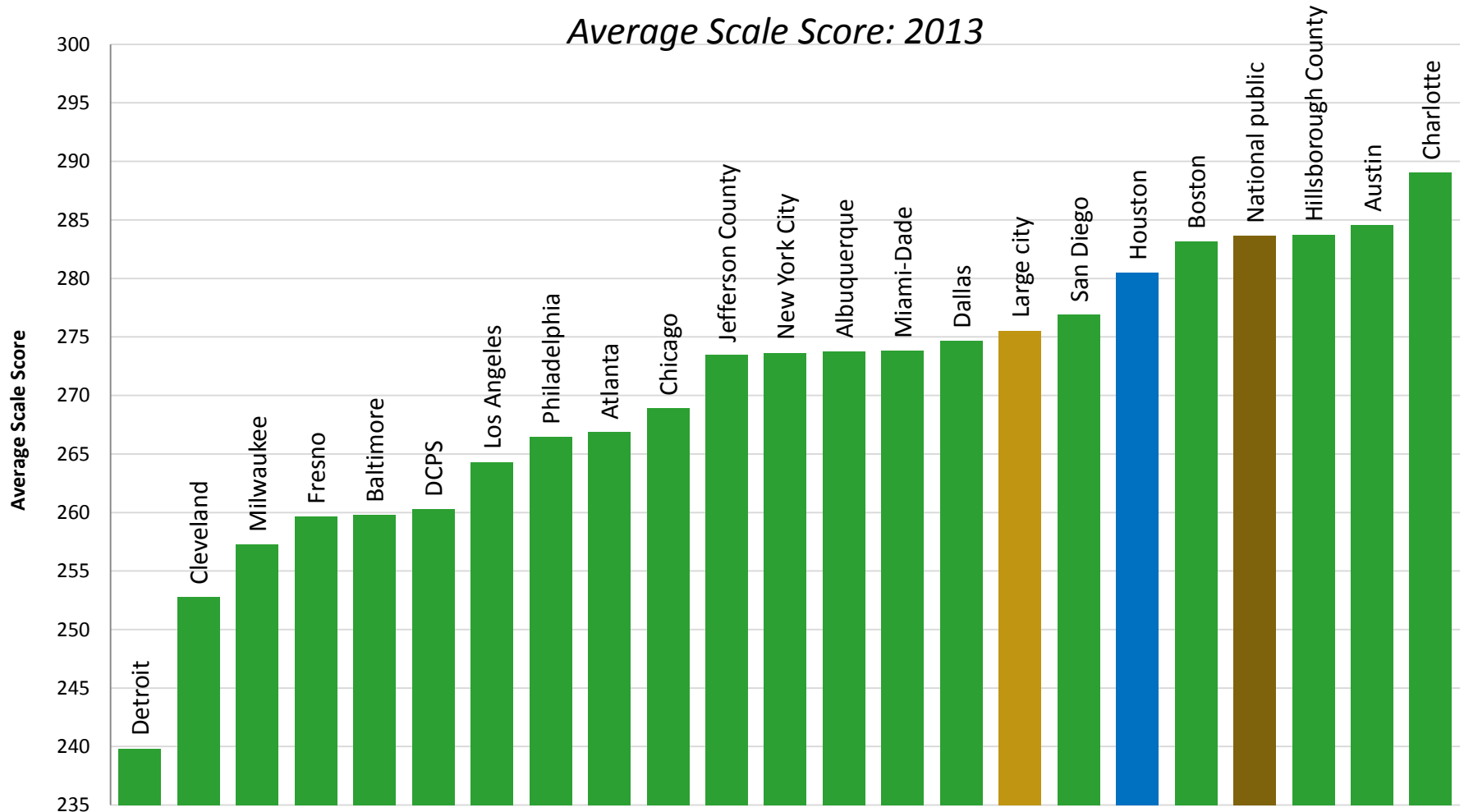
NOTE: The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

2013 TUDA COMPARISON

NAEP Mathematics Grade 8 – Overall

Average Scale Score: 2013



Grade 4 Reading Results



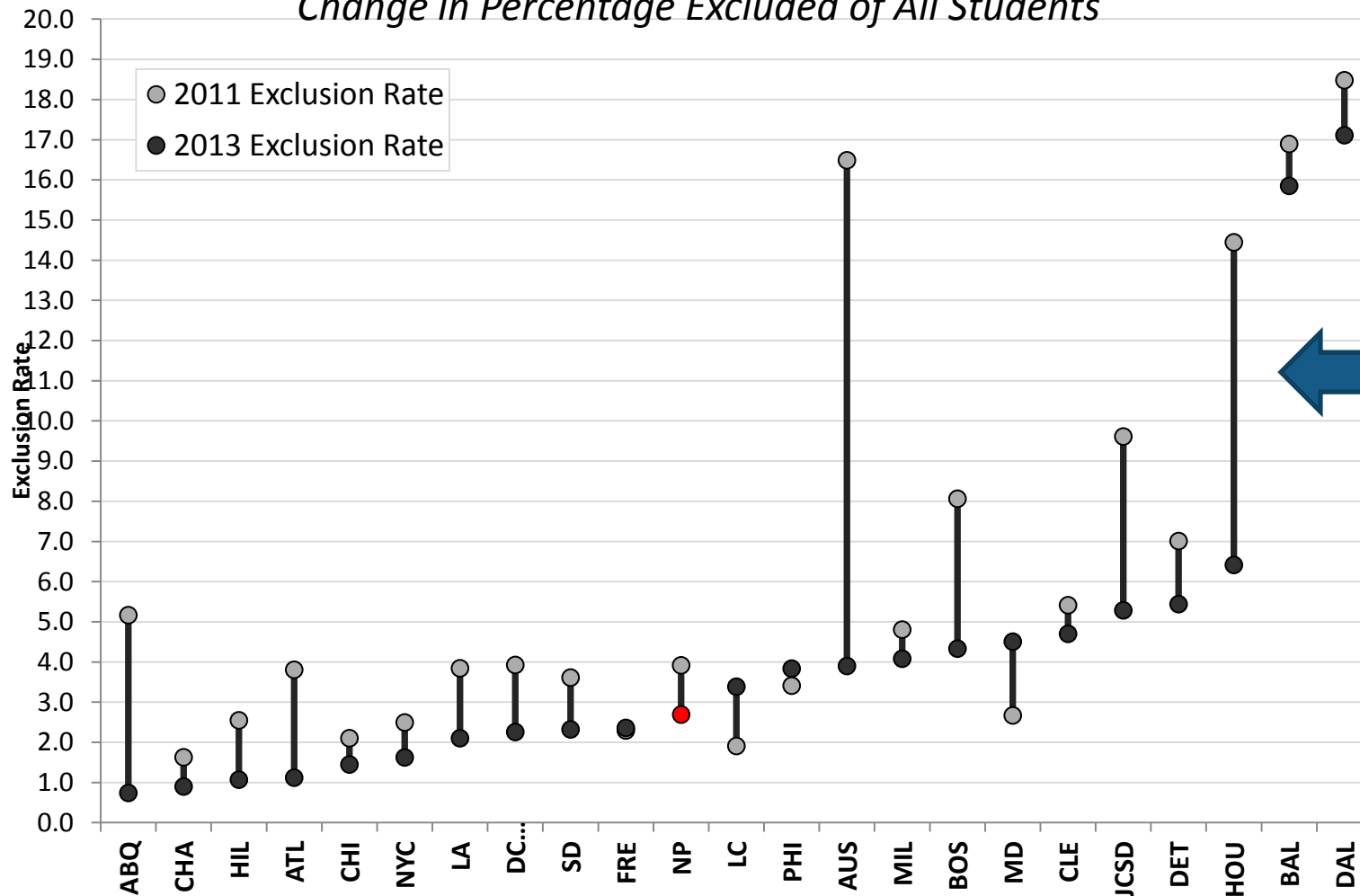
Grade 4 Reading Results

- Average scale scores for 4th and 8th grade reading are essentially at the same levels as in 2007.
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SWD/ELL Exclusion Rates 2011 - 2013

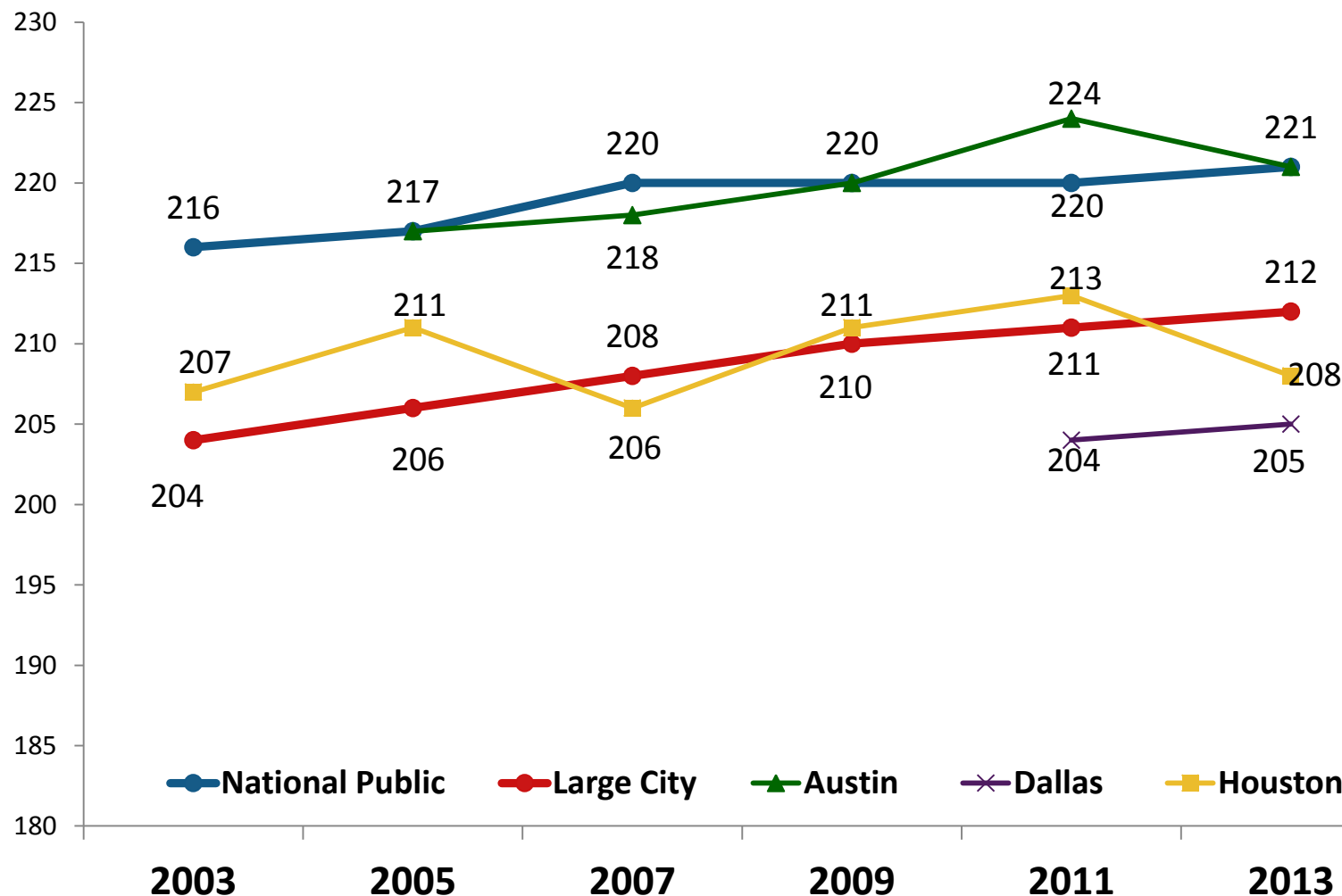
NAEP 2011-2013 - Grade 4 Reading
Change in Percentage Excluded of All Students



**HISD
exclusion
rate
dropped
from 14%
to 6%**



Grade 4 Reading Average Scale Scores Over Time

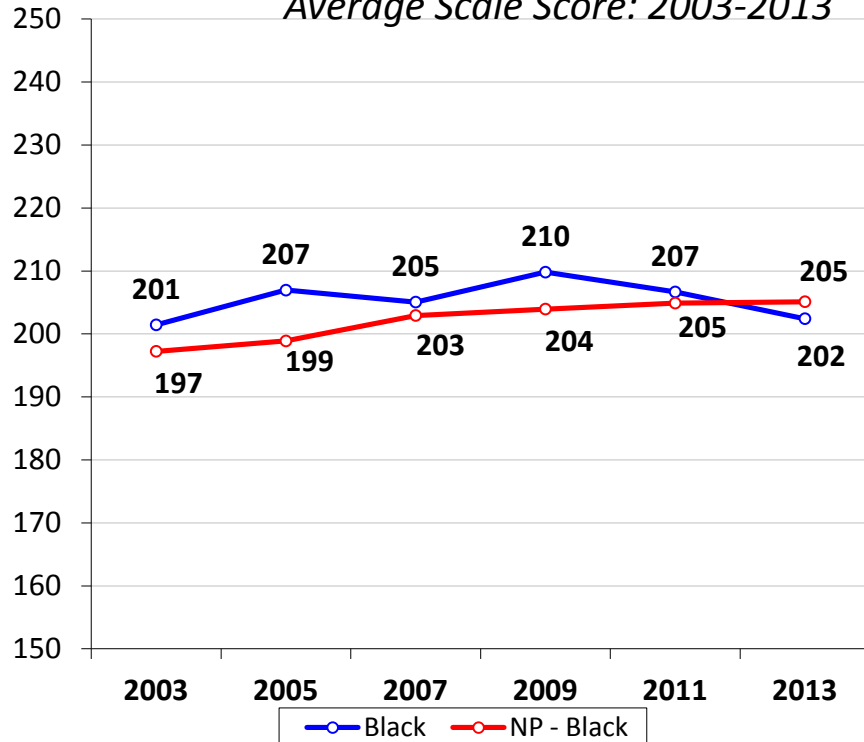


NOTE: Observed differences are not necessarily statistically significant.

HISD Student Groups in Comparison with National Sample

NAEP Reading Grade 4 – Black

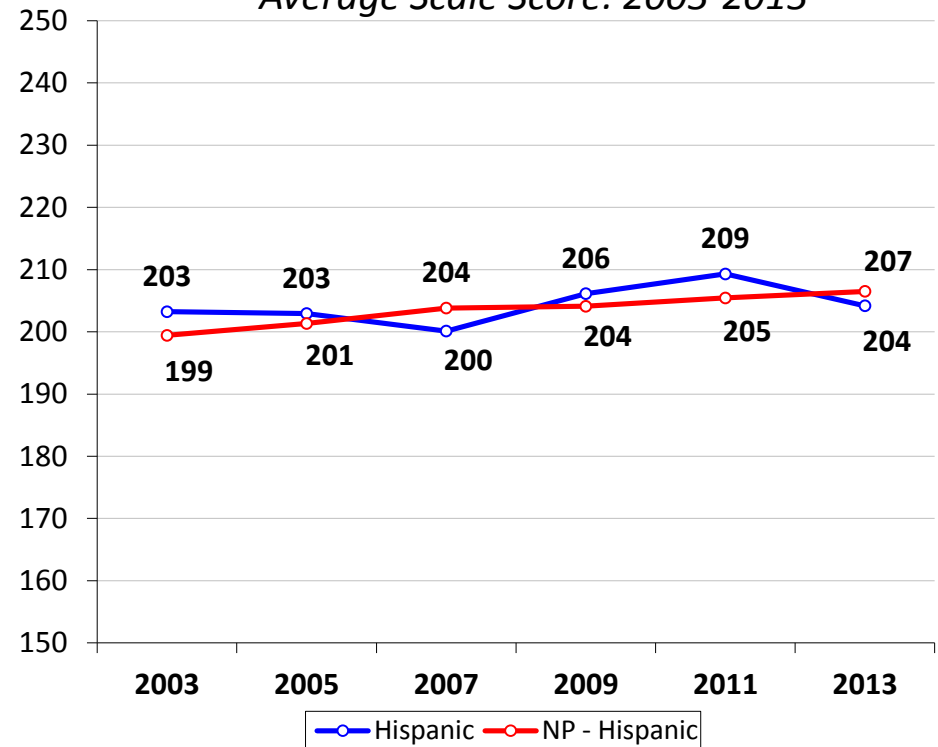
Average Scale Score: 2003-2013



NOTE: The NAEP Reading scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

NAEP Reading Grade 4 – Hispanic

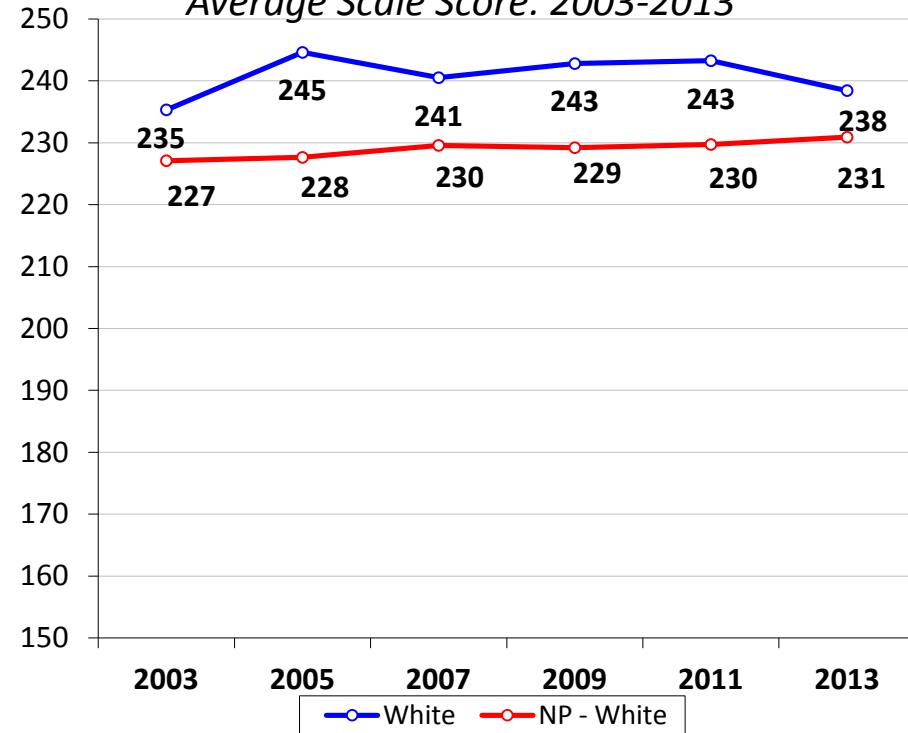
Average Scale Score: 2003-2013



NOTE: The NAEP Reading scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

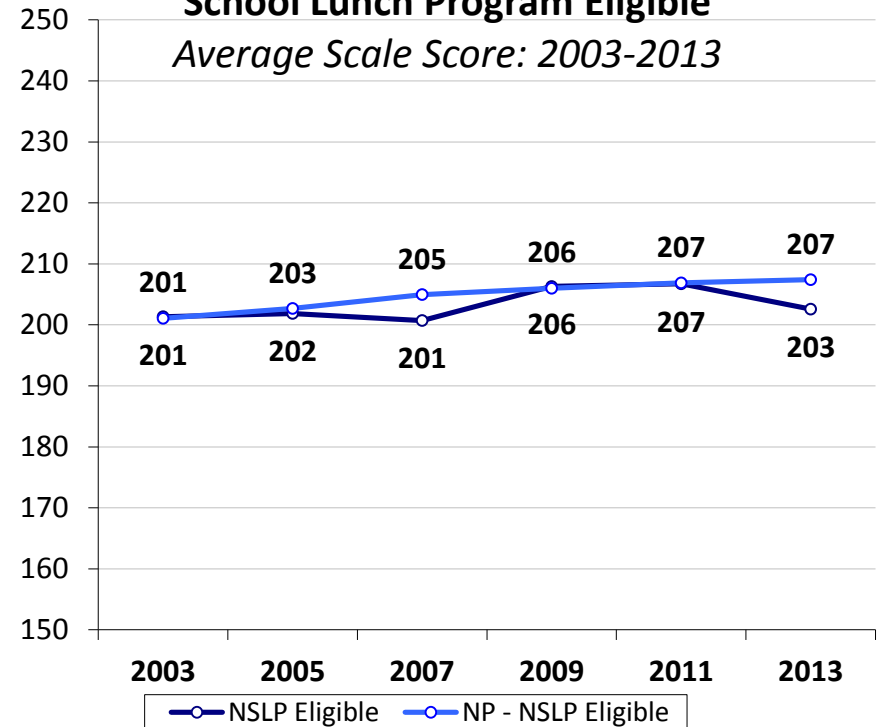
HISD White Student Group Consistently Performs Above National Sample

