



DISTRICT OF COLUMBIA 2022 RESULTS

National Assessment of Educational Progress (NAEP)

— October 2022 —



WE ARE
WASHINGTON
GOVERNMENT OF THE
DISTRICT OF COLUMBIA
DC MURIEL BOWSER, MAYOR

Context

- Students completed the 2022 NAEP assessment for the first time in three years, and experienced significant interrupted learning between assessments.
- Declines on NAEP were largest among 4th graders, a group of students who experienced interrupted learning for nearly 40 percent of their academic careers.
- While students were learning in person for the 2021-22 school year, they returned to the classroom facing significant mental health and social-emotional challenges.
- In response to the pandemic, nearly \$1 billion of federal stimulus funds have been directed to support the recovery and restoration of the District's public education and child care sectors.





Key Takeaways

Key Takeaways: Results

- Nationwide declines in math and reading.
- Declines in mathematics were greater than declines in reading, both for DC and nation.
- DC saw larger declines than the national average in 4th-grade reading and math, and 8th-grade math.
- DC held steady in 8th-grade reading.
- Patterns in DC results are comparable with the surrounding area.
- Prior to 2022, national NAEP results were static or down in 2019. DC was making progress for many years, and those gains have not been completely erased.
- There are no discernable patterns in results in relation to states' reopening status; states where schools reopened earlier showed similar declines to states that reopened later.



Key Takeaways: How We're Responding

- The results confirm what our students, caregivers, educators, and school and systems leaders have understood about how the pandemic negatively impacted student learning.
- Our statewide assessments provide accurate measurements of student achievement.
- We should not lose sight of the fact that we have closed the gap over time with other states and large urban districts.
- Our systems and structures had been producing continued improvement prior to the pandemic, and we have the investments already in place to accelerate learning.





2022 NAEP Performance Summary

A Closer Look at National Results

- In 2022, national scale scores declined in 4th and 8th grade mathematics and reading.
 - The average scale score in 4th-grade mathematics decreased by 5 points.
 - The average scale score in 8th-grade mathematics decreased by 8 points.
 - The average reading scale score at both 4th and 8th grades decreased by 3 points.

Assessment	2019 Avg. Scale Score	2022 Avg. Scale Score	Difference
4 th Grade Math	240	235	-5*
4 th Grade Reading	219	216	-3*
8 th Grade Math	281	273	-8*
8 th Grade Reading	262	259	-3*
Scores are rounded to the nearest whole number. * indicates statistically significant change.			

A Closer Look at Overall DC Results

- Among the four grade/subject assessments, DC saw the largest decline in average scale score for 4th grade mathematics, while 8th grade reading scores held steady from 2019.
- DC NAEP results show similar patterns to statewide PARCC results in ELA and mathematics as compared to 2019; however, PARCC 8th grade ELA scores declined, while NAEP 8th grade reading scores remained flat.

Assessment	2019 Avg. Scale Score	2022 Avg. Scale Score	Difference
4 th Grade Math	235	223	-12*
4 th Grade Reading	214	207	-8*
8 th Grade Math	269	260	-10*
8 th Grade Reading	250	250	0
Scores are rounded to the nearest whole number. * indicates statistically significant change.			

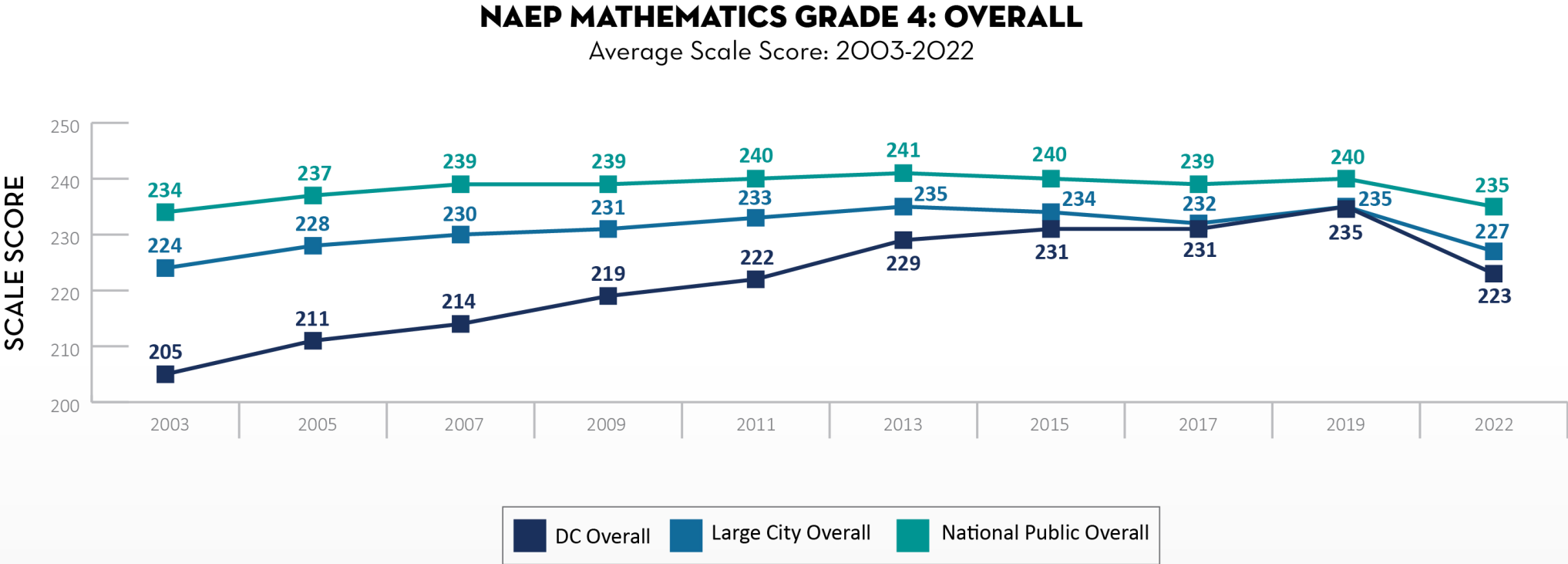
Comparison: Overall DC and National Results

- DC's steady performance on 8th grade reading is a national bright spot; 33 states saw declines and the national average dropped 3 points, whereas DC's score did not change.
- DC score changes from 2019 to 2022 are mostly comparable to other states in the region, except for 8th grade reading, where DC showed no decline.

	# of States that Decreased	# of States with No Change	# of States that Increased
4 th Grade Math	43	10	0
4 th Grade Reading	30	22	0
8 th Grade Math	51	2	0
8 th Grade Reading	33	18	1
<i>Bold numbers indicate DC category.</i>			

DC Trends Consistent with Large Urban Districts

NAEP Average Scale Score: 2003-2022, 4th Grade Math



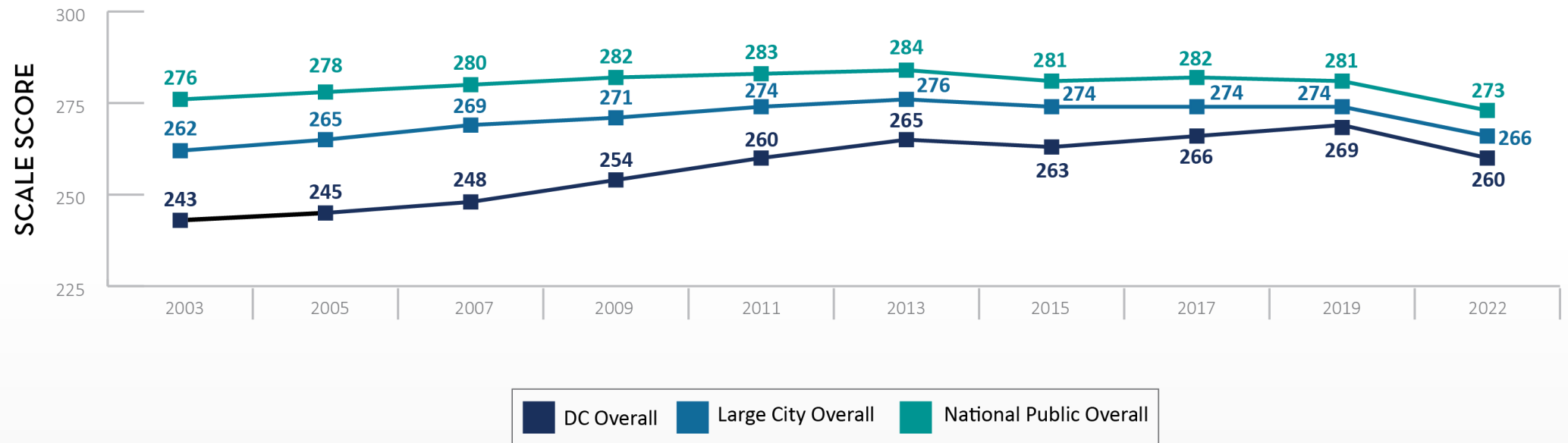
NOTE: The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

DC Trends Consistent with Large Urban Districts

NAEP Average Scale Score: 2003-2022, 8th Grade Math

NAEP MATHEMATICS GRADE 8: OVERALL

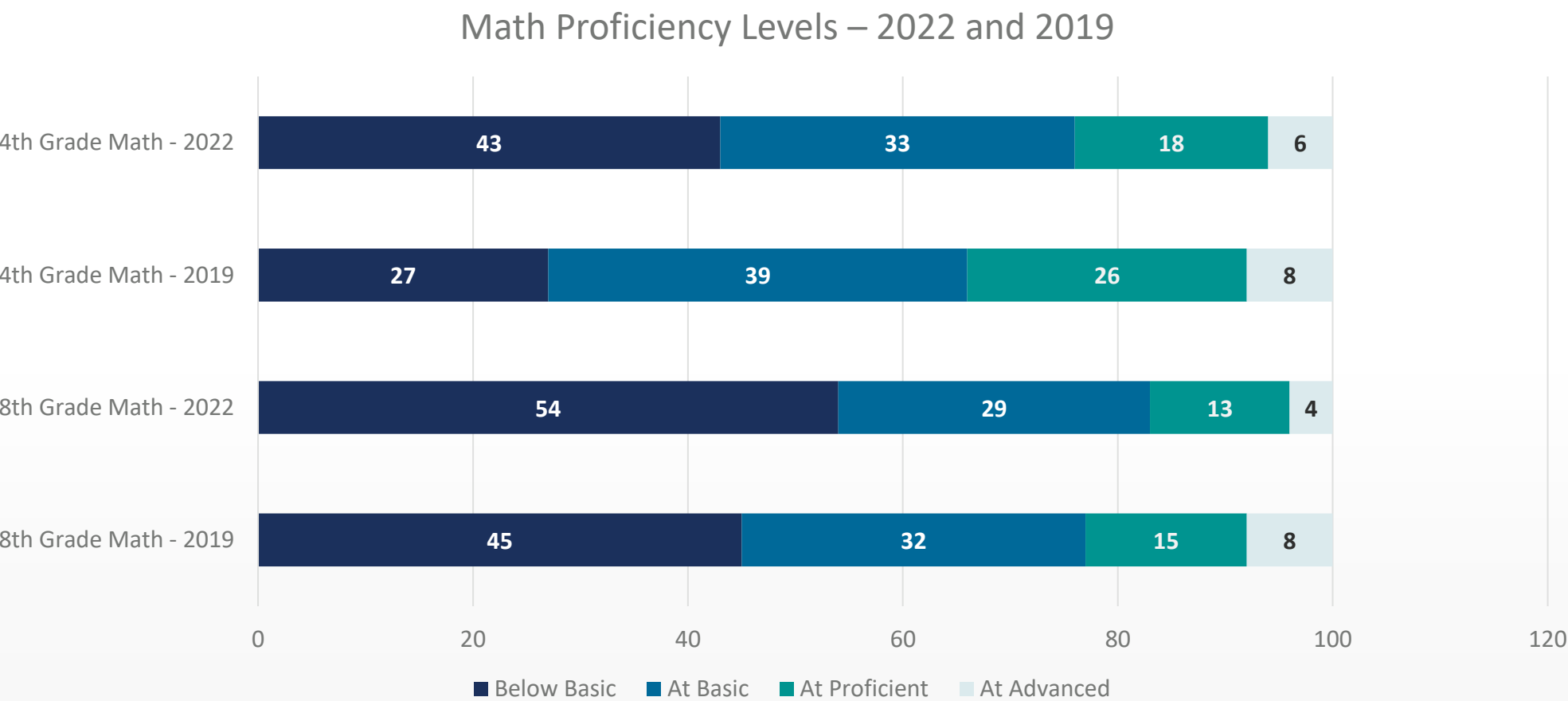
Average Scale Score: 2003-2022



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

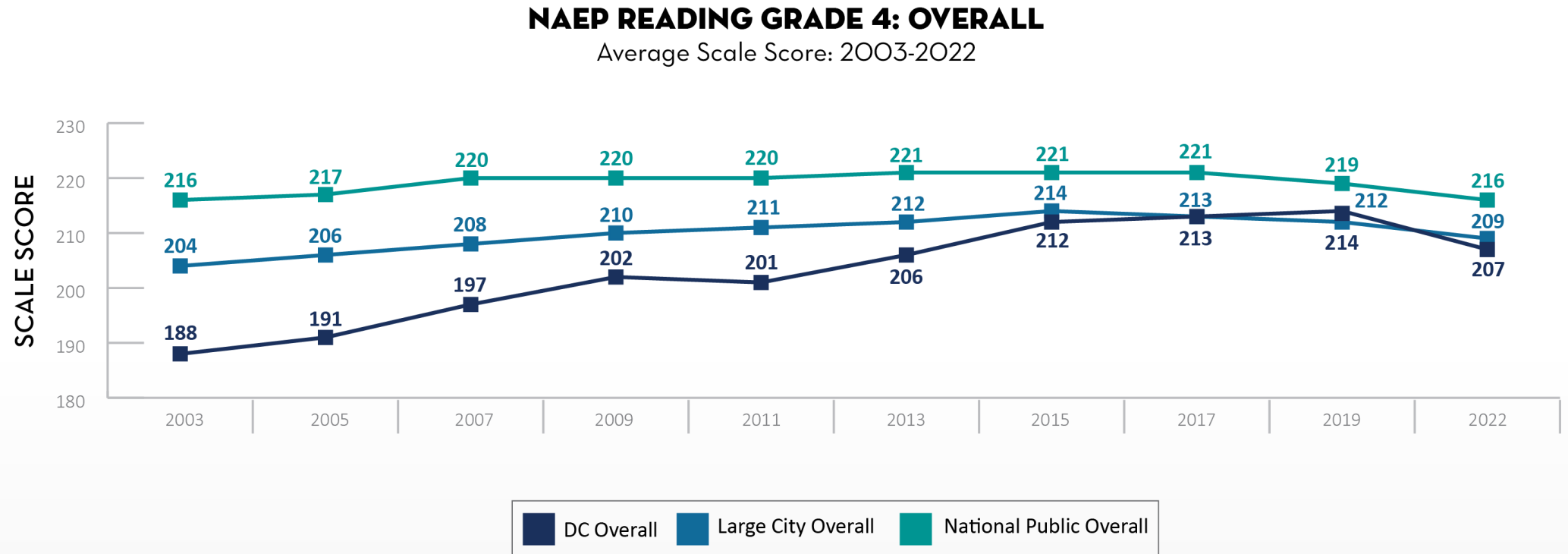
DC Math Proficiency Levels: 2022 and 2019



Note: totals may not sum to 100 due to rounding

DC Trends Consistent with Large Urban Districts

NAEP Average Scale Score: 2003-2022, 4th Grade Reading



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

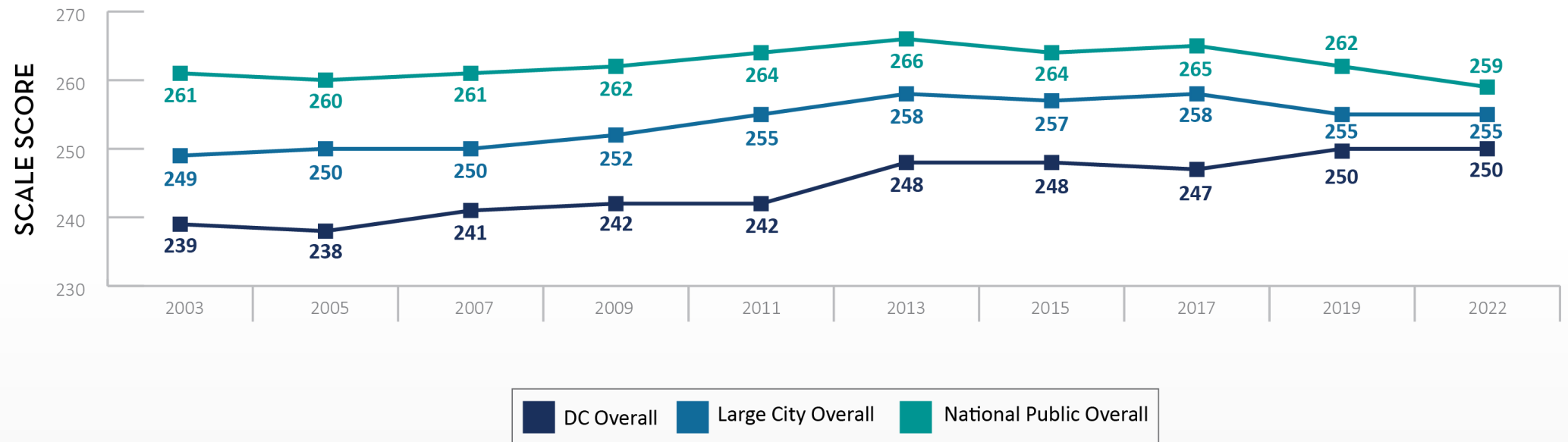
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

DC Trends Consistent with Large Urban Districts

NAEP Average Scale Score: 2003-2022, 8th Grade Reading

NAEP READING GRADE 8: OVERALL

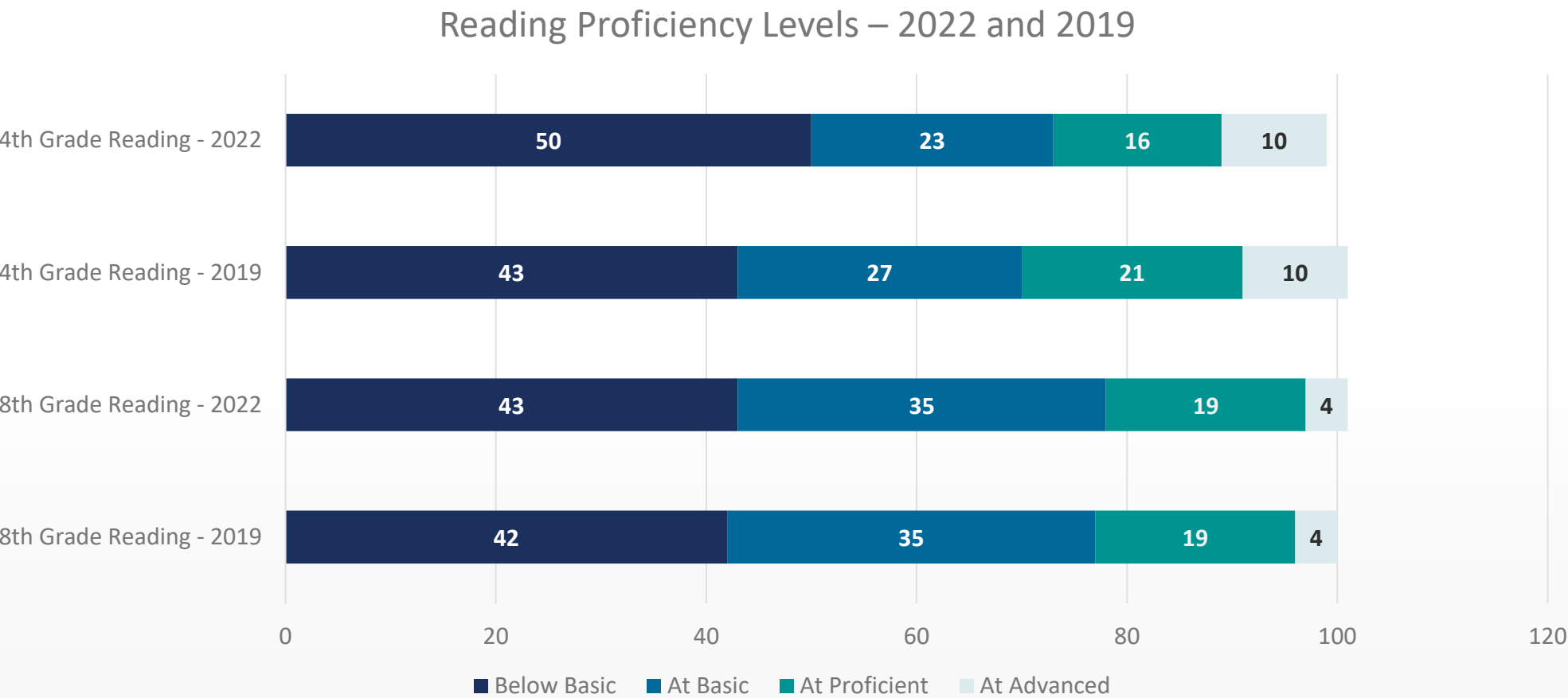
Average Scale Score: 2003-2022



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).

DC Reading Proficiency Levels: 2022 and 2019



Note: totals may not sum to 100 due to rounding



Trends for Specific Groups of Students

4th Grade

Key Takeaways

- Performance across student groups declined for both the nation and DC.
- While math performance among DC's Black and Hispanic 4th graders declined since 2019, they remain on par with their peers in large urban districts.
- Declines in performance were seen across the student population, though declines were greater for already lower-performing students.
- These findings mirror what DC reported on its statewide assessment in September 2022.



Student Group Score Differences Since 2019: 4th Grade

4 th Grade Math							
	All Students	Eligible for NSLP	Students with Disabilities	English Learners	White	Black	Hispanic
DC	↓ 12*	↓ 13*	↓ 7*	↓ 3	↓ 6*	↓15*	↓ 10*
National Public	↓ 5*	↓ 6*	↓ 3*	↓ 4*	↓ 4*	↓ 8*	↓ 7*

↑ Higher

↓ Lower

◆ No significant change

— Not available

4 th Grade Reading							
	All Students	Eligible for NSLP	Students with Disabilities	English Learners	White	Black	Hispanic
DC	↓ 7*	↓ 9*	↓ 4	◆ 0	↓ 4	↓ 11*	↓ 11*
National Public	↓ 3*	↓ 4*	↓ 1	↓ 1	↓ 3*	↓ 5*	↓ 4*

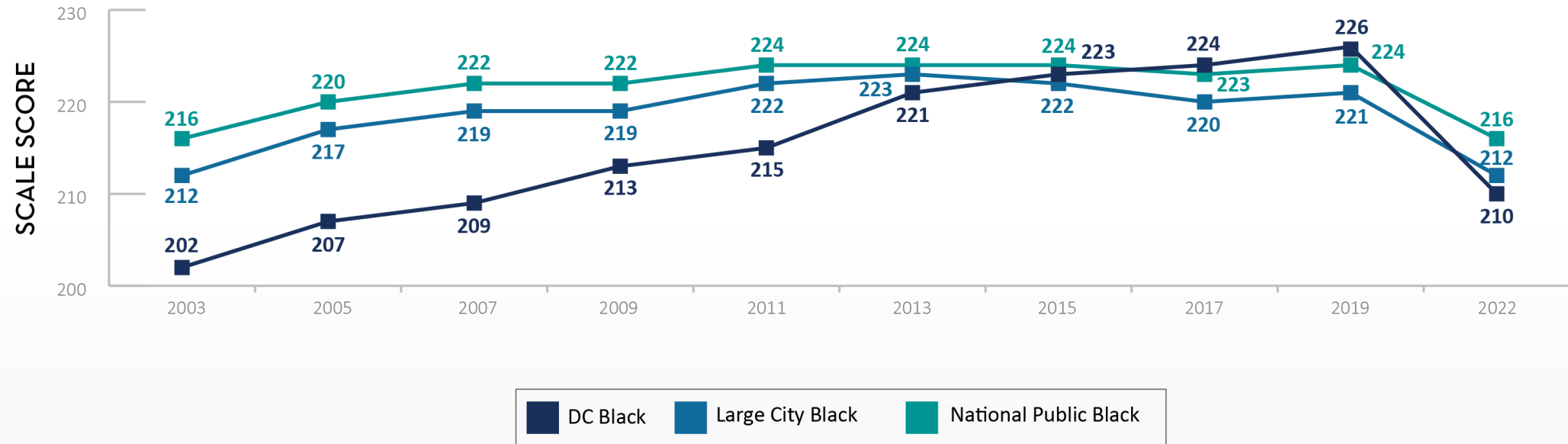
* signifies statistically significant change. "Eligible for NSLP" signifies students eligible for the National School Lunch Program.

DC Black Students on Par with Peers in Large Urban Districts

NAEP Average Scale Score: 2003-2022, 4th Grade Math

NAEP MATHEMATICS GRADE 4: BLACK STUDENTS

Average Scale Score: 2003-2022



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

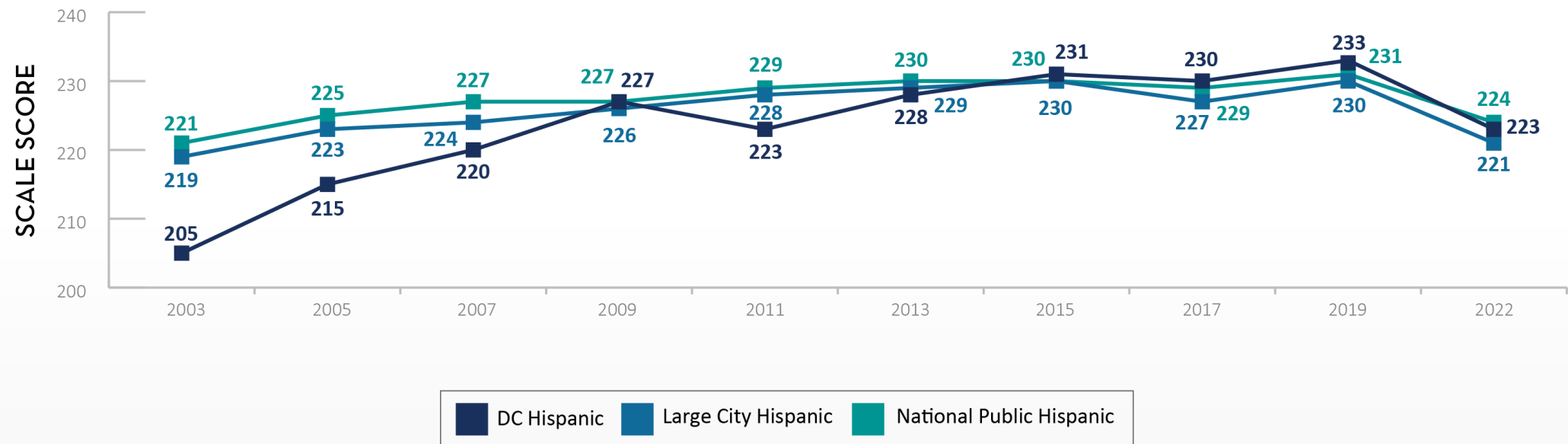
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

DC Hispanic Students on Par with Peers in Large Urban Districts

NAEP Average Scale Score: 2003-2022, 4th Grade Math

NAEP MATHEMATICS GRADE 4: HISPANIC STUDENTS

Average Scale Score: 2003-2022



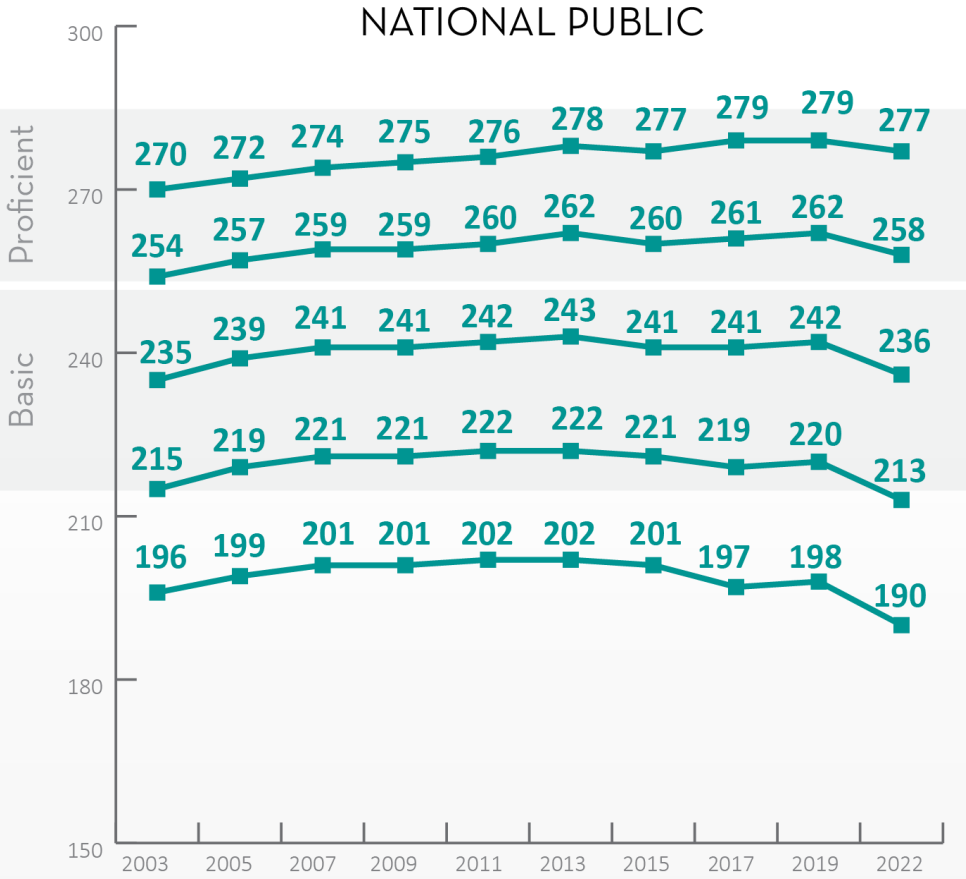
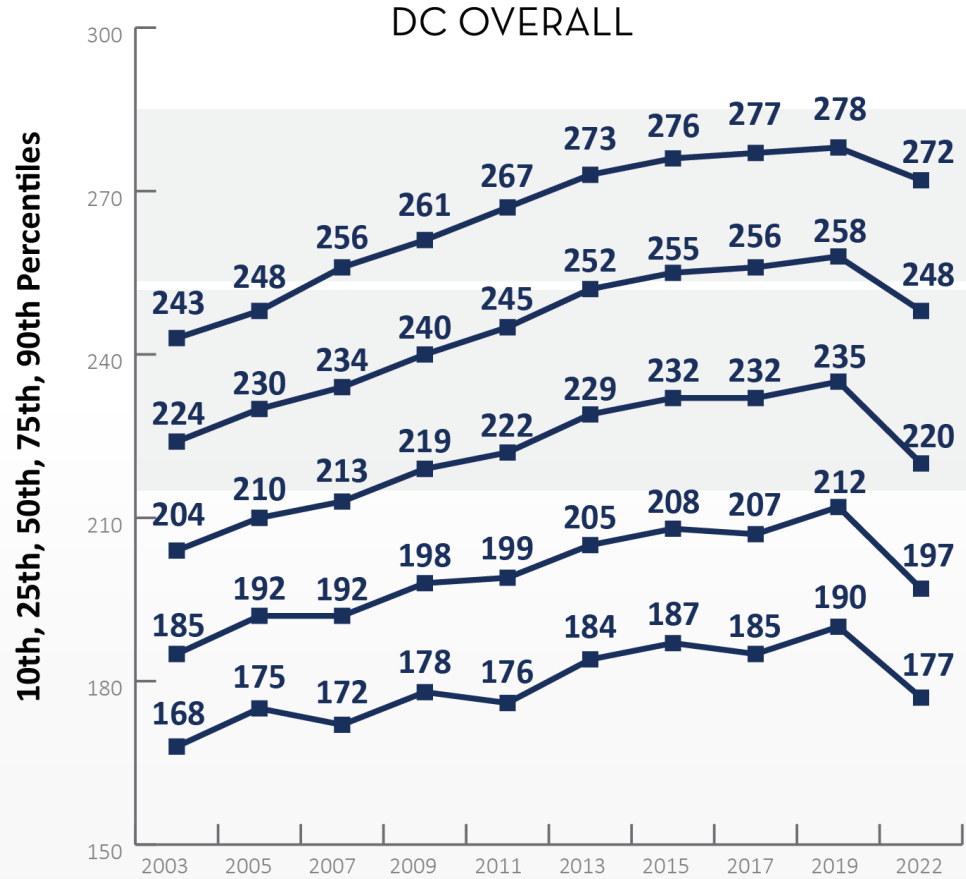
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SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

4th Grade Math Percentiles

NAEP MATHEMATICS GRADE 4

Average Scale Score: 2003-2022





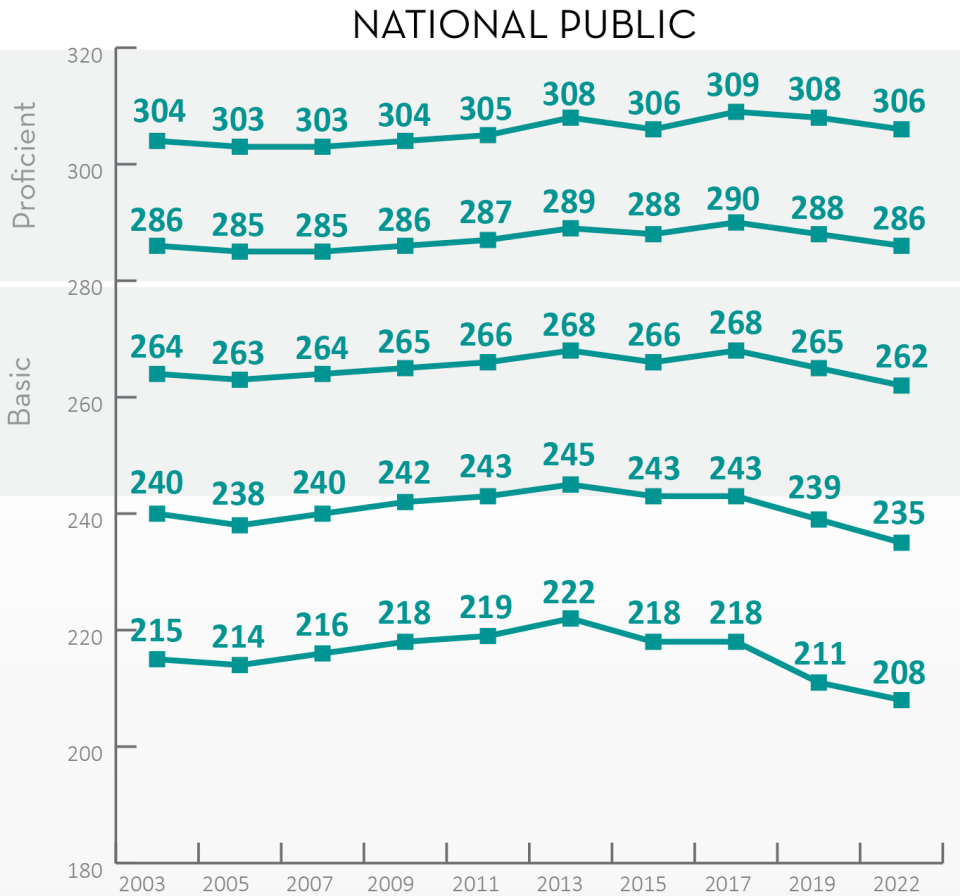
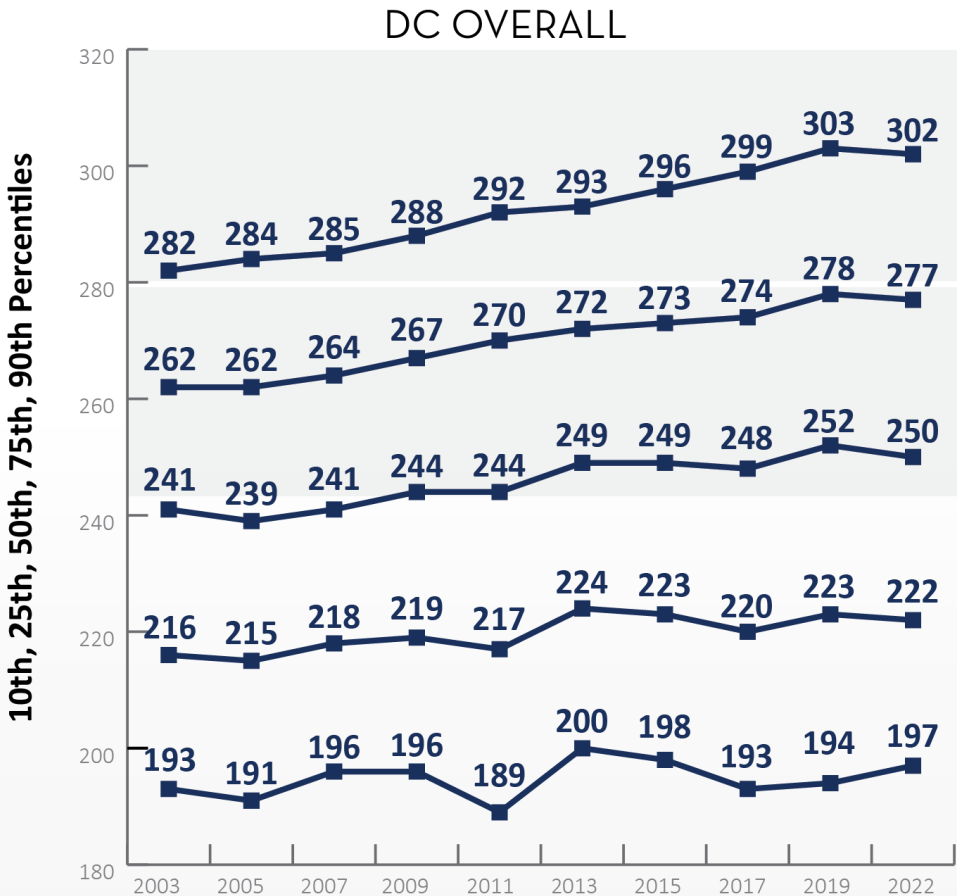
Trends for Specific Groups of Students

8th Grade Reading

8th Grade Reading Percentiles

NAEP READING GRADE 8

Percentiles: 2003-2022





Recovery Investments

A Multi-Year Recovery

- We're investing nearly \$1 billion of federal stimulus funds to support the recovery and restoration of the public education and child care sectors.
- This data reinforces that we have invested strategically in core areas of need.
- We know what works and our recovery efforts will turn these outcomes around.
- We have strong statewide assessments that are aligned with national expectations.
- Data suggest that when schools are open, students experienced growth.



Statewide Recovery Investments are Responsive to National Assessment Results





Accelerate Learning

- **Early Literacy:** Elementary Schools will continue to reinforce instruction grounded in the Science of Reading.
- **Secondary Math:** Grades 6 to Algebra II students will learn using Illustrative Mathematics a new, highly-rated curriculum.
- **School-specific Acceleration:** Provided over \$6 million to 85 schools that needed additional funds to continue programs from the previous school year.





Accelerate Learning

- **Tiered Supports:** Multi-Tiered Systems of Support (MTSS) ensure all students have access to a supportive learning environment in which they can thrive.
- **Robust, Weekly Data Analysis:** This year, all schools will receive training on how to leverage weekly data meetings to identify areas of strengths and areas in need of support for students and plan responsive whole and small group instruction that supports students to meet the grade-level standards.



- **LEAs**
 - High-impact tutoring
 - New Curriculum
 - Additional Staffing
- **DC PCSB**
 - Revised Accountability Framework



Accelerate Learning



Recovery Investments

- **Two major focus areas for state-led investments include:**
 - Accelerating learning for all students, but especially for those who have been most impacted by the pandemic and interrupted instruction; and
 - Improving outcomes for students with disabilities.
- **Key Strategies:**
 - Expanding access to High-Impact Tutoring
 - Extending learning time
 - Launching a Foundations of Special Education micro-credential this fall, enabling educators who complete it to receive a special education endorsement on their educator license.



Recovