

# NAEP 2024 Mathematics and Reading TUDA Results

January 2025



# What is NAEP?

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- NAEP is the only assessment that measures what U.S. students know and can do in various subjects across the nation, states, and in some cases, urban districts.
- NAEP results are released in “The Nation’s Report Card”

The logo for "The Nation's Report Card" features the word "The" in a smaller blue font, followed by "Nation's" in a large, bold, blue serif font, and "Report Card" in a slightly smaller blue serif font. A gold five-pointed star is positioned to the right of the word "Nation's".

## The Nation's Report Card

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National Assessment of  
Educational Progress



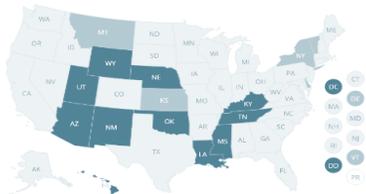
# What does NAEP measure?



Overall student performance for key demographic groups



Change over time



Differences between the nation, states, and urban districts



# How are NAEP results interpreted?

## Scale Scores

Raw scores are reported through scale scores, which adjust for question difficulty rather than just counting right and wrong answers. NAEP uses a method called **Item Response Theory (IRT) to weigh harder questions more and easier questions less when calculating a student's overall performance.** This creates a fair and accurate score that allows for comparisons across different groups, years, and versions of the test.

## Student Achievement

Student achievement is reported through **achievement levels**, which categorize performance as **Below Basic, Basic, Proficient, or Advanced.** These levels help explain what students know and can do at each stage, rather than just relying on a numerical score. NAEP sets these levels based on expert judgment and statistical analysis to ensure they reflect meaningful differences in student learning.

## Student Growth

**Growth** is analyzed by **comparing the performance of different student groups or subjects across years and grade levels to see trends in progress.** NAEP does not track the same students over time, so growth cannot be measured at the individual student level. Instead, it reflects changes in group performance to assess overall progress. **We can assess growth in scale score and growth in achievement levels.**

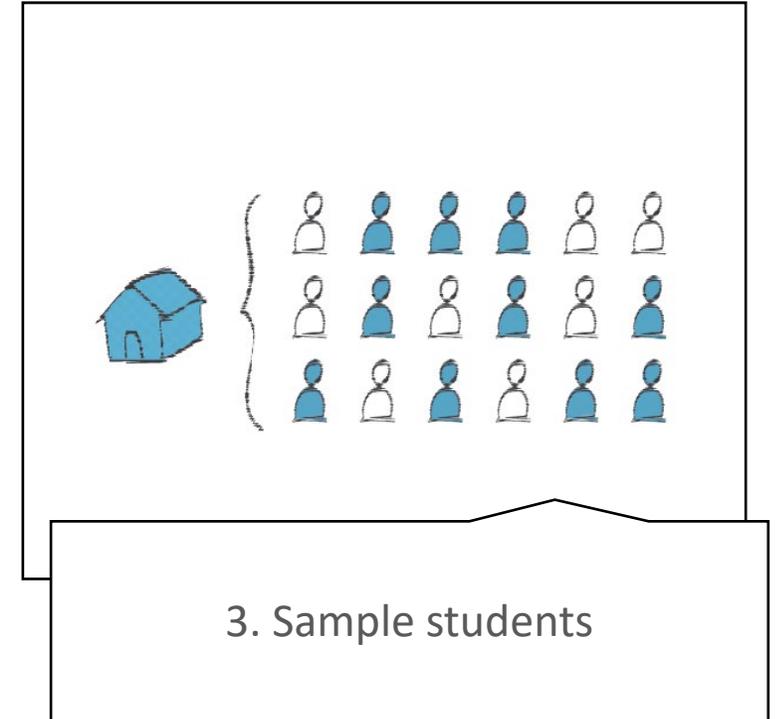
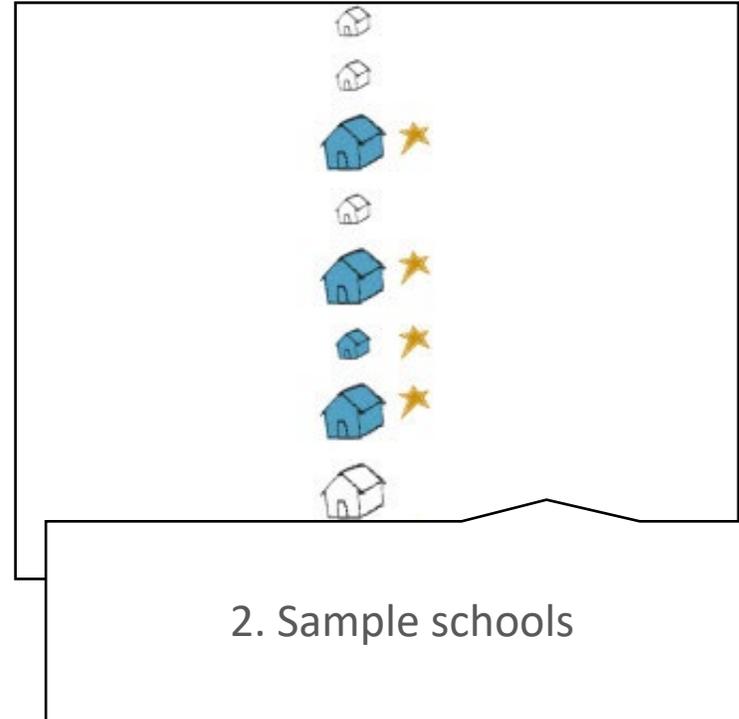
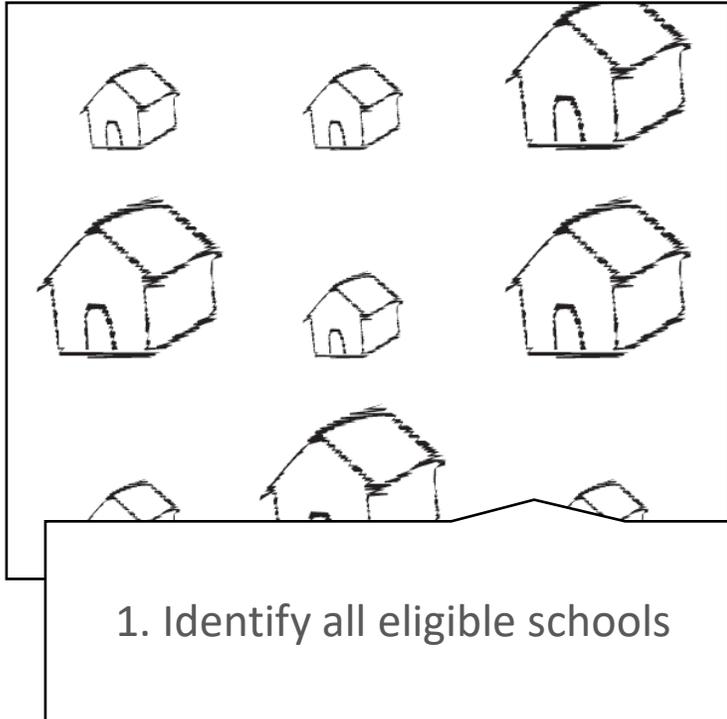


# How are results categorized?

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- **National Public Districts:** K-12 public school
  - **Large City:** A Principal city with a population of 250,000 or more
  - **State:** The 50 states
  - **TUDA Districts:** 27 Large Urban Districts (Including Houston ISD)
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# How are schools and students selected?



# Who comprises HISD's 2024 representative sample?

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Students from...

108 Total  
Schools

64 Elementary  
Schools

44 Middle  
Schools

30 NES  
Campuses

78 PUA  
Campuses

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# There's much to celebrate about the direction HISD students are heading



HISD is rebounding from pandemic learning loss at a faster rate than the State, National Public Districts, and Large City Districts.

In 3 of the 4 assessments, HISD students are performing as well as they were in 2019, **reversing a declining trend in performance.**

HISD's **economically disadvantaged students demonstrate a higher rate of academic growth** compared to their peers in similar districts and Large City districts.

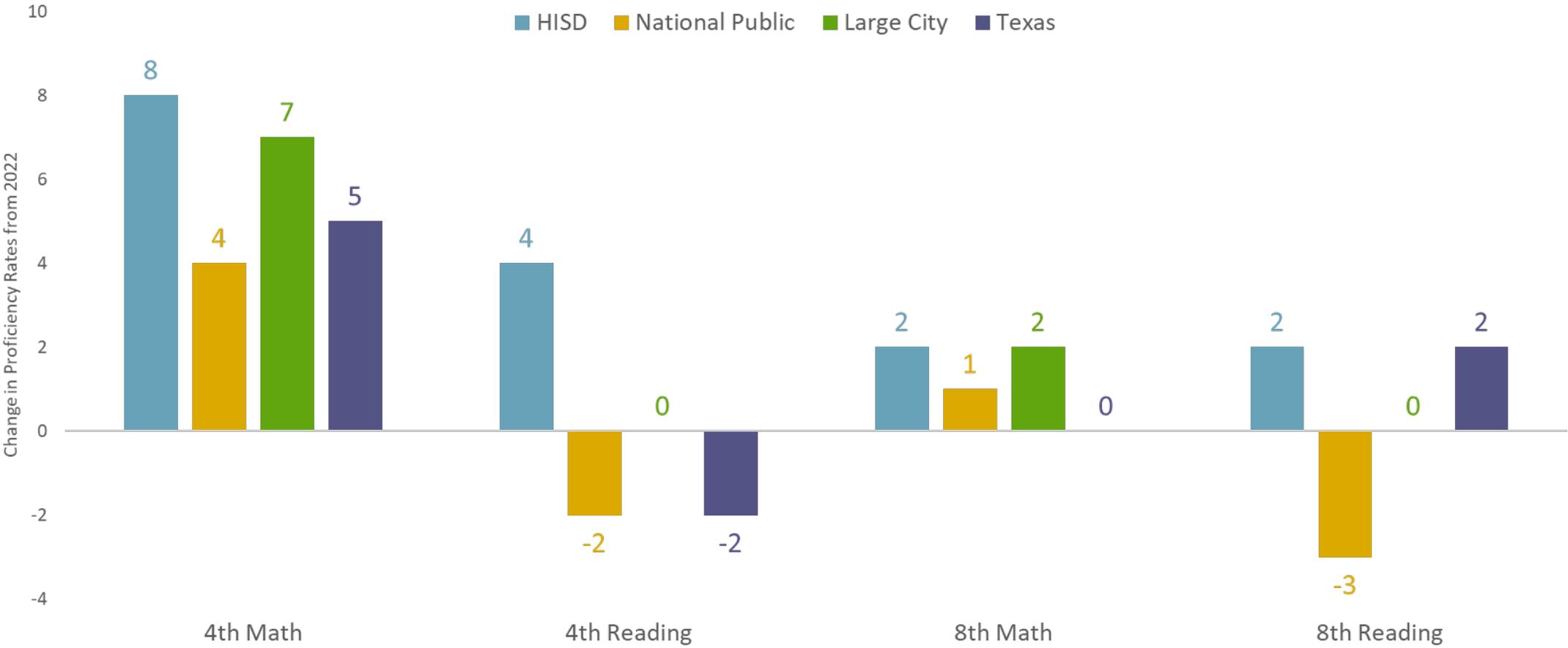
# There's much to celebrate about the direction HISD students are heading



In 4th grade reading, **HISD's Black students reversed a historically-declining trend and increased 8 scale score points** while Black students in Large City, National Public, and Texas districts saw a decline in performance.

In 8th grade reading, **students with disabilities demonstrated historical rates of growth, growing 10 scale score points**, while their peers at the National, State, and Large City districts experienced a decrease. The average scaled score for HISD students with disabilities in 8th grade reading is now on par with their peers in Large City districts and at the State level.

# HISD Growth Outpaces National, Large City, and Texas Growth: 2022 to 2024



# 4<sup>th</sup> Grade Performance Summary

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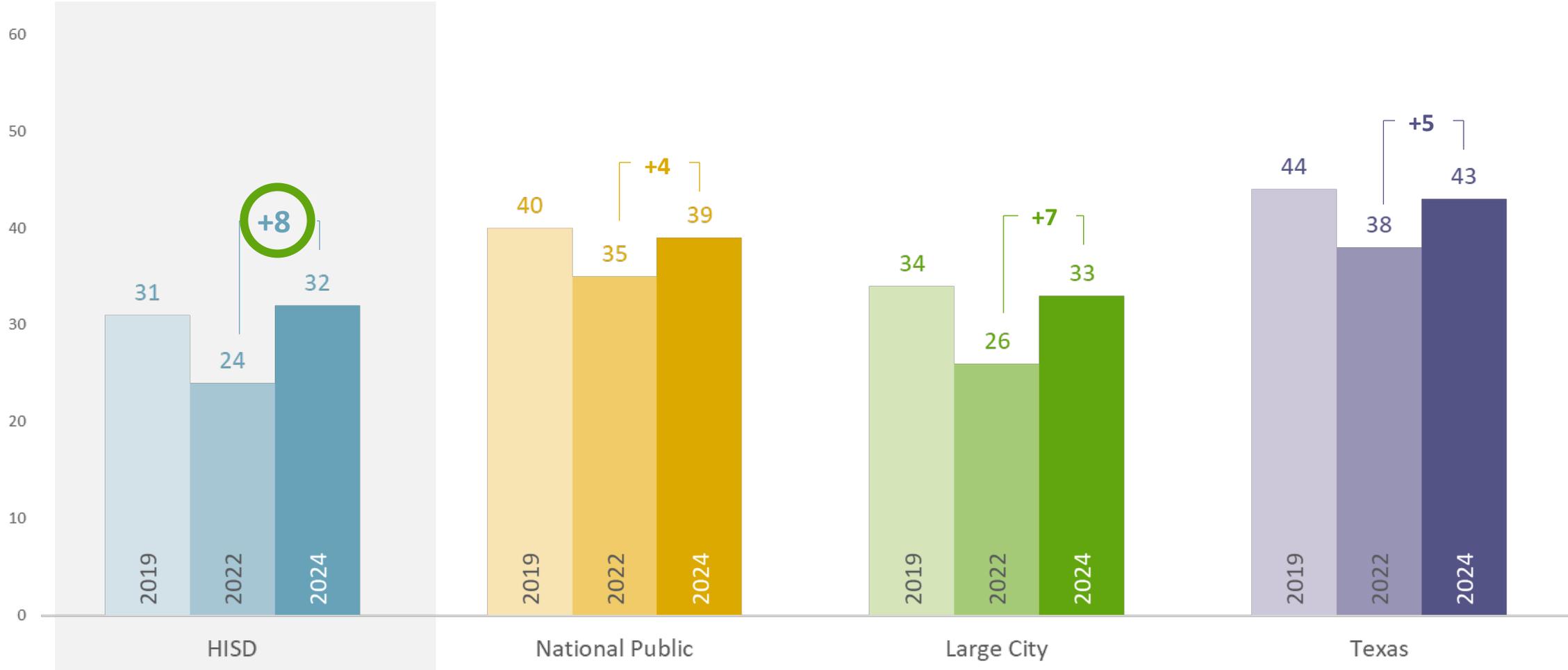
## 4<sup>th</sup> Grade Math

- The scale score **growth** at HISD is **3x higher** than the rate of growth in Texas.
- HISD scale score **growth** is higher than National Public district growth.

## 4<sup>th</sup> Grade Reading

- HISD increased the **percentage of students proficient or above** in 4<sup>th</sup> grade reading by 4 percentage points, while the National Public, Texas, and Large City district trends remained flat or declined.
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# HISD made the largest gains in proficiency in 4<sup>th</sup> grade math as compared to peers



4<sup>th</sup> Grade Math: Percent of Students At or Above Proficient

# 8<sup>th</sup> Grade Performance Summary



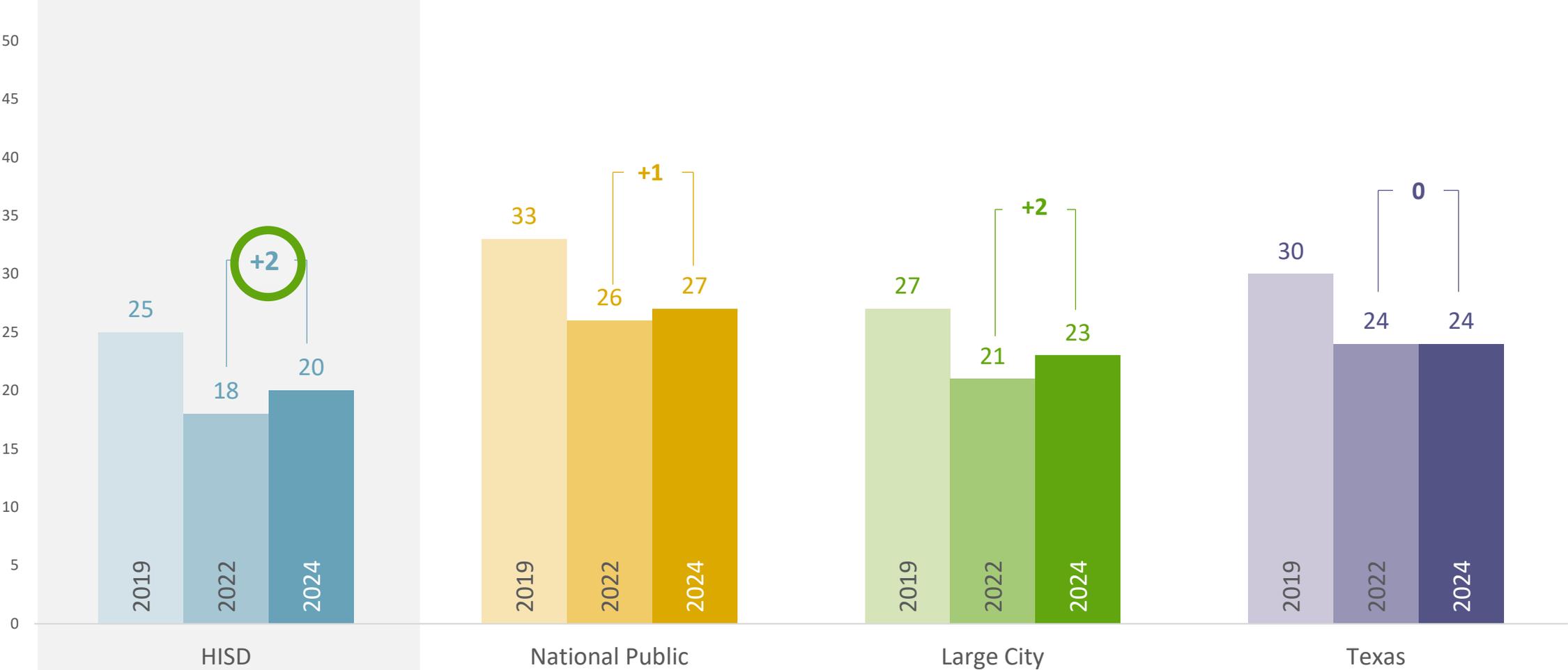
## 8<sup>th</sup> Grade Math

Similar to Texas and the Nation, HISD saw a **slight decline in its 8<sup>th</sup> grade math performance**. 8<sup>th</sup> grade math scores decreased by 1 scale score point, while National and State scores decreased by 1 and 4, respectively. **Economically disadvantaged Black students achieved a higher average scale score than their peers at 19 out of 22 Large City and National Public districts.**

## 8<sup>th</sup> Grade Reading

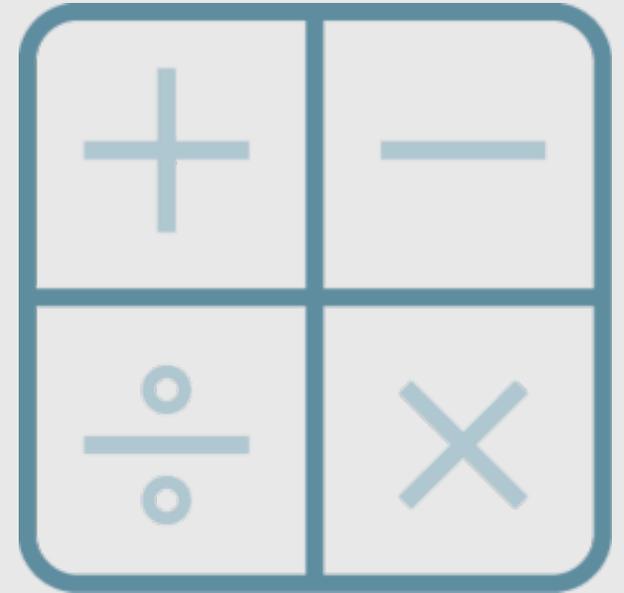
While National, State-level, and Large City district performance declined, **HISD's performance remained steady**. **Emergent Bilingual students' scale score increased by 7 points**, moving ahead of their Large City and National peers and nearly pulling even with Texas's scale score performance.

# HISD made slight improvements in proficiency in 8<sup>th</sup> grade math

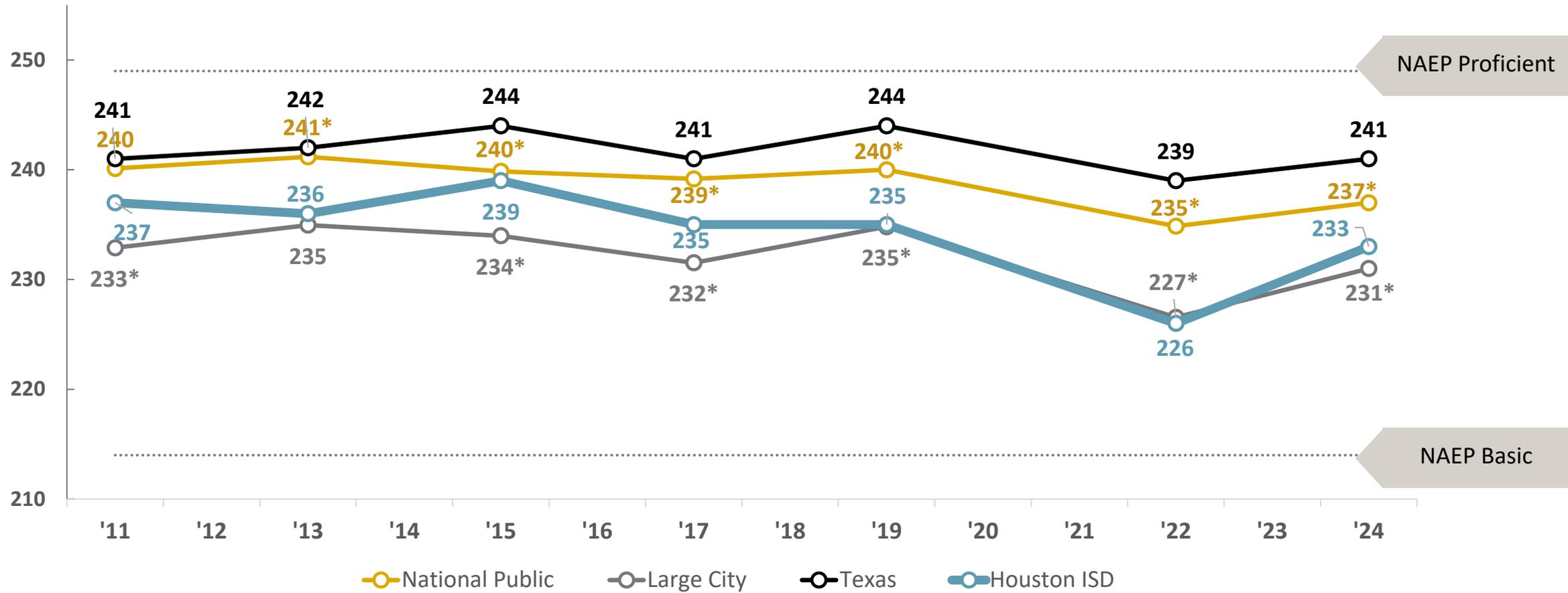


8<sup>th</sup> Grade Math: Percent of Students At or Above Proficient

# 4<sup>th</sup> Grade Results

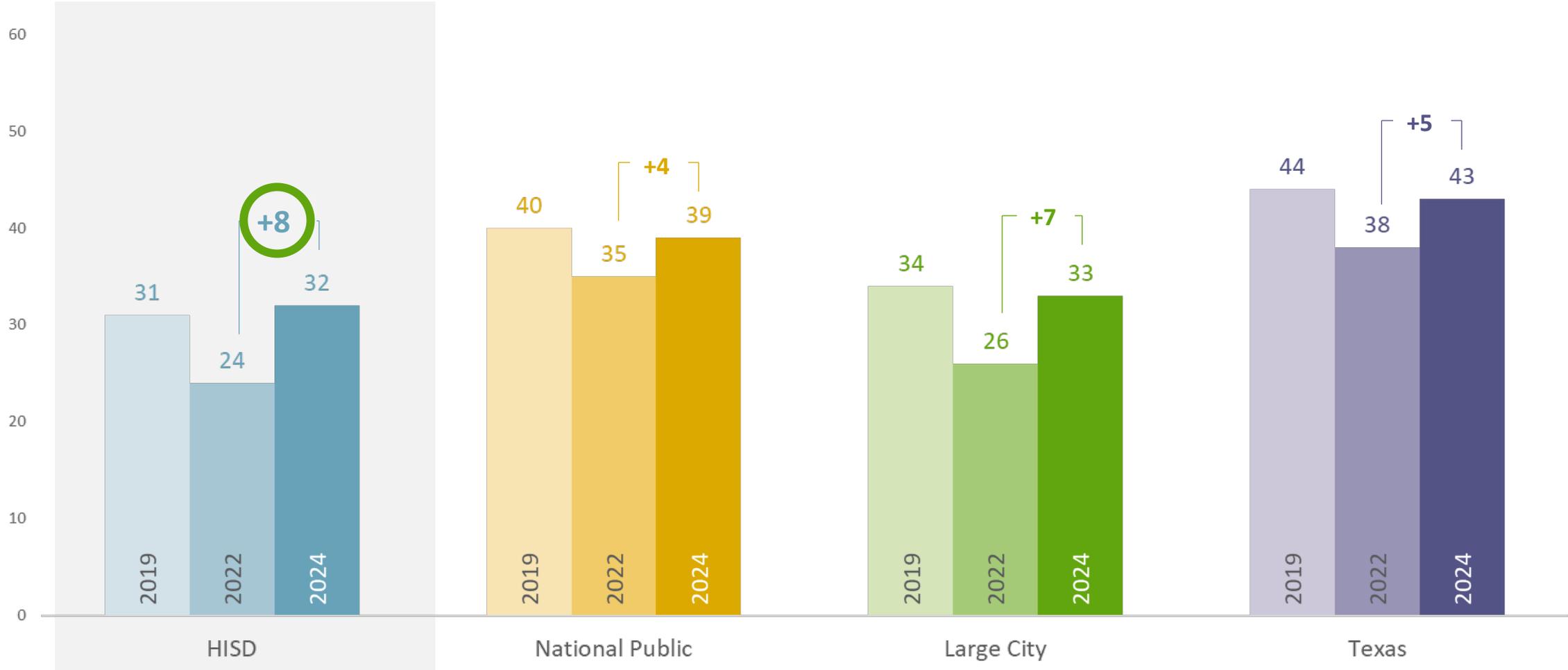


# 4th Grade Math: Average Scale Score Over Time



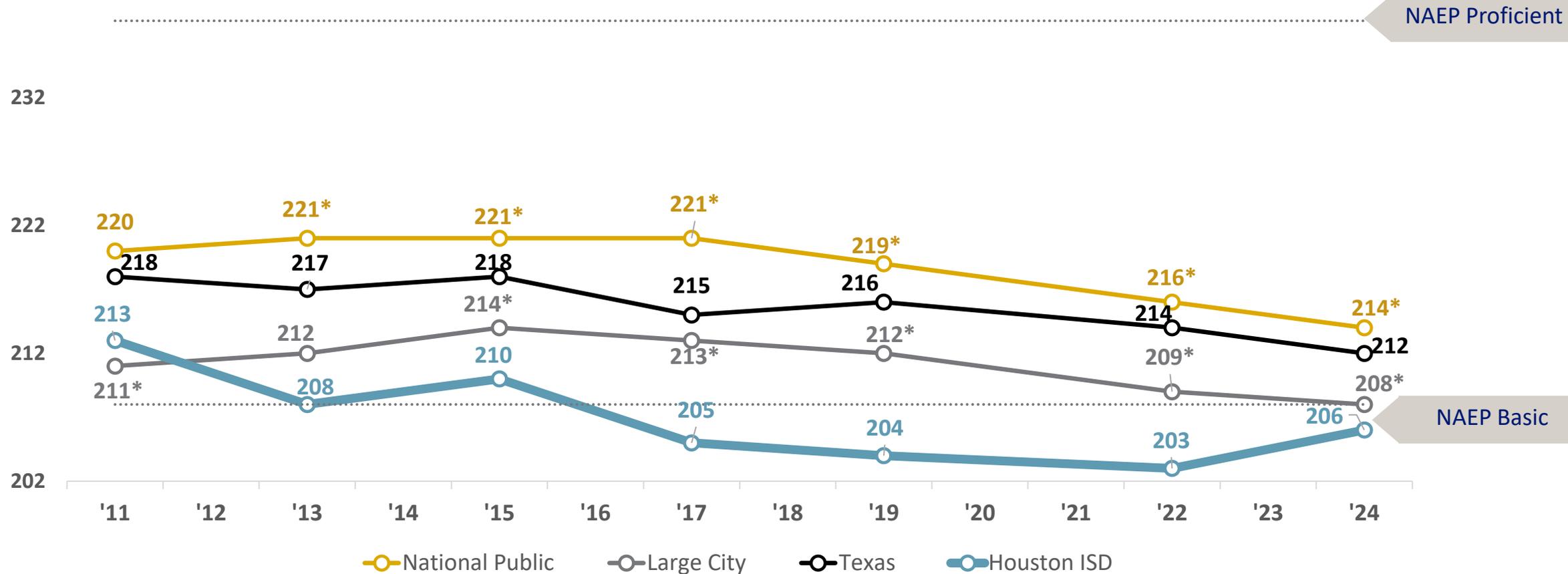
\*Significantly different (p < .05) from 2022.

# HISD made the largest gains in proficiency in 4<sup>th</sup> grade math as compared to peers



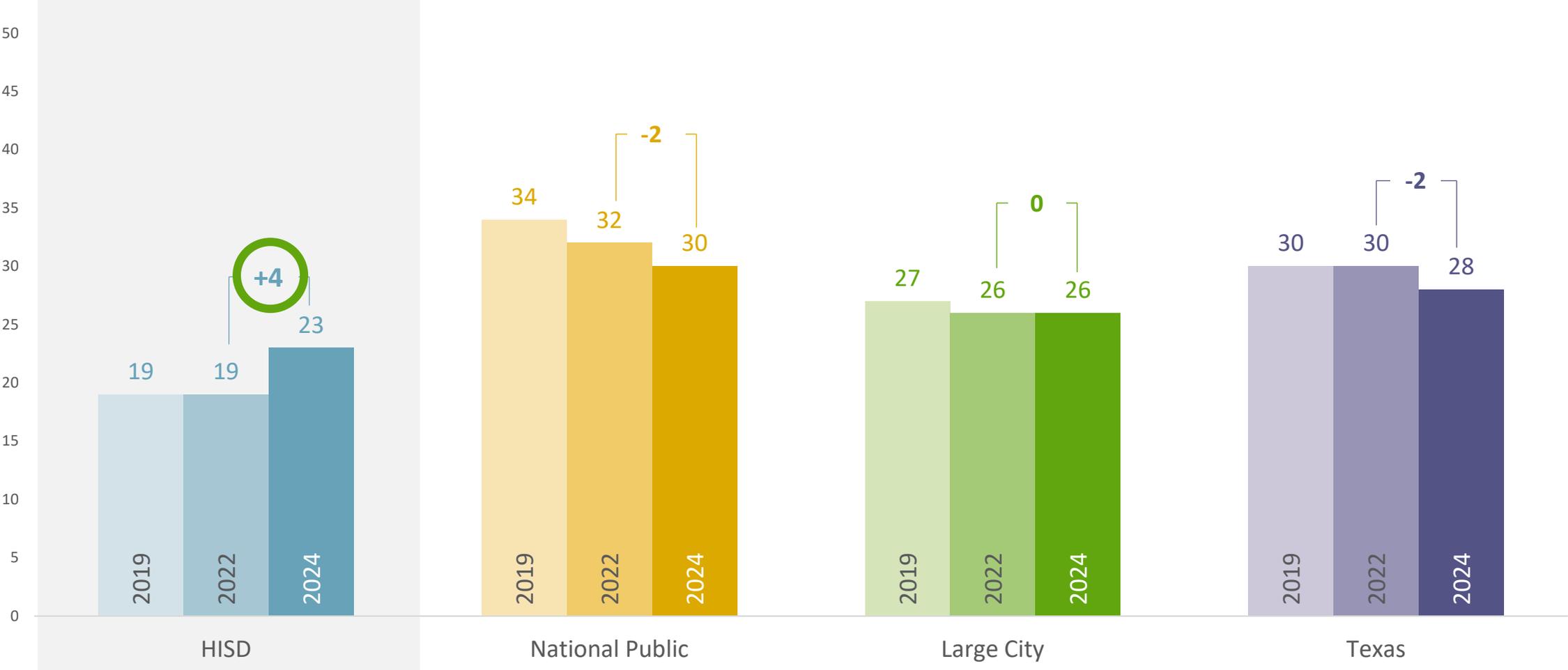
4<sup>th</sup> Grade Math: Percent of Students At or Above Proficient

# 4th Grade Reading: Average Scale Score Over Time



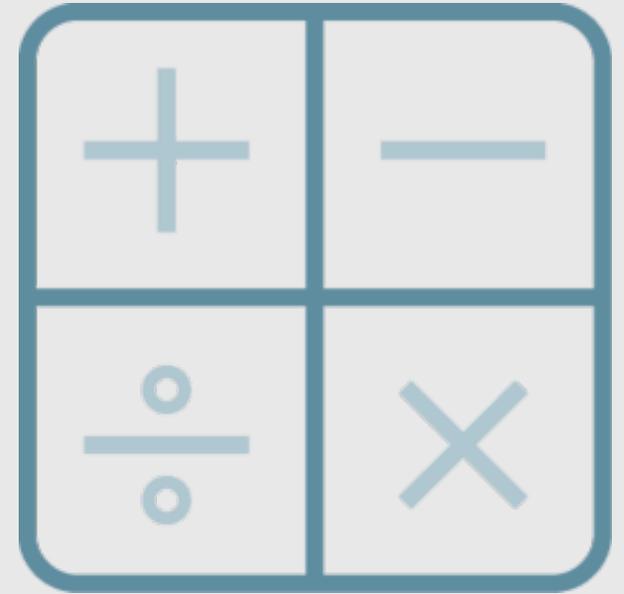
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# HISD made the largest gains in proficiency in 4<sup>th</sup> grade Reading as compared to peers

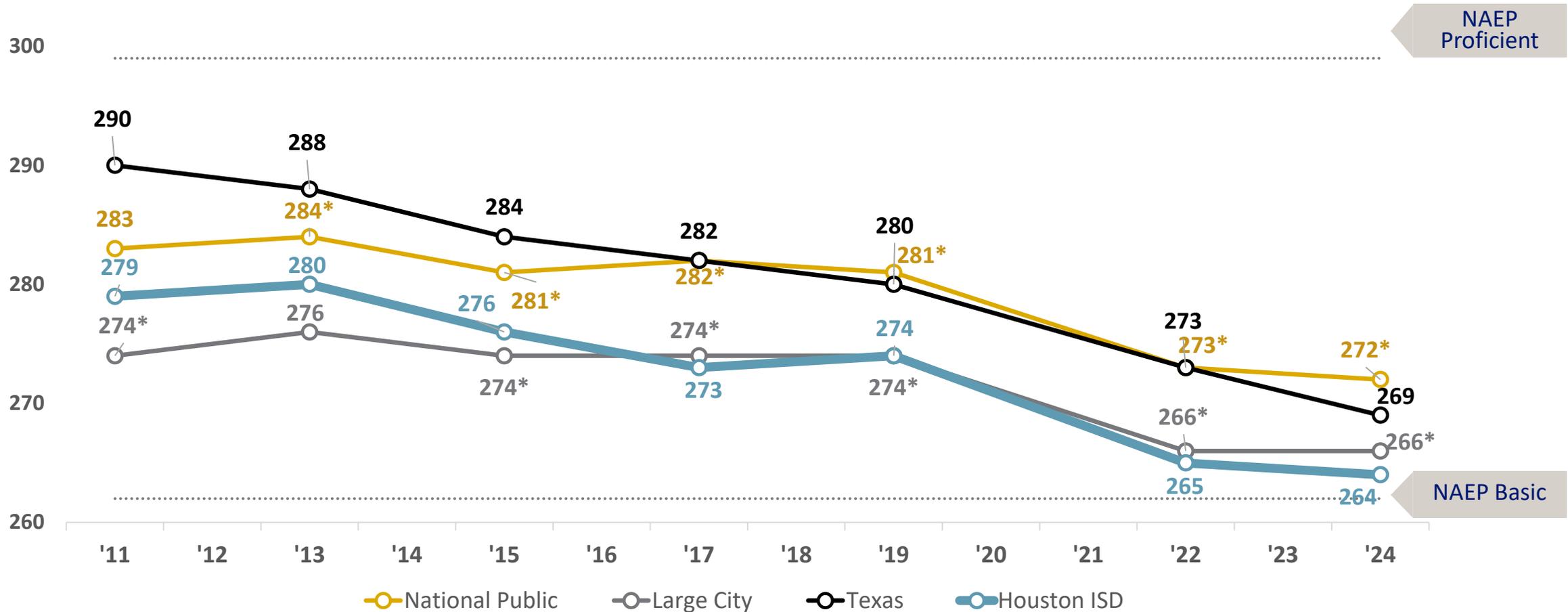


4<sup>th</sup> Grade Reading: Percent of Students At or Above Proficient

# 8<sup>th</sup> Grade Results

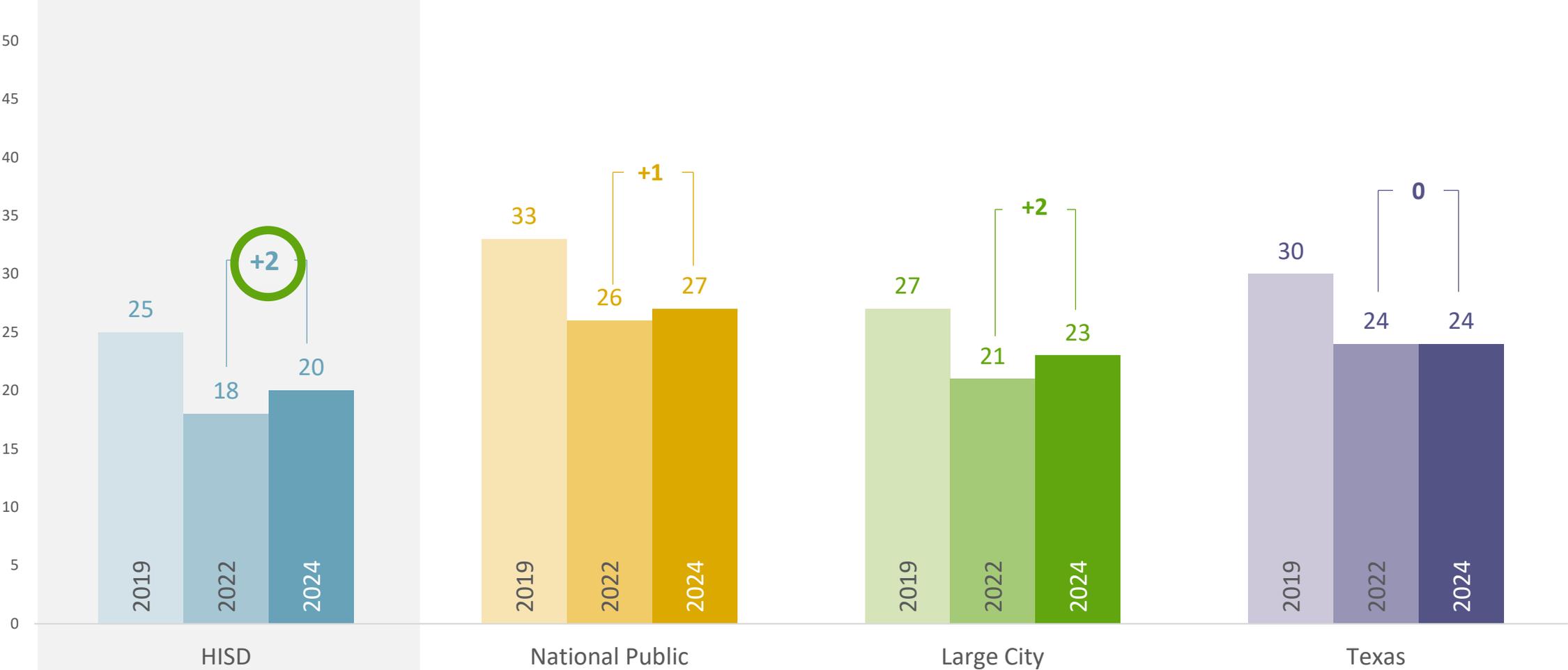


# 8th Grade Math: Average Scale Score Over Time



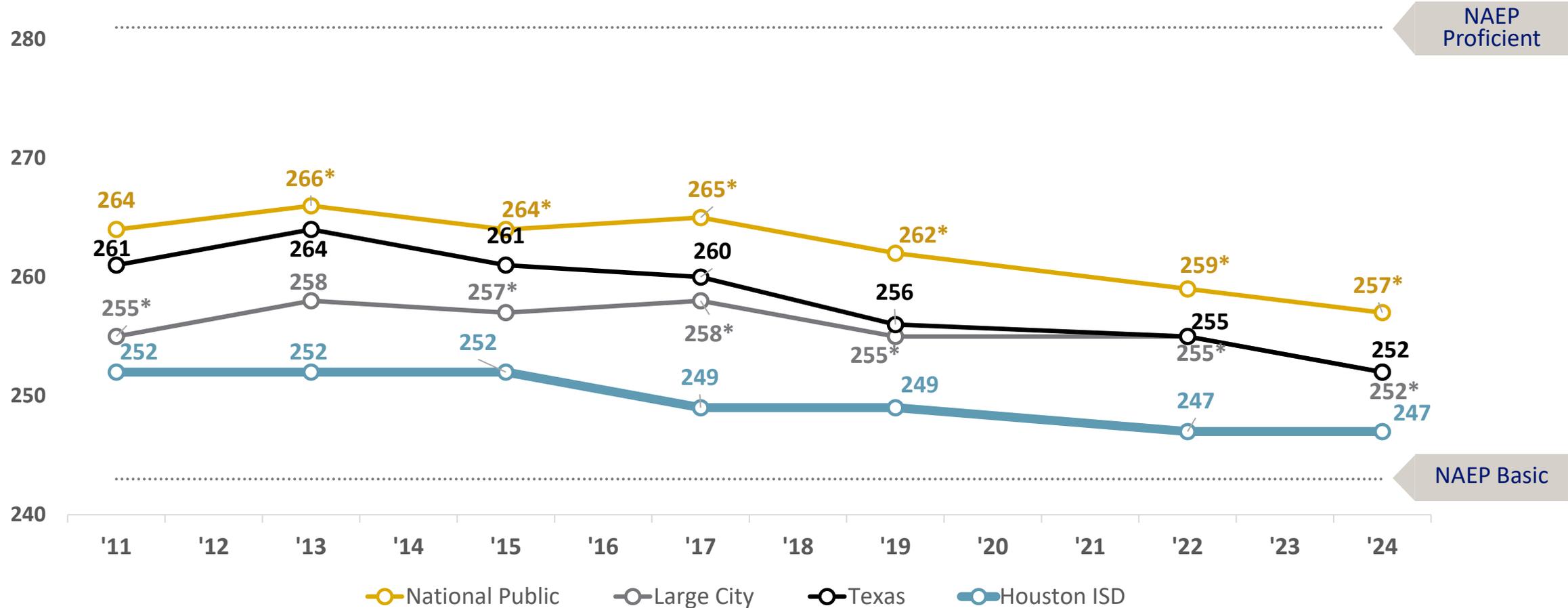
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# HISD made slight improvements in proficiency in 8<sup>th</sup> grade Math



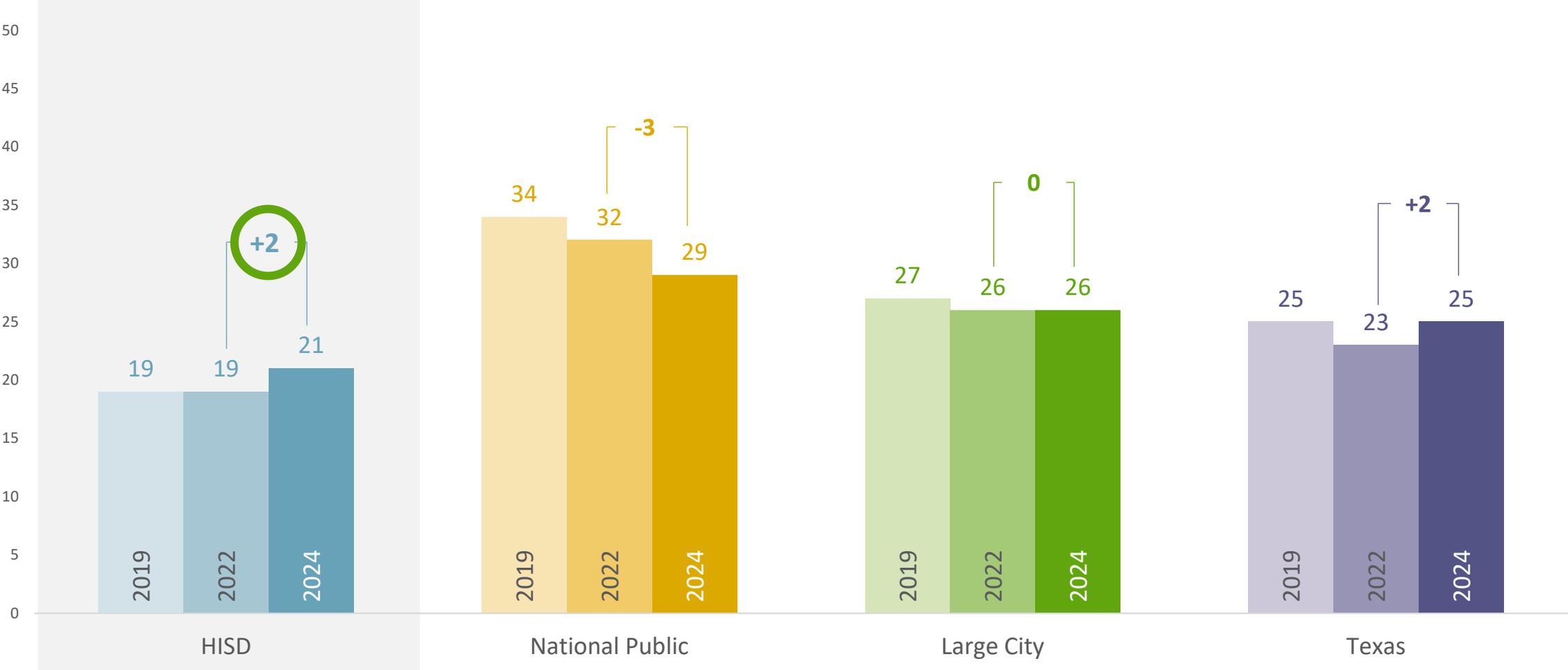
8<sup>th</sup> Grade Math: Percent of Students At or Above Proficient

# 8th Grade Reading: Average Scale Score Over Time



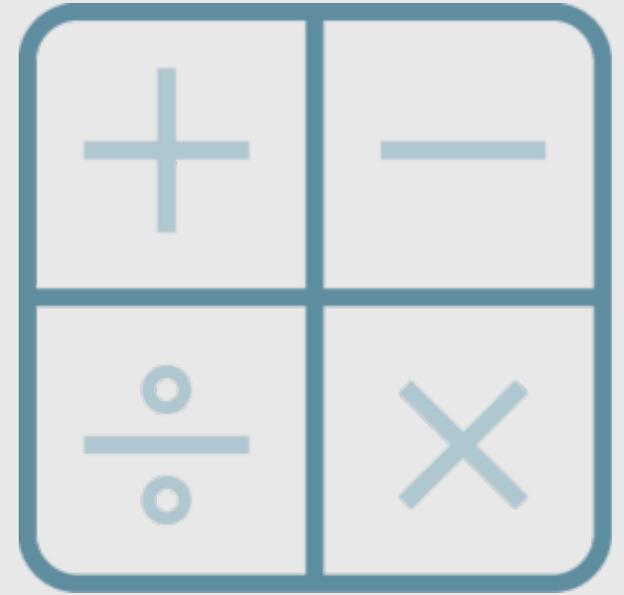
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# Both HISD and Texas made improvements in 8<sup>th</sup> grade Reading

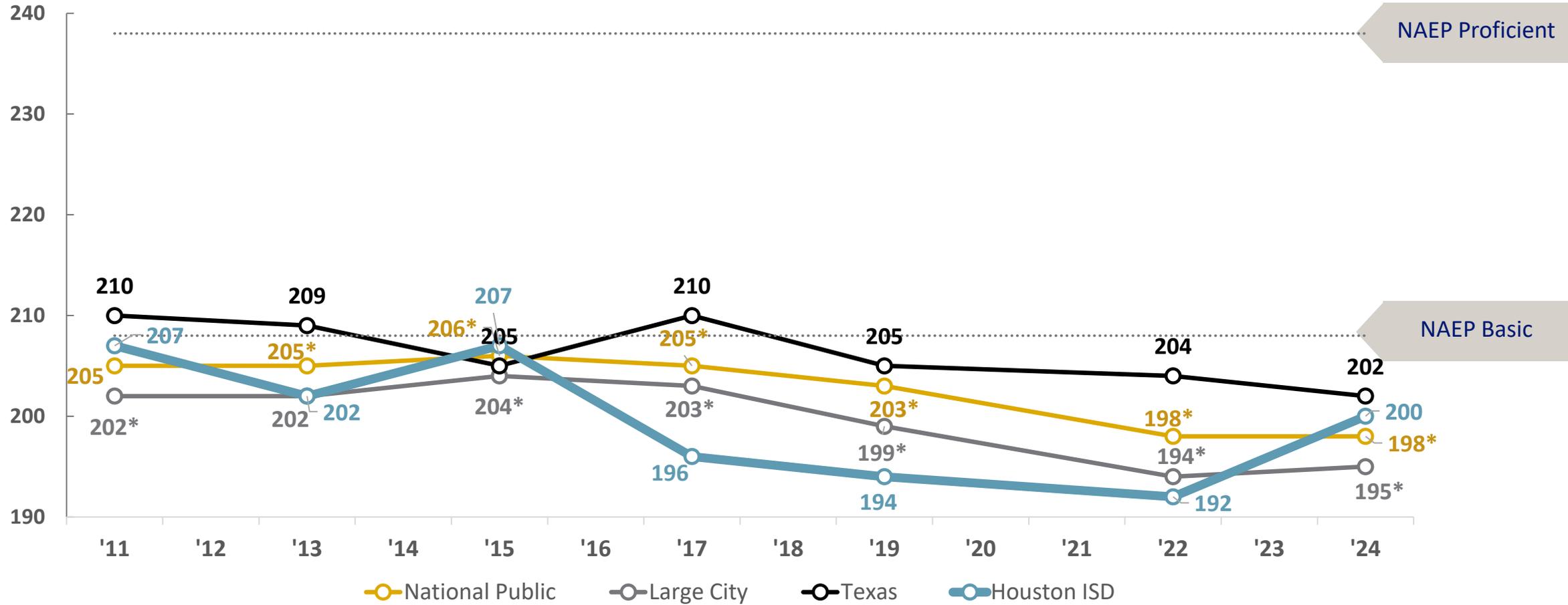


8<sup>th</sup> Grade Reading: Percent of Students At or Above Proficient

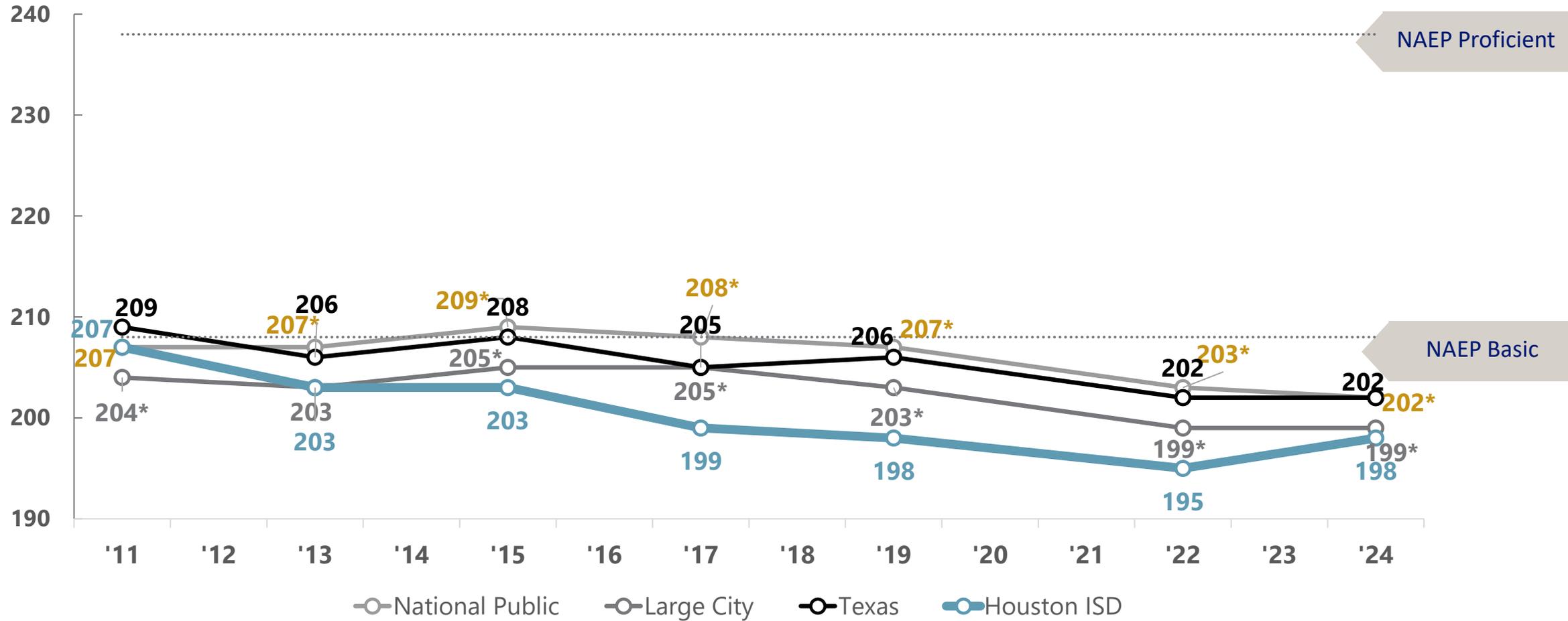
# Student Group Results



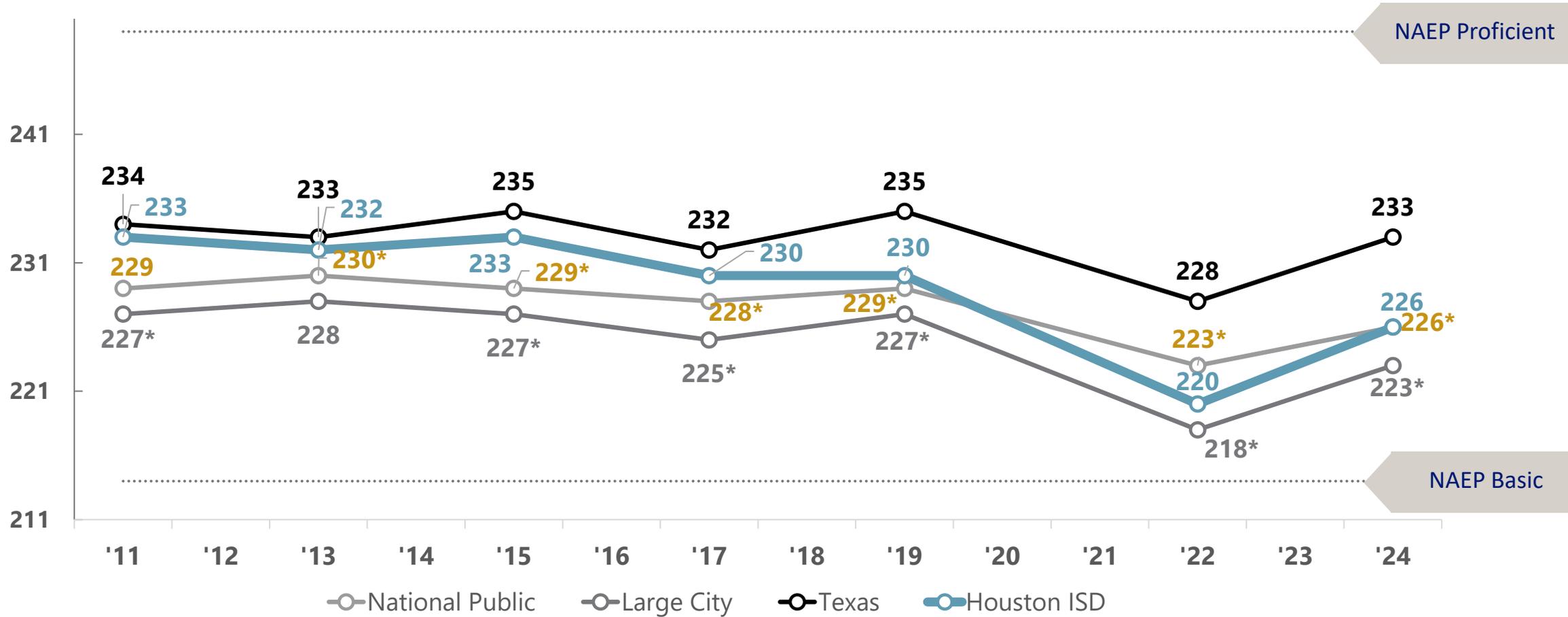
# In 4<sup>th</sup> grade reading, Black students reversed a historically-declining trend



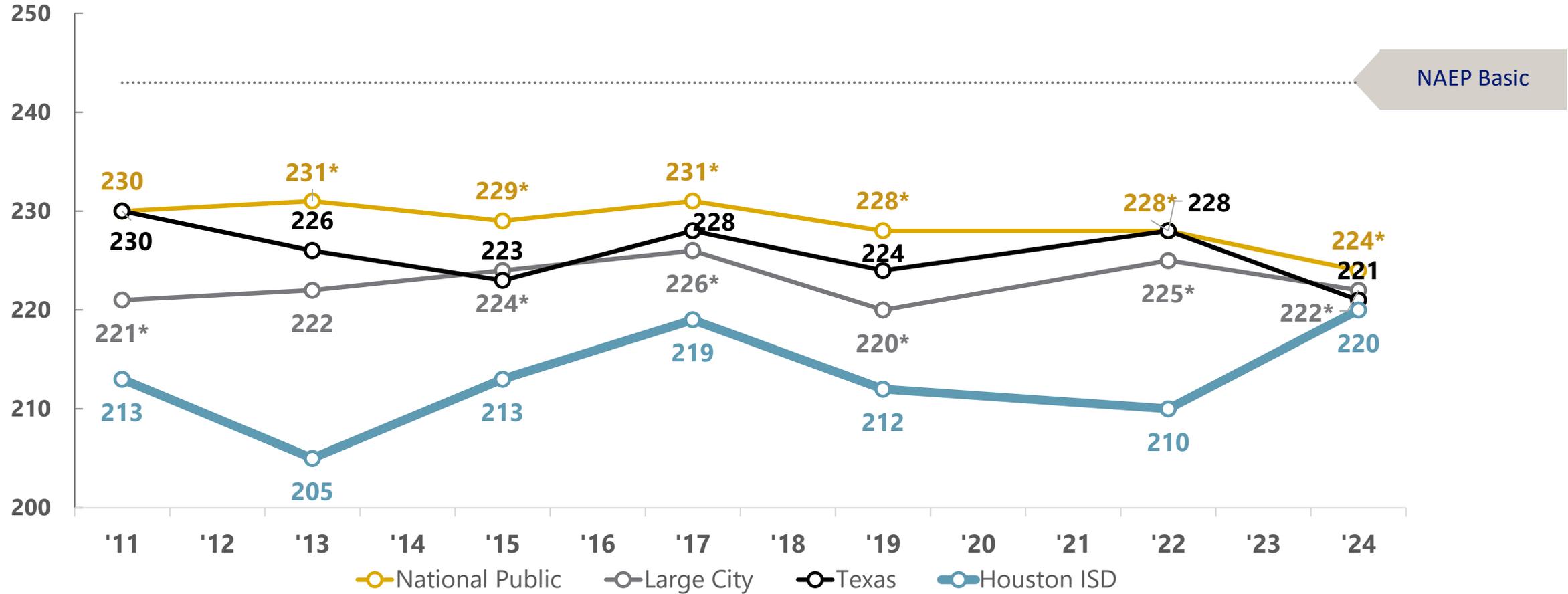
# Economically Disadvantaged Students: 4<sup>th</sup> Grade Reading Scale Scores



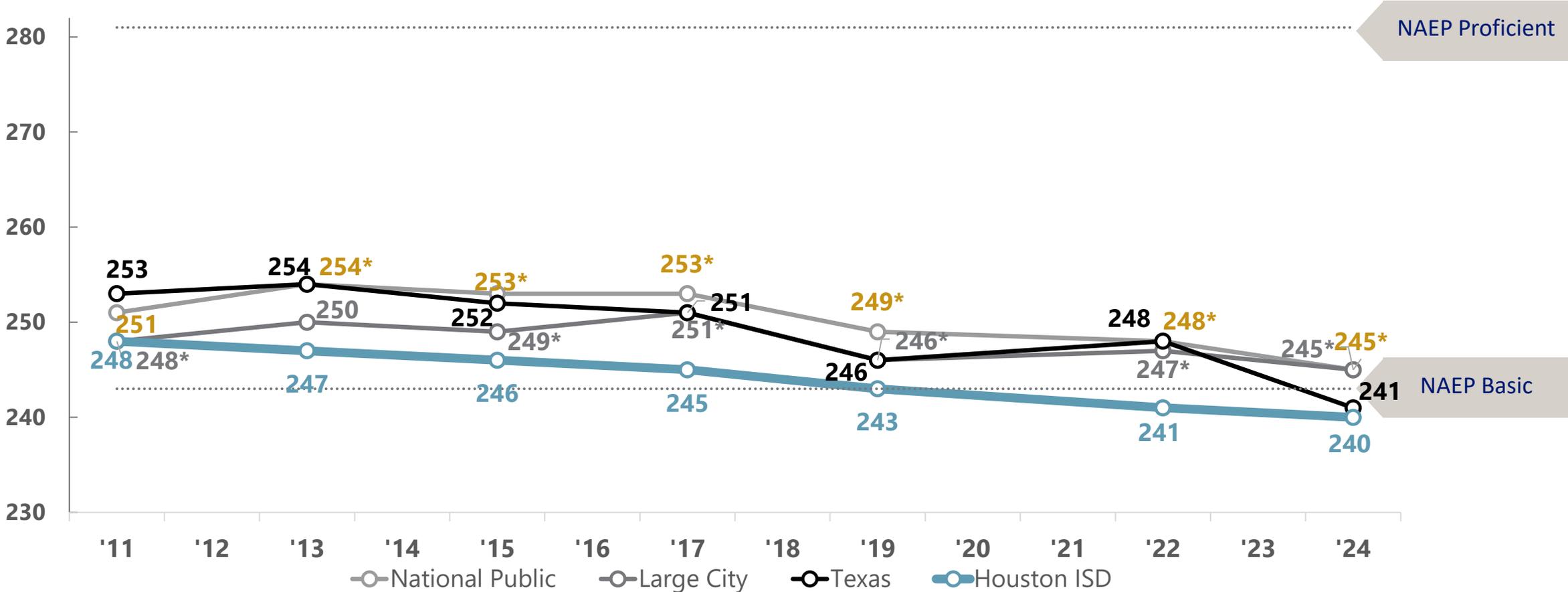
# Economically Disadvantaged Students: 4<sup>th</sup> Grade Math Scale Scores



# In 8<sup>th</sup> grade reading, students with disabilities demonstrated an historical rate of growth, 10 scale score points



# Economically Disadvantaged Students: 8<sup>th</sup> Grade Reading Scale Scores



# Economically Disadvantaged Students: 8<sup>th</sup> Grade Math Scale Scores