NAEP Reading Grade 4 – White
Average Scale Score: 2003-2013



NOTE: The NAEP Reading scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

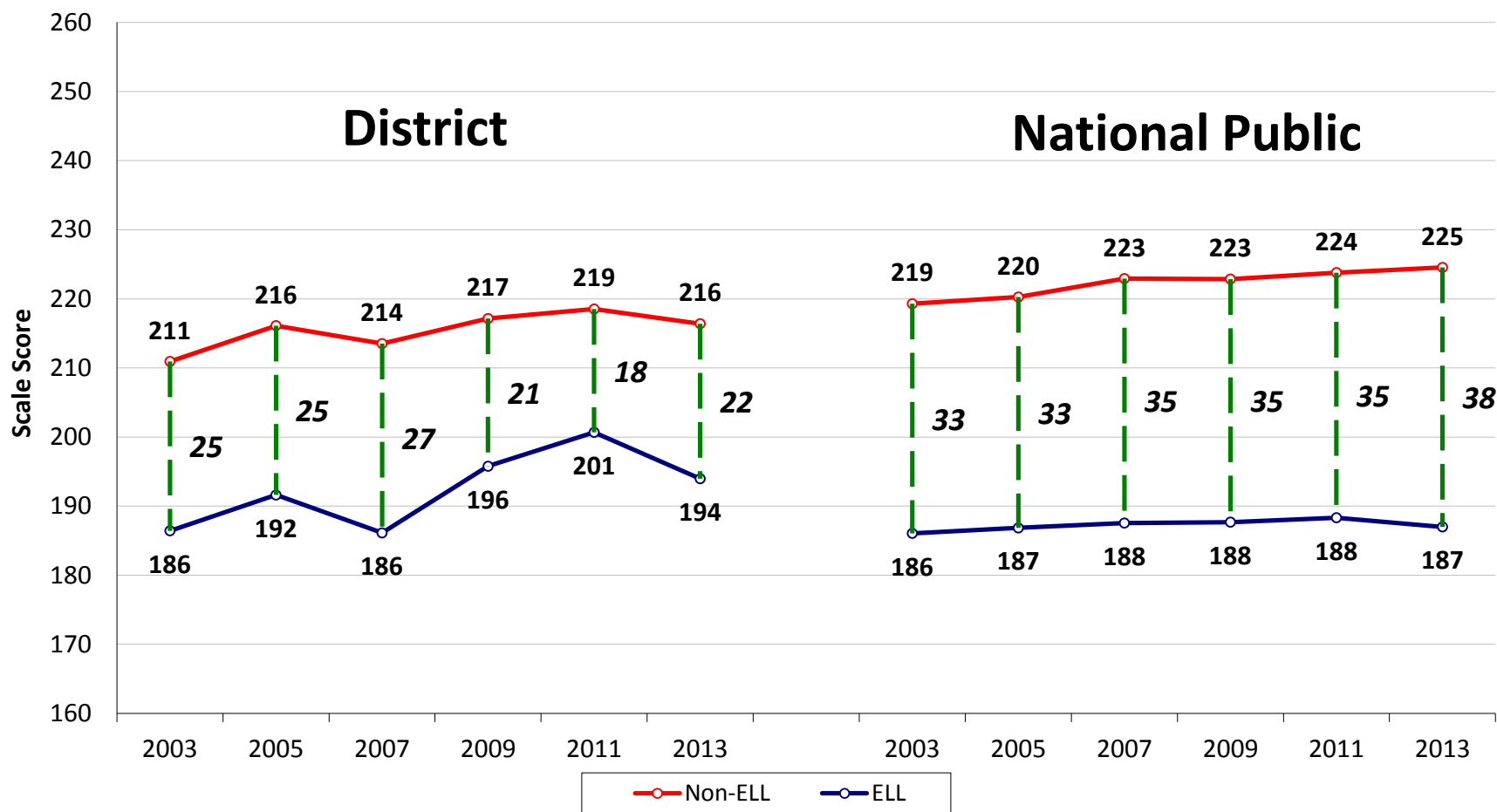
NAEP Reading Grade 4 – National School Lunch Program Eligible
Average Scale Score: 2003-2013



NOTE: The NAEP Reading scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

Score Gap Comparison: ELL and Non-ELL

NAEP Reading Grade 4 – English Language Learners
Gap - Average Scale Score: 2003-2013



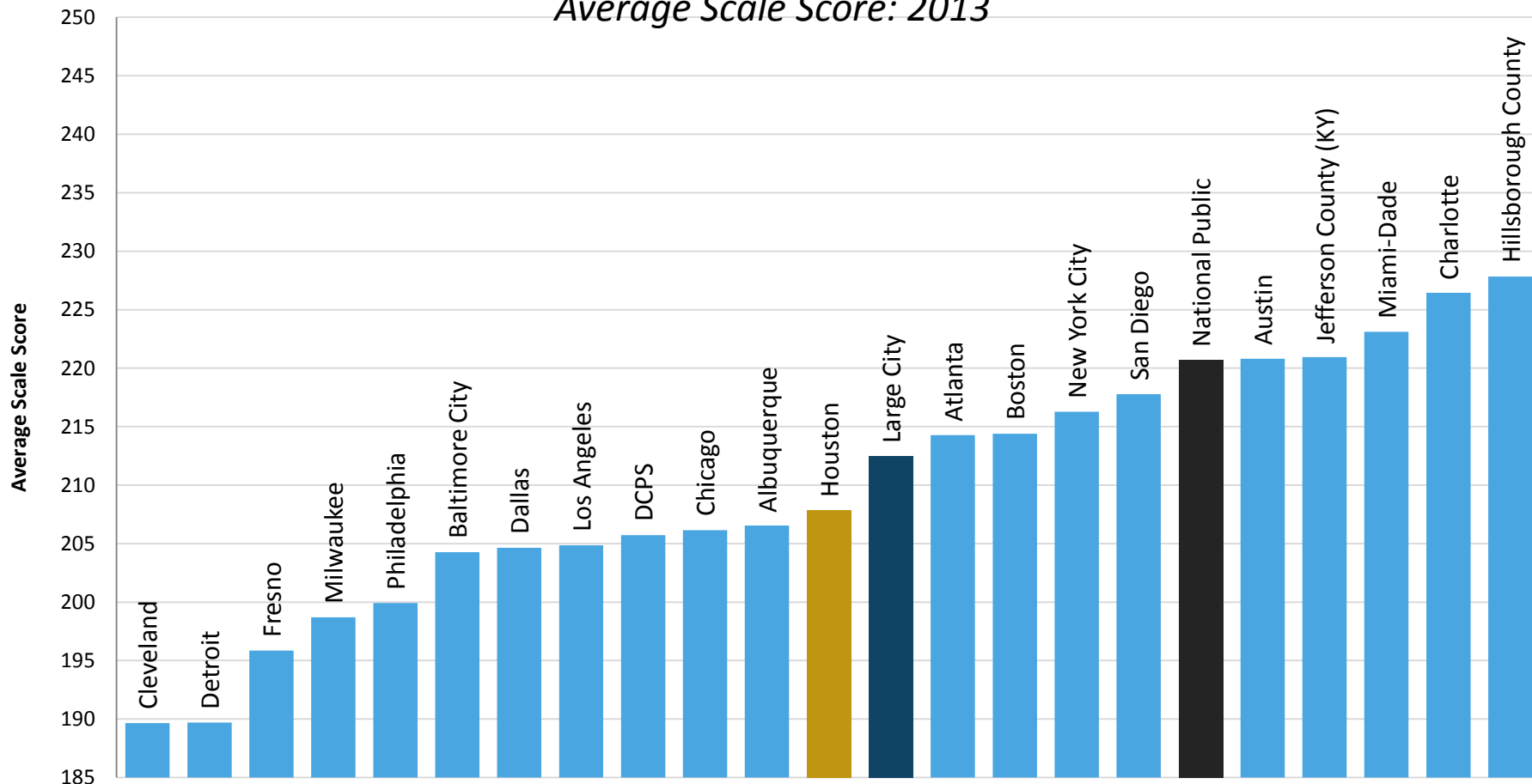
NOTE: The NAEP Reading scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

2013 TUDA COMPARISON

NAEP Reading Grade 4 – Overall

Average Scale Score: 2013



Grade 8 Reading Results

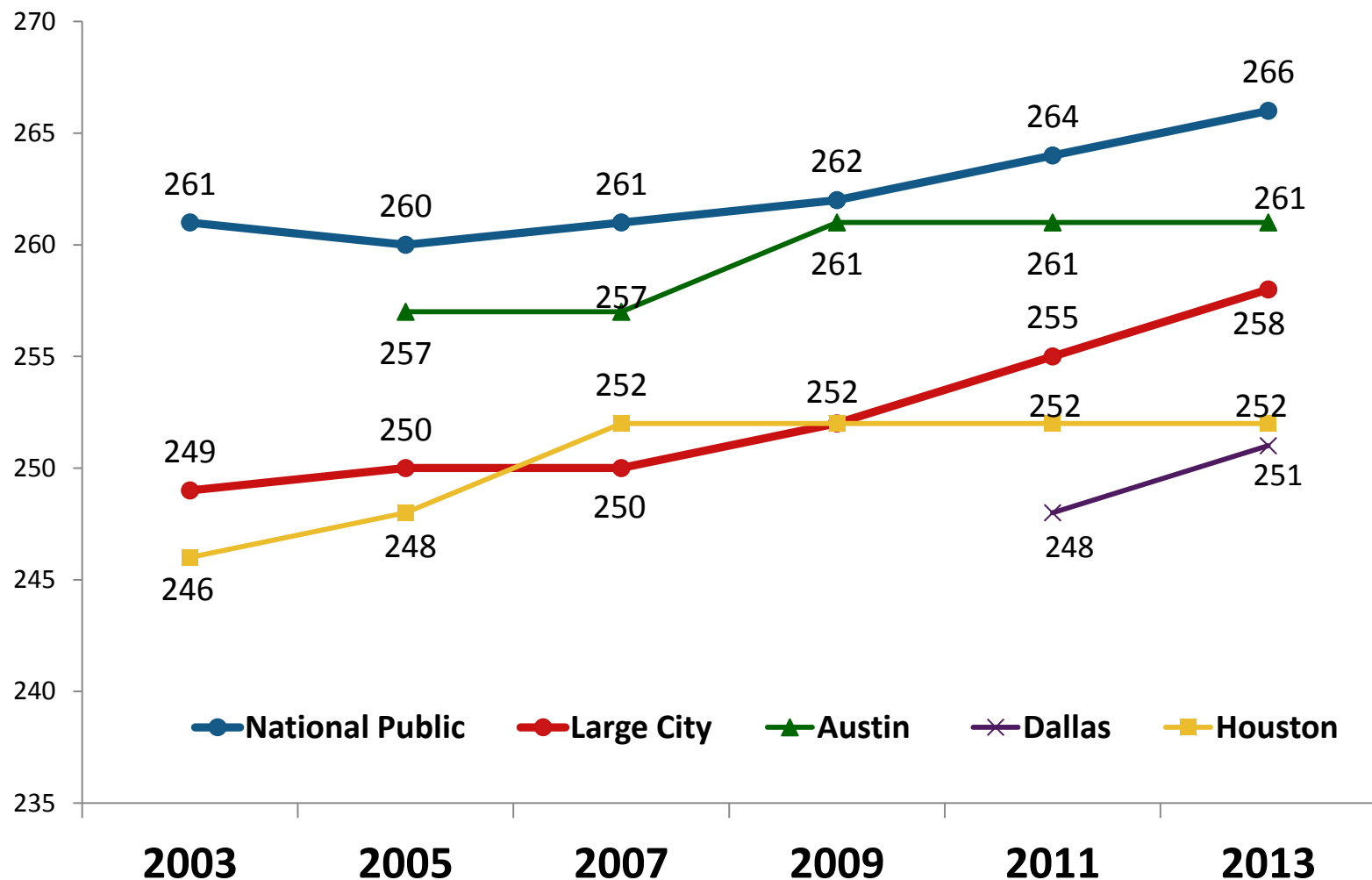


Grade 8 Reading Results

- Average scale scores for 4th and 8th grade reading are essentially at the same levels as in 2007.
- Houston outperformed 9 urban districts including Dallas, but was below public schools in large cities.
- Since 2007, 8th grade reading average scales scores have remained flat at 252 while public schools in large cities has increased by 8 points, from 250 to 258 and the nation's public schools has increased by 5 points from 261 to 266.



Grade 8 Average Scale Scores Over Time

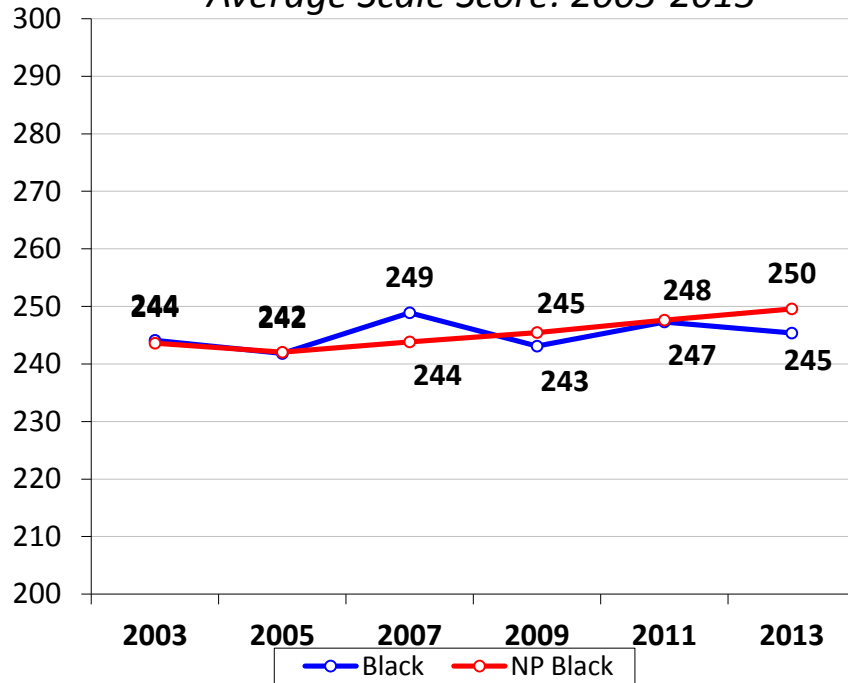


NOTE: Observed differences are not necessarily statistically significant.



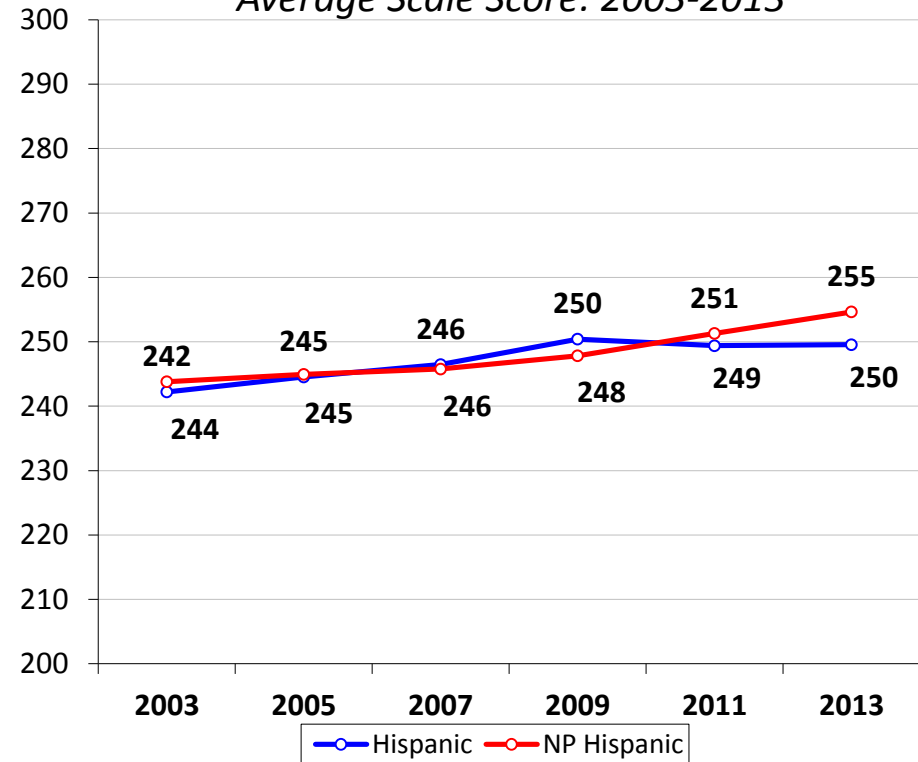
HISD Student Groups in Comparison with National Sample

NAEP Reading Grade 8 – Black
Average Scale Score: 2003-2013



NOTE: The NAEP Reading scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

NAEP Reading Grade 8 – Hispanic
Average Scale Score: 2003-2013



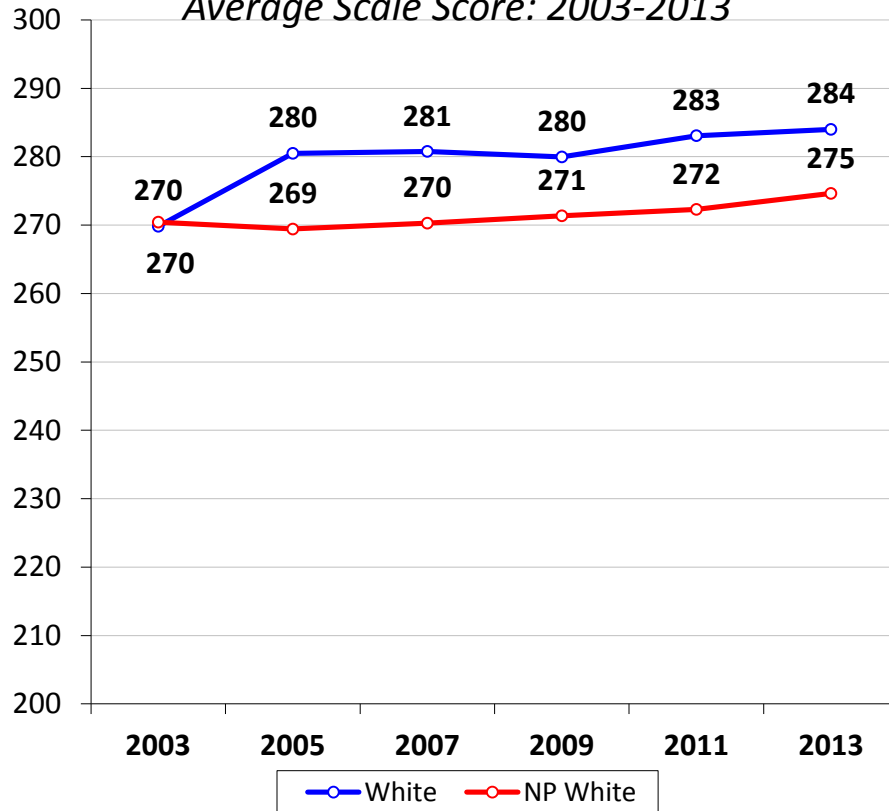
NOTE: The NAEP Reading scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.



HISD White Student Group Consistently Performs Above National Sample

NAEP Reading Grade 8 – White

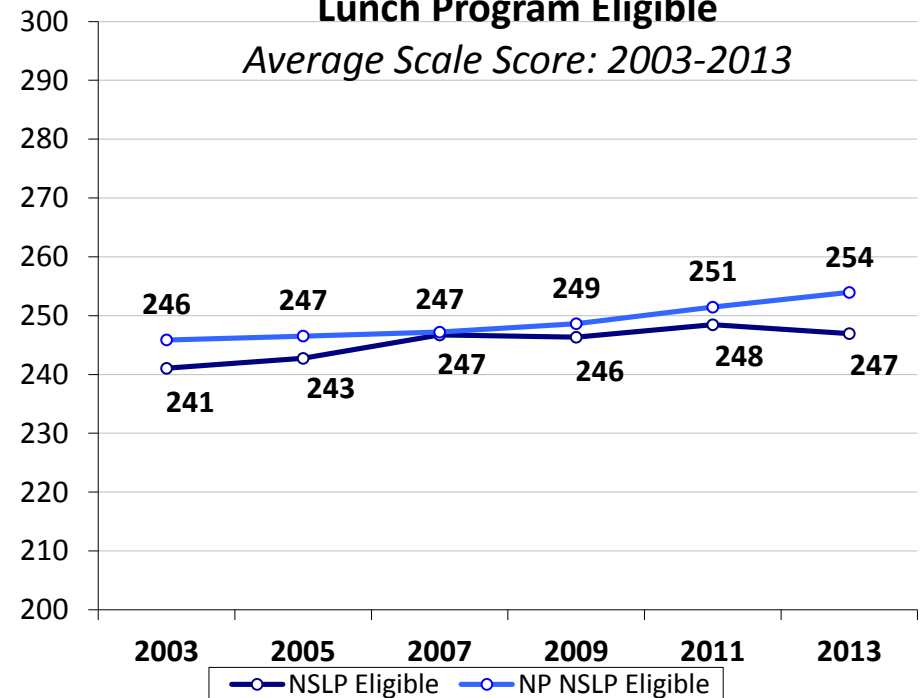
Average Scale Score: 2003-2013



NOTE: The NAEP Reading scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

NAEP Reading Grade 8 – National School Lunch Program Eligible

Average Scale Score: 2003-2013

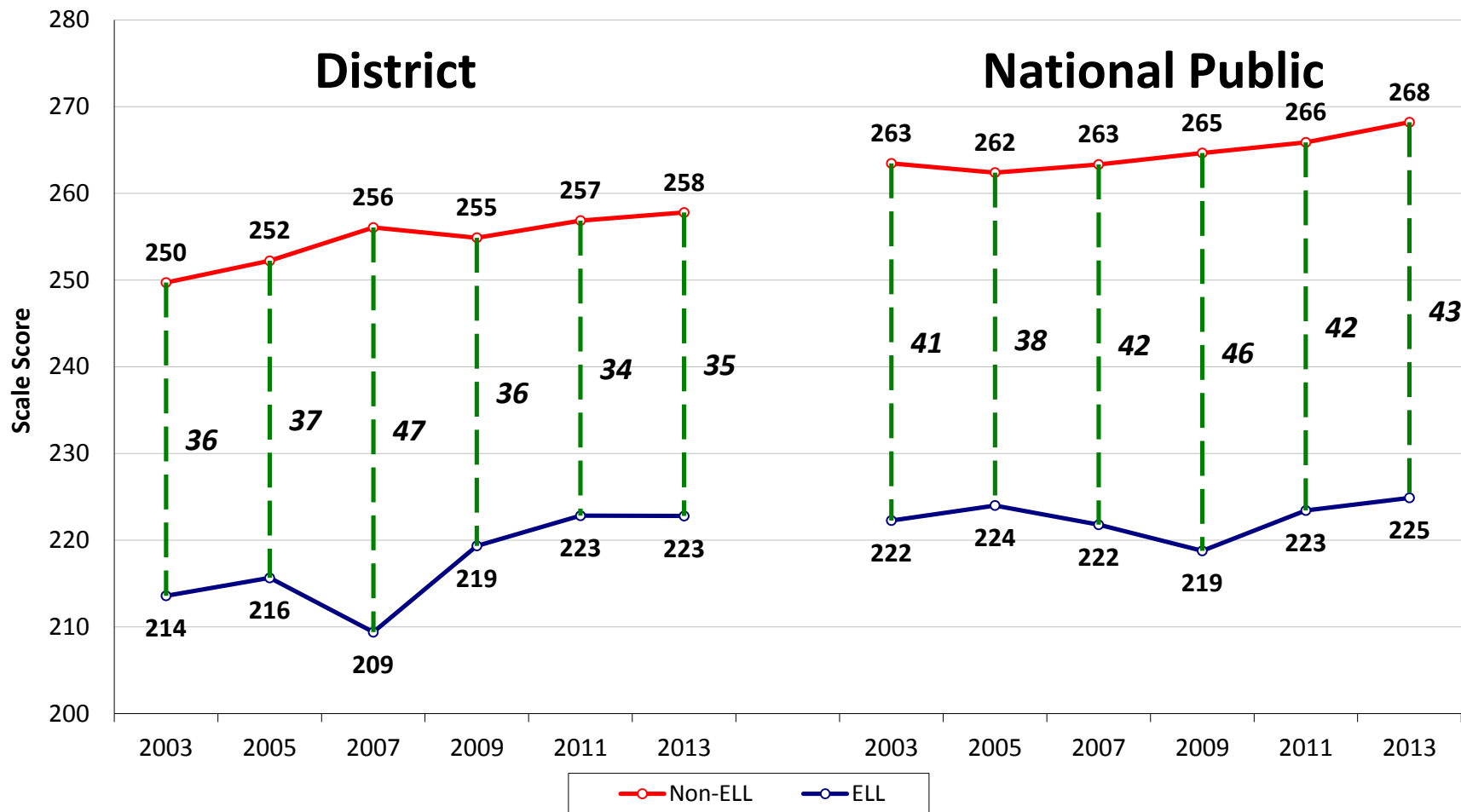


NOTE: The NAEP Reading scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.



Score Gap Comparison: ELL and Non-ELL

NAEP Reading Grade 8 – English Language Learners
Gap - Average Scale Score: 2003-2013



NOTE: The NAEP Reading scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

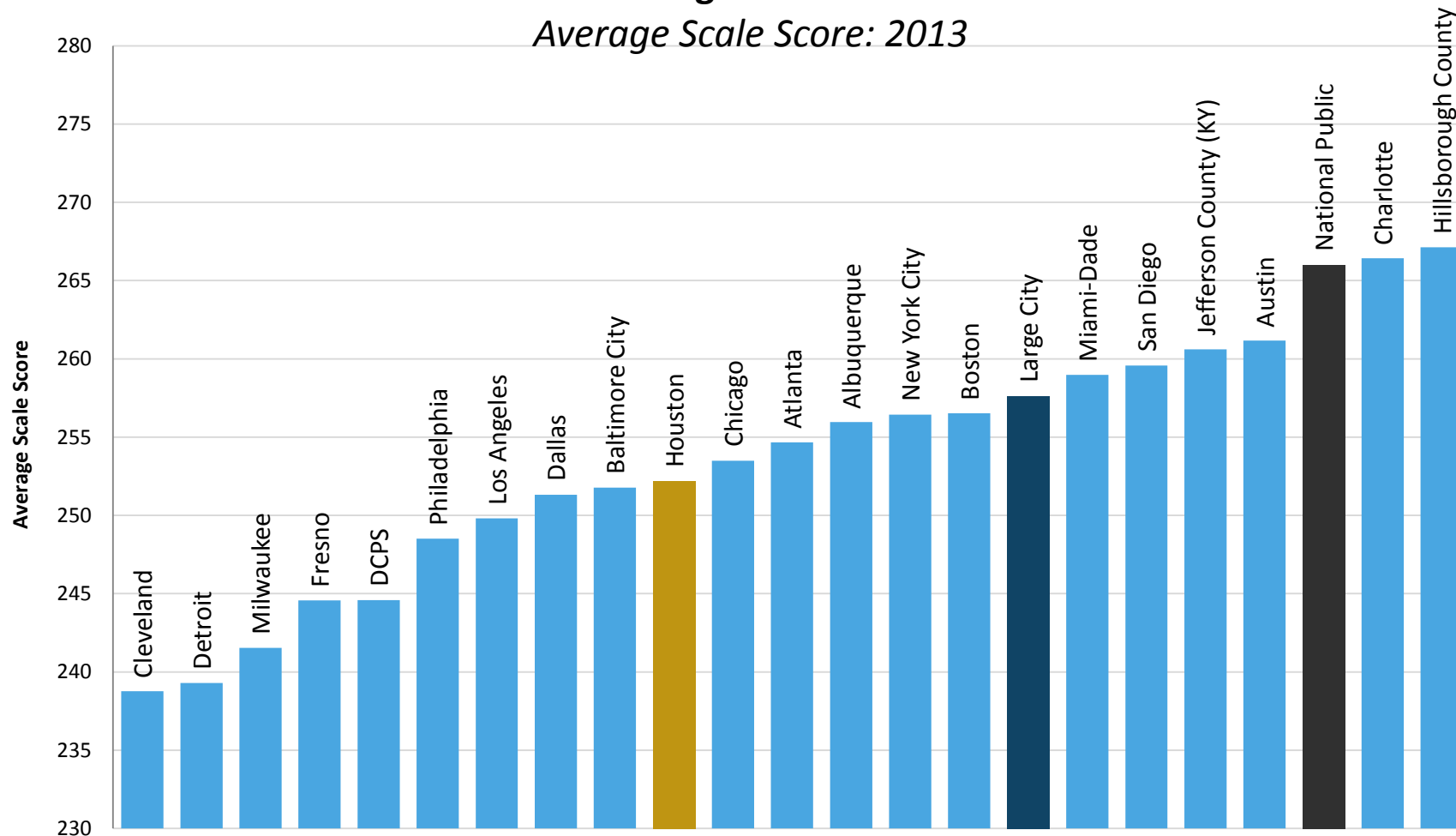
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).



2013 TUDA COMPARISON

NAEP Reading Grade 8 – Overall

Average Scale Score: 2013



**NAEP Fourth Grade Reading Scale Scores (0-500):
2002, 2003, 2005, 2007, 2009, 2011, and 2013**

Ranked by 2013 scores

Table 1: NAEP Fourth Grade Reading Assessment Scale Scores: 2002, 2003, 2005, 2007, 2009, 2011, and 2013

Jurisdiction	2002	2003	2005	2007	2009	2011	2013
Hillsborough County (FL)	+	+	+	+	+	231	228
Charlotte	+	219	221	222	225	224	226
Miami-Dade	+	+	+	+	221	221	223
National Public	217	216	217	220	220	220	221
Austin	+	+	217	218	220	224	221
Jefferson County (KY)	+	+	+	+	219	223	221
San Diego	+	208	208	210	213	215	218
Texas	217	215	219	220	219	218	217
New York City	206	210	213	213	217	216	216
Atlanta	195	197	201	207	209	212	214
Boston	+	206	207	210	215	217	214
Large City	202	204	206	208	210	211	212
Houston	206	207	211	206	211	213	208
Albuquerque	+	+	+	+	+	209	207
Chicago	193	198	198	201	202	203	206
District of Columbia	191	188	191	197	203	201	206
Dallas	+	+	+	+	+	204	205
Los Angeles	191	194	196	196	197	201	205
Baltimore City	+	+	+	+	202	200	204
Philadelphia	+	+	+	+	195	199	200
Milwaukee	+	+	+	+	196	195	199
Fresno	+	+	+	+	197	194	196
Cleveland	+	195	197	198	194	193	190
Detroit	+	+	+	+	187	191	190

+Did not participate

"Large City" includes nationally representative public schools located in large central cities (population of 250,000 or more) within metropolitan statistical areas.

**NAEP Fourth Grade Reading Scores, Percent ≥ Basic, and ≥ Proficient:
2003, 2005, 2007, 2009, 2011, and 2013**

Ranked by 2013 Basic scores

Table 2: NAEP Fourth-Grade Reading Assessment Results by Percentage of Students at or Above Basic and Proficient Levels: 2003, 2005, 2007, 2009, 2011, and 2013

Jurisdiction	Percent Tested ≥ Basic (208)						Percent Tested ≥ Proficient (238)					
	2003	2005	2007	2009	2011	2013	2003	2005	2007	2009	2011	2013
Hillsborough Co (FL)	+	+	+	+	77	75	+	+	+	+	44	40
Charlotte	64	66	66	71	70	72	31	33	35	36	36	40
Miami-Dade	+	+	+	68	67	70	+	+	+	31	32	35
National Public	62	62	66	66	66	67	30	30	32	32	32	34
Jefferson Co (KY)	+	+	+	64	68	66	+	+	+	30	35	33
Austin	+	61	62	65	68	65	+	28	30	32	36	36
San Diego	51	51	55	59	61	64	22	22	25	29	31	33
Texas	59	64	66	65	64	63	27	29	30	28	28	28
New York City	53	57	57	62	61	62	22	22	25	29	29	28
Boston	48	51	54	61	62	61	16	16	20	24	26	26
Atlanta	37	41	48	50	54	57	14	17	18	22	24	27
Large City	47	49	53	54	55	57	19	20	22	23	24	26
Albuquerque	+	+	+	+	53	54	+	+	+	+	24	24
Houston	48	52	49	55	57	52	18	21	17	19	24	19
Chicago	40	40	44	45	48	51	14	14	16	16	18	21
Los Angeles	35	37	39	40	45	50	11	14	13	13	15	18
Dallas	+	+	+	+	46	49	+	+	+	+	14	16
District of Columbia	31	33	39	46	44	49	10	11	14	18	20	25
Baltimore City	+	+	+	42	40	45	+	+	+	12	11	14
Philadelphia	+	+	+	39	43	44	+	+	+	11	13	15
Milwaukee	+	+	+	39	38	42	+	+	+	12	13	16
Fresno	+	+	+	40	37	39	+	+	+	12	11	13
Cleveland	35	37	39	34	32	33	9	10	9	8	8	9
Detroit	+	+	+	27	31	30	+	+	+	5	7	8

+Did not participate

"Large City" includes nationally representative public schools located in large central cities (population of 250,000 or more) within metropolitan statistical areas.

**NAEP Eighth Grade Reading Scale Scores (0-500):
2002, 2003, 2005, 2007, 2009, 2011, and 2013**

Ranked by 2013 scores

Table 3: NAEP Eighth Grade Reading Assessment Scale Scores: 2002, 2003, 2005, 2007, 2009, 2011, and 2013

Jurisdiction	2002	2003	2005	2007	2009	2011	2013
Hillsborough County (FL)	+	+	+	+	+	264	267
National Public	263	261	260	261	262	264	266
Charlotte	+	262	259	260	259	265	266
Texas	262	259	258	261	260	261	264
Austin		+	257	257	261	261	261
Jefferson County (KY)	+	+	+	+	259	260	261
San Diego	+	250	253	250	254	256	260
Miami-Dade	+	+	+	+	261	260	259
Large City	250	249	250	250	252	255	258
Boston	+	252	253	254	257	255	257
Albuquerque	+	+	+	+	+	254	256
New York City	+	252	251	249	252	254	256
Atlanta	236	240	240	245	250	253	255
Chicago	249	248	249	250	249	253	253
Houston	248	246	248	252	252	252	252
Baltimore City	+	+	+	+	245	246	252
Dallas	+	+	+	+	+	248	251
Los Angeles	237	234	239	240	244	246	250
Philadelphia	+	+	+	+	247	247	249
District of Columbia	240	239	238	241	240	237	245
Fresno	+	+	+	+	240	238	245
Milwaukee	+	+	+	+	241	238	242
Cleveland	+	240	240	246	242	240	239
Detroit	+	+	+	+	232	237	239

+Did not participate

"Large City" includes nationally representative public schools located in large central cities (population of 250,000 or more) within metropolitan statistical areas.

**NAEP Eighth Grade Reading Scores, Percent ≥ Basic, and ≥ Proficient:
2003, 2005, 2007, 2009, 2011, and 2013**

Ranked by 2013 Basic scores

Table 4: NAEP Eighth-Grade Reading Assessment Results by Percentage of Students at or Above Basic and Proficient Levels: 2003, 2005, 2007, 2009, 2011, and 2013

Jurisdiction	Percent Tested ≥ Basic (243)						Percent Tested ≥ Proficient (281)					
	2003	2005	2007	2009	2011	2013	2003	2005	2007	2009	2011	2013
National Public	72	71	73	74	75	77	30	29	29	30	32	35
Hillsborough Co (FL)	+	+	+	+	75	77	+	+	+	+	32	35
Charlotte	71	69	69	70	75	76	30	29	29	28	34	36
Texas	71	69	73	73	74	76	26	26	28	27	27	31
Miami-Dade	+	+	+	73	71	71	+	+	+	29	28	27
Austin	+	65	66	71	71	70	+	27	28	30	30	31
San Diego	60	63	60	65	68	70	20	23	23	25	27	29
Jefferson Co (KY)	+	+	+	68	70	69	+	+	+	26	27	29
Large City	58	60	60	63	65	68	19	20	20	21	23	26
New York City	62	61	59	62	65	67	22	20	20	21	24	25
Boston	61	61	63	68	63	66	22	23	22	23	24	28
Albuquerque	+	+	+	+	64	66	+	+	+	+	22	24
Chicago	59	60	61	60	64	64	15	17	17	17	21	20
Atlanta	47	46	53	60	63	63	11	12	13	17	17	22
Houston	55	59	63	64	64	63	14	17	18	18	18	18
Dallas	+	+	+	+	58	63	+	+	+	+	13	16
Baltimore City	+	+	+	54	54	61	+	+	+	10	12	15
Los Angeles	43	47	50	54	56	60	11	13	12	15	16	19
Philadelphia	+	+	+	56	56	58	+	+	+	15	16	16
Fresno	+	+	+	48	45	54	+	+	+	12	12	13
District of Columbia	47	45	48	48	46	53	10	12	12	14	15	17
Milwaukee	+	+	+	51	46	51	+	+	+	12	10	13
Cleveland	48	49	56	52	48	49	10	10	11	10	11	11
Detroit	+	+	+	40	43	46	+	+	+	7	7	8

+Did not participate

"Large City" includes nationally representative public schools located in large central cities (population of 250,000 or more) within metropolitan statistical areas.

Figure 1. NAEP Scale Scores: Reading Grade 4
2011 and 2013

Ranked by 2013 scores

Jurisdiction	2011	2013	2013 - 2011
Hillsborough County (FL)	231	228	-3
Charlotte	224	226	2
Miami-Dade	221	223	2
National Public	220	221	1
Jefferson County (KY)	223	221	-2
Austin	224	221	-3
San Diego	215	218	3
Texas	218	217	-1
New York City	216	216	0
Atlanta	212	214	2
Boston	217	214	-3
Large City	211	212	1
Houston	213	208	-5
Albuquerque	209	207	-2
District of Columbia	201	206	5
Chicago	203	206	3
Los Angeles	201	205	4
Dallas	204	205	1
Baltimore City	200	204	4
Philadelphia	199	200	1
Milwaukee	195	199	4
Fresno	194	196	2
Detroit	191	190	-1
Cleveland	193	190	-3

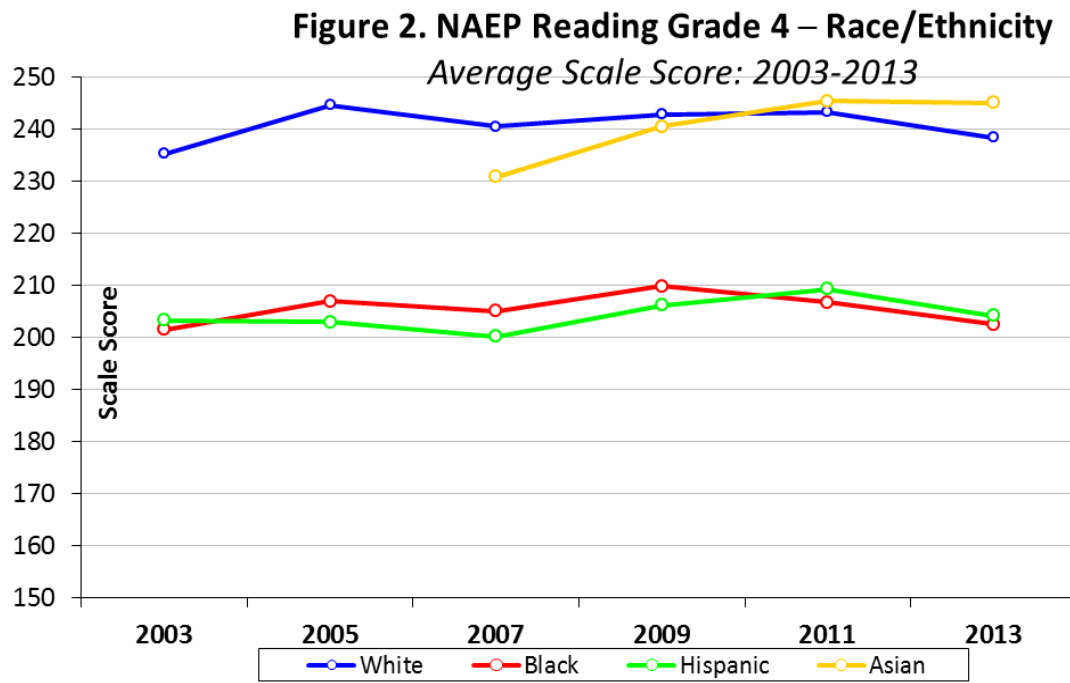
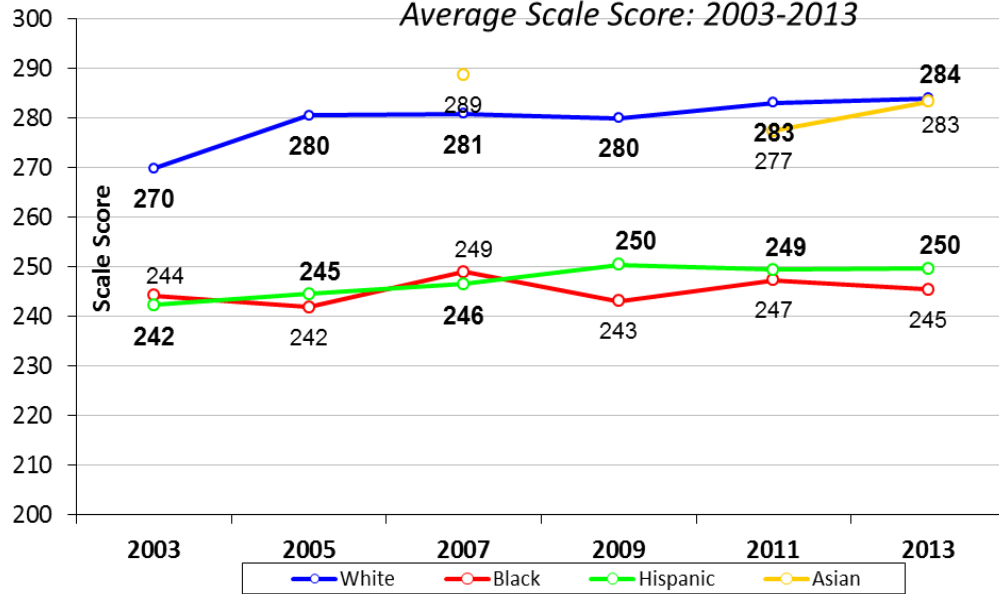


Figure 3. NAEP Scale Scores: Reading Grade 8
2011 and 2013

Ranked by 2013 scores

Jurisdiction	2011	2013	2013 - 2011
Hillsborough County (FL)	264	267	3
National Public	264	266	2
Charlotte	265	266	1
Texas	261	264	3
Austin	261	261	0
Jefferson County (KY)	260	261	1
San Diego	256	260	4
Miami-Dade	260	259	-1
Large City	255	258	3
Boston	255	257	2
Albuquerque	254	256	2
New York City	254	256	2
Atlanta	253	255	2
Chicago	253	253	0
Houston	252	252	0
Baltimore City	246	252	6
Dallas	248	251	3
Los Angeles	246	250	4
Philadelphia	247	249	2
District of Columbia	237	245	8
Fresno	238	245	7
Milwaukee	238	242	4
Cleveland	240	239	-1
Detroit	237	239	2

Figure 4. NAEP Reading Grade 8 – Race/Ethnicity*Average Scale Score: 2003-2013*

NOTE: The NAEP Reading scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

NAEP Reading Sample/Exclusions: 2003, 2005, 2007, 2009, 2011, and 2013**Table 5:** Percentage of Identified and Excluded Students with Disabilities (SD) and English Language Learners (ELLs) for HISD: 2003, 2005, 2007, 2009, 2011, and 2013 Reading

Group	Grade 4						Grade 8					
	2003	2005	2007	2009	2011	2013	2003	2005	2007	2009	2011	2013
TUDA Sample	1,889	1,700	2,400	2,000	2,400	2,300	1,660	1,700	2,000	1,900	2,000	2,100
SD/ELL Identified	42%	44%	45%	43%	44%	46%	27%	24%	23%	22%	23%	25%
SD/ELL Excluded	24%	23%	17%	18%	14%	6%	10%	7%	9%	8%	6%	4%
SD Identified	18%	12%	11%	7%	8%	8%	18%	13%	13%	12%	12%	10%
SD Excluded	9%	7%	6%	4%	4%	3%	7%	5%	6%	6%	5%	3%
ELL Identified	33%	36%	37%	38%	38%	40%	16%	14%	13%	12%	14%	17%
ELL Excluded	20%	19%	13%	16%	12%	5%	6%	4%	4%	4%	2%	2%

NAEP Reading Fourth Grade Characteristics: 2003, 2005, 2007, 2009, 2011, and 2013**Table 6:** Selected Characteristics of Public School Students in NAEP Fourth Grade Reading, by Jurisdiction: 2013

Jurisdiction	Students Assessed, N	% White	% Black	% Hispanic	% Asian /Pacific Islander	% Eligible For Lunch Program	% with Disabilities	% English Language Learners
Nation	184,000	51	15	25	5	54	12	10
Large City	47,300	20	26	43	8	73	11	18
Houston	2,300	8	22	67	3	82	6	36
Albuquerque	1,600	21	2	68	2	72	15	20
Atlanta	1,800	19	71	8	1	73	9	3
Austin	1,500	26	7	61	3	62	12	32
Baltimore	1,200	9	86	4	1	86	4	2
Boston	1,800	13	33	42	8	85	18	34
Charlotte	1,600	32	37	19	6	57	11	7
Chicago	2,300	9	40	46	4	84	12	14
Cleveland	1,200	15	66	14	1	100	18	7
Dallas	1,300	4	28	66	1	93	6	36
Detroit	1,100	4	78	16	1	88	10	14
District of Columbia	1,400	13	67	16	2	76	13	6
Fresno	1,600	13	9	65	11	91	7	26
Hillsborough Co (FL)	1,600	36	20	35	4	58	18	9
Jefferson Co (KY)	1,600	51	37	7	3	65	10	3
Los Angeles	2,200	9	12	70	8	83	8	27
Miami-Dade	2,100	8	23	67	1	74	9	21
Milwaukee	1,300	15	49	27	7	83	17	13
New York	2,300	17	24	42	16	79	17	15
Philadelphia	1,400	15	55	19	7	94	13	6
San Diego	1,400	25	9	47	14	66	9	32

Rounds to zero

NAEP Reading Eighth Grade Characteristics: 2003, 2005, 2007, 2009, 2011, and 2013**Table 7:** Selected Characteristics of Public School Students in NAEP Eighth Grade Reading, by Jurisdiction: 2013

Jurisdiction	Students Assessed, N	% White	% Black	% Hispanic	% Asian /Pacific Islander	% Eligible For Lunch Program	% with Disabilities	% English Language Learners
Nation	166,300	53	15	23	5	49	11	5
Large City	41,100	20	27	42	8	69	11	10
Houston	2,100	7	27	62	3	79	7	15
Albuquerque	1,200	22	2	67	2	66	15	13
Atlanta	1,400	11	82	6	1	81	11	1
Austin	1,300	26	9	59	3	61	12	14
Baltimore	900	8	88	3	1	83	5	0
Boston	1,600	15	38	35	10	80	18	21
Charlotte	1,300	32	42	18	5	54	10	7
Chicago	2,100	9	44	42	4	83	14	6
Cleveland	1,200	15	66	15	1	100	23	7
Dallas	1,400	4	24	69	2	89	7	21
Detroit	900	2	87	10	1	84	12	11
District of Columbia	900	8	74	15	2	76	19	5
Fresno	1,200	11	9	65	12	89	6	14
Hillsborough Co (FL)	1,400	38	21	34	3	56	14	7
Jefferson Co (KY)	1,400	52	37	6	3	62	8	4
Los Angeles	2,000	11	8	73	8	80	10	13
Miami-Dade	2,100	8	21	69	1	74	10	10
Milwaukee	1,300	13	59	23	3	82	20	8
New York	2,100	11	31	41	16	77	16	14
Philadelphia	1,200	16	56	18	7	87	17	7
San Diego	1,200	23	11	42	19	60	12	14

Rounds to zero

**NAEP Fourth Grade Mathematics Scale Scores (0-500):
2003, 2005, 2007, 2009, 2011, and 2013**

Ranked by 2013 scores

Table 8: NAEP Fourth Grade Mathematics Assessment Scale Scores: 2003, 2005, 2007, 2009, 2011, and 2013

TUDA Group	2002	2003	2005	2007	2009	2011	2013
Charlotte	-	242	244	244	245	247	247
Austin	-	+	242	217	240	245	245
Hillsborough County (FL)	-	+	+	+	+	243	243
Texas	-	237	242	242	240	241	242
National Public	-	234	237	239	239	240	241
San Diego	-	226	232	234	236	239	241
Boston	-	220	229	233	236	237	237
Miami-Dade	-	+	+	+	236	236	237
Houston	-	227	233	234	236	237	236
New York City	-	226	231	236	237	234	236
Albuquerque	-	+	+	+	+	235	235
Atlanta	-	216	221	224	225	228	235
Large City	-	224	228	230	231	233	235
Dallas	-	+	+	+	+	233	234
Jefferson County (KY)	-	+	+	+	233	235	234
Chicago	-	214	216	220	222	224	231
District of Columbia	-	205	211	214	220	222	229
Los Angeles	-	216	220	221	222	223	228
Baltimore City	-	+	+	+	222	226	223
Philadelphia	-	+	+	+	222	225	223
Milwaukee	-	+	+	+	220	220	221
Fresno	-	+	+	+	219	218	220
Cleveland	-	215	220	215	213	216	216
Detroit	-	+	+	+	200	203	204

-Not assessed

+Did not participate

"Large City" includes nationally representative public schools located in large central cities (population of 250,000 or more) within metropolitan statistical areas.

**NAEP Fourth Grade Mathematics Scores, Percent ≥ Basic, and ≥ Proficient:
2003, 2005, 2007, 2009, 2011, and 2013**

Ranked by 2013 Basic scores

Table 9: NAEP Fourth-Grade Math Assessment Results by Percentage of Students at or Above Basic and Proficient Levels: 2003, 2005, 2007, 2009, 2011, and 2013

TUDA Group	Percent Tested ≥ Basic						Percent Tested ≥ Proficient					
	2003	2005	2007	2009	2011	2013	2003	2005	2007	2009	2011	2013
Charlotte	84	86	85	86	88	87	41	44	44	45	48	50
Austin	+	85	83	83	87	85	+	40	40	38	46	47
Hillsborough Co (FL)	+	+	+	+	86	85	+	+	+	+	43	43
Texas	82	87	87	85	85	84	33	40	40	38	39	41
National Public	76	79	81	81	82	82	31	35	39	38	40	41
San Diego	66	74	74	77	80	81	20	29	35	36	39	43
Miami-Dade	+	+	+	81	79	81	+	+	+	33	33	35
Boston	59	72	77	81	81	80	12	22	27	31	33	34
Houston	70	77	80	82	82	80	18	26	28	30	32	32
Dallas	+	+	+	+	79	78	+	+	+	+	25	31
New York City	67	73	79	79	76	77	21	26	34	35	32	34
Albuquerque	+	+	+	+	76	75	+	+	+	+	34	34
Large City	63	68	70	72	74	75	20	24	28	29	30	33
Jefferson Co (KY)	+	+	+	72	78	75	+	+	+	31	32	33
Atlanta	50	57	61	63	66	72	13	17	20	21	25	31
Chicago	50	52	58	62	64	70	10	13	16	18	20	27
Los Angeles	52	58	60	61	63	69	13	18	19	19	20	25
District of Columbia	36	45	49	57	59	64	7	10	14	19	23	30
Baltimore City	+	+	+	64	68	62	+	+	+	13	17	19
Philadelphia	+	+	+	61	66	62	+	+	+	16	20	19
Milwaukee	+	+	+	59	58	61	+	+	+	15	14	18
Fresno	+	+	+	58	56	59	+	+	+	14	15	15
Cleveland	51	60	53	51	53	54	10	13	10	8	11	13
Detroit	+	+	+	31	34	35	+	+	+	3	3	4

+Did not participate

"Large City" includes nationally representative public schools located in large central cities (population of 250,000 or more) within metropolitan statistical areas.

NAEP Eighth Grade Mathematics Scale Scores (0-500):
2003, 2005, 2007, 2009, 2011, and 2013

Ranked by 2013 scores

Table 10: NAEP Eighth Grade Mathematics Assessment Scale Scores: 2003, 2005, 2007, 2009, 2011, and 2013

TUDA Group	2002	2003	2005	2007	2009	2011	2013
Charlotte	-	279	281	283	283	285	289
Texas	-	277	281	286	287	290	288
Austin	-	+	281	283	287	287	285
Hillsborough Co (FL)	-	+	+	+	+	282	284
Nation	-	276	278	280	282	283	284
Boston	-	262	270	276	279	282	283
Houston	-	264	267	273	277	279	280
San Diego	-	264	270	272	280	278	277
Large City	-	262	265	269	271	274	276
Dallas	-	+	+	+	+	274	275
Albuquerque	-	+	+	+	+	275	274
Miami-Dade	-	+	+	+	273	272	274
New York	-	266	267	270	273	272	274
Jefferson Co (KY)	-	+	+	+	271	274	273
Chicago	-	254	258	260	264	270	269
Atlanta	-	244	245	256	259	266	267
Philadelphia	-	+	+	+	265	265	266
Los Angeles	-	245	250	257	258	261	264
Baltimore	-	+	+	+	257	261	260
District of Columbia	-	243	245	248	251	255	260
Fresno	-	+	+	+	258	256	260
Milwaukee	-	+	+	+	251	254	257
Cleveland	-	253	249	257	256	256	253
Detroit	-	+	+	+	238	246	240

-Not assessed

+Did not participate

"Large City" includes nationally representative public schools located in large central cities (population of 250,000 or more) within metropolitan statistical areas.

**NAEP Eighth Grade Mathematics Scores, Percent ≥ Basic, and ≥ Proficient:
2003, 2005, 2007, 2009, 2011, and 2013**

Ranked by 2013 Basic scores

Table 11: NAEP Eighth-Grade Math Assessment Results by Percentage of Students at or Above Basic and Proficient Levels: 2003, 2005, 2007, 2009, 2011, and 2013

TUDA Group	Percent Tested ≥ Basic						Percent Tested ≥ Proficient					
	2003	2005	2007	2009	2011	2013	2003	2005	2007	2009	2011	2013
Texas	69	72	78	78	81	80	25	31	35	36	40	38
Charlotte	67	69	70	72	72	75	32	33	34	33	37	40
Austin	+	68	72	75	74	73	+	33	34	39	38	35
Hillsborough Co (FL)	+	+	+	+	72	73	+	+	+	+	32	35
Nation	67	68	70	71	72	73	27	28	31	33	34	34
Houston	52	58	65	69	72	72	12	16	21	24	27	28
Boston	48	58	65	67	69	70	17	23	27	31	34	35
Dallas	+	+	+	+	64	67	+	+	+	+	22	23
San Diego	53	61	62	68	66	65	18	22	24	32	31	31
Large City	50	53	57	60	63	65	16	19	22	24	26	27
Miami-Dade	+	+	+	64	61	63	+	+	+	22	22	24
Albuquerque	+	+	+	+	63	62	+	+	+	+	26	26
Jefferson Co (KY)	+	+	+	60	62	61	+	+	+	22	25	25
New York City	54	54	57	60	59	61	20	20	22	26	24	25
Chicago	42	45	49	51	60	57	9	11	13	15	20	20
Philadelphia	+	+	+	52	52	54	+	+	+	17	18	19
Los Angeles	32	38	45	46	49	54	7	11	14	13	16	18
Atlanta	30	31	41	46	54	54	6	7	11	11	16	17
Fresno	+	+	+	46	43	48	+	+	+	15	13	12
District of Columbia	29	31	34	38	42	47	6	7	8	12	15	16
Baltimore City	+	+	+	43	48	46	+	+	+	10	13	13
Milwaukee	+	+	+	37	41	44	+	+	+	7	10	11
Cleveland	38	34	45	42	41	39	6	6	7	8	10	9
Detroit	+	+	+	23	29	24	+	+	+	4	4	3

+Did not participate

"Large City" includes nationally representative public schools located in large central cities (population of 250,000 or more) within metropolitan statistical areas.

Figure 5. NAEP Scale Scores: Mathematics Grade 4
2011 and 2013

Ranked by 2013 scores


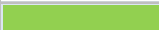













































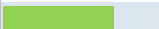


















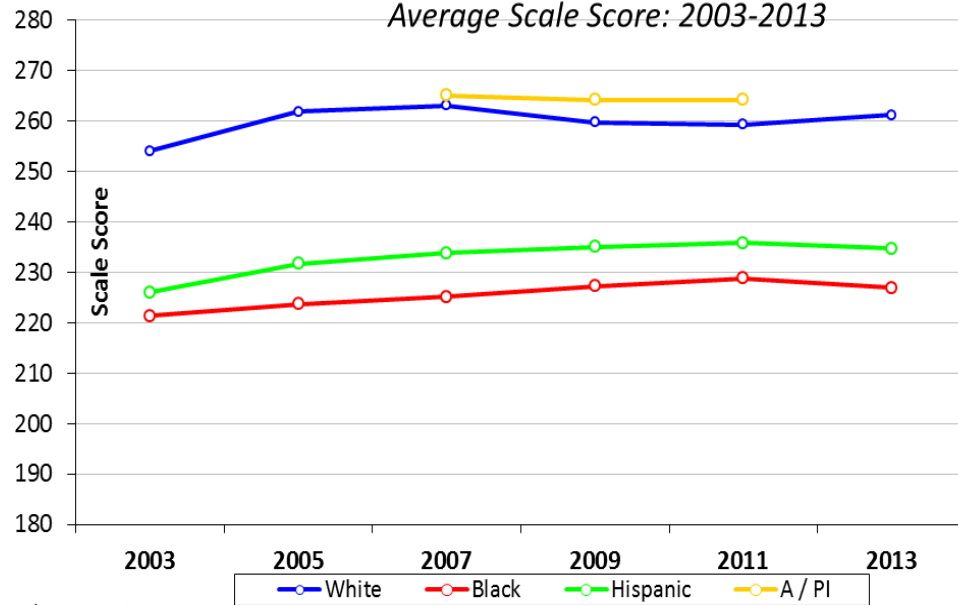

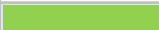











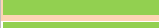








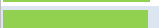

















































Jurisdiction	2011	2013	2013 - 2011
Charlotte	 247	 247	0
Austin	 245	 245	0
Hillsborough County (FL)	 243	 243	0
Texas	 241	 242	 1
National Public	 240	 241	 1
San Diego	 239	 241	 2
Boston	 237	 237	0
Miami-Dade	 236	 237	 1
Houston	 237	 236	 -1
New York City	 234	 236	 2
Albuquerque	 235	 235	0
Atlanta	 228	 235	 7
Large City	 233	 235	 2
Dallas	 233	 234	 1
Jefferson County (KY)	 235	 234	 -1
Chicago	 224	 231	 7
District of Columbia	 222	 229	 7
Los Angeles	 223	 228	 5
Baltimore City	 226	 223	 -3
Philadelphia	 225	 223	 -2
Milwaukee	 220	 221	 1
Fresno	 218	 220	 2
Cleveland	 216	 216	0
Detroit	 203	 204	 1

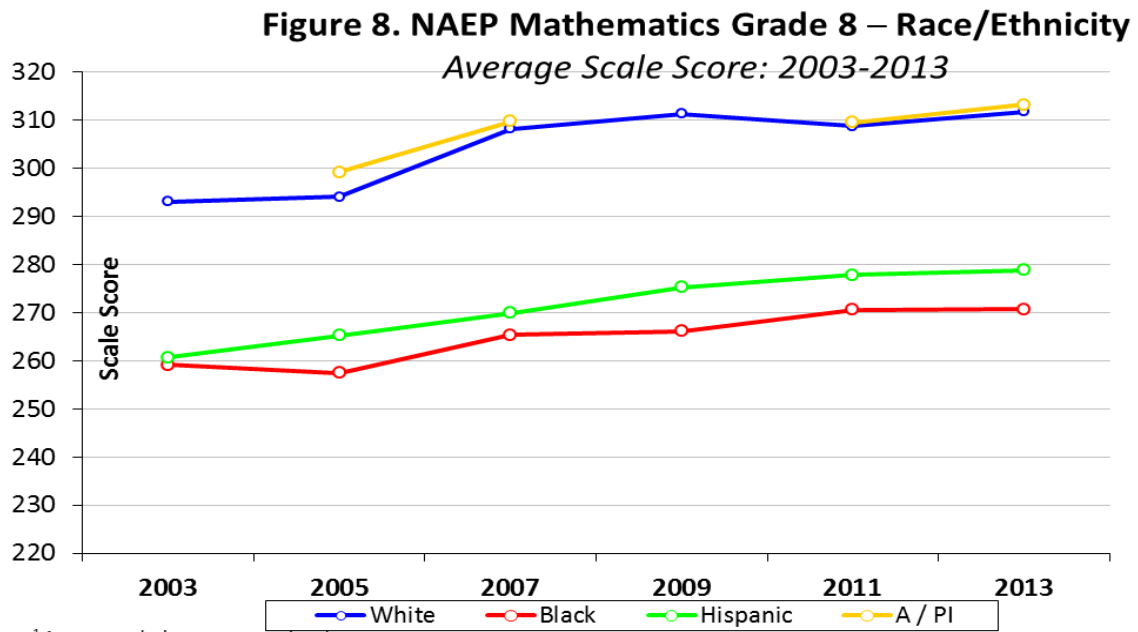
Figure 6. NAEP Mathematics Grade 4 – Race/Ethnicity*Average Scale Score: 2003-2013*¹Accommodations not permitted.

NOTE: The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically

Figure 7. NAEP Scale Scores: Mathematics Grade 8
2011 and 2013

Ranked by 2013 scores

Jurisdiction	2011	2013	2013 - 2011
Charlotte	 285	 289	 4
Texas	 290	 288	 -2
Austin	 287	 285	 -2
Hillsborough Co (FL)	 282	 284	 2
Nation	 283	 284	 1
Boston	 282	 283	 1
Houston	 279	 280	 1
San Diego	 278	 277	 -1
Large City	 274	 276	 2
Dallas	 274	 275	 1
Albuquerque	 275	 274	 -1
Miami-Dade	 272	 274	 2
New York	 272	 274	 2
Jefferson Co (KY)	 274	 273	 -1
Chicago	 270	 269	 -1
Atlanta	 266	 267	 1
Philadelphia	 265	 266	 1
Los Angeles	 261	 264	 3
Baltimore	 261	 260	 -1
District of Columbia	 255	 260	 5
Fresno	 256	 260	 4
Milwaukee	 254	 257	 3
Cleveland	 256	 253	 -3
Detroit	 246	 240	 -6



NAEP Mathematics Sample/Exclusions: 2003, 2005, 2007, 2009, 2011, and 2013**Table 12:** Percentage of Identified and Excluded Students with Disabilities (SD) and English Language Learners (ELLs) for HISD: 2003, 2005, 2007, 2009, 2011, and 2013 Mathematics

Group	Grade 4						Grade 8					
	2003	2005	2007	2009	2011	2013	2003	2005	2007	2009	2011	2013
TUDA Sample	1,889	1,700	2,400	2,000	2,700	2,300	1,660	1,700	2,000	1,900	2,000	2,000
SD/ELL Identified	45%	46%	45%	43%	44%	46%	26%	24%	22%	22%	23%	25%
SD/ELL Excluded	8%	7%	4%	3%	4%	2%	8%	6%	6%	5%	6%	2%
SD Identified	18%	12%	10%	7%	8%	8%	16%	11%	13%	12%	12%	10%
SD Excluded	7%	5%	3%	2%	3%	1%	7%	4%	5%	5%	5%	2%
ELL Identified	35%	37%	38%	38%	38%	40%	16%	15%	12%	12%	14%	17%
ELL Excluded	4%	4%	2%	2%	2%	1%	5%	3%	2%	2%	2%	1%

NAEP Mathematics Fourth Grade Characteristics: 2003, 2005, 2007, 2009, 2011, and 2013**Table 13:** Selected Characteristics of Public School Students in NAEP Fourth Grade Mathematics, by Jurisdiction: 2013

Jurisdiction	Students Assessed, N	% White	% Black	% Hispanic	% Asian /Pacific Islander	% Eligible For Lunch Program	% with Disabilities	% English Language Learners
Nation	180,200	51	16	25	5	54	12	11
Large City	46,800	20	26	43	8	73	12	20
Houston	2,300	7	21	68	3	83	7	39
Albuquerque	1,500	21	2	67	2	71	15	19
Atlanta	1,800	18	71	8	1	73	9	3
Austin	1,500	26	7	61	3	62	13	34
Baltimore	1,400	8	85	5	1	87	17	4
Boston	1,700	13	34	42	8	85	18	35
Charlotte	1,500	33	38	19	6	56	10	8
Chicago	2,300	9	39	46	4	84	12	14
Cleveland	1,200	15	66	14	1	100	18	7
Dallas	1,500	3	24	70	2	94	8	51
Detroit	1,100	4	78	17	2	88	11	15
District of Columbia	1,400	13	67	16	2	76	14	7
Fresno	1,500	12	10	65	11	91	8	27
Hillsborough Co (FL)	1,600	36	20	35	4	58	18	10
Jefferson Co (KY)	1,600	50	37	7	3	65	12	5
Los Angeles	2,200	9	12	71	8	84	8	27
Miami-Dade	2,100	9	23	67	1	74	10	23
Milwaukee	1,300	15	50	28	7	83	17	13
New York	2,200	17	24	42	16	79	17	15
Philadelphia	1,400	16	54	19	7	94	13	7
San Diego	1,400	25	9	47	14	66	10	31

Rounds to zero

NAEP Mathematics Eighth Grade Characteristics: 2003, 2005, 2007, 2009, 2011, and 2013**Table 14:** Selected Characteristics of Public School Students in NAEP Eighth Grade Mathematics, by Jurisdiction: 2013

Jurisdiction	Students Assessed, N	% White	% Black	% Hispanic	% Asian /Pacific Islander	% Eligible For Lunch Program	% with Disabilities	% English Language Learners
Nation	164,600	53	15	23	5	50	12	5
Large City	40,500	21	26	42	8	68	12	10
Houston	2,000	7	27	62	4	79	8	16
Albuquerque	1,100	21	2	68	2	66	15	14
Atlanta	1,300	10	82	6	1	81	11	2
Austin	1,400	26	9	59	3	61	14	15
Baltimore	1,100	7	87	3	1	84	18	2
Boston	1,500	15	38	35	10	80	17	22
Charlotte	1,300	32	42	18	5	55	10	8
Chicago	2,100	9	44	42	4	83	14	7
Cleveland	1,200	14	67	15	1	100	24	7
Dallas	1,400	5	24	69	1	89	7	21
Detroit	900	2	87	10	1	84	14	11
District of Columbia	1,000	7	74	15	2	77	18	7
Fresno	1,200	12	10	65	12	89	8	14
Hillsborough Co (FL)	1,400	38	21	34	3	56	14	8
Jefferson Co (KY)	1,400	52	37	6	3	63	10	4
Los Angeles	2,000	10	8	73	8	80	11	14
Miami-Dade	2,000	8	21	69	1	74	9	11
Milwaukee	1,200	12	59	23	3	82	20	8
New York	2,100	11	31	42	16	77	16	14
Philadelphia	1,200	16	56	18	7	88	17	7
San Diego	1,100	23	10	43	19	60	12	11

Rounds to zero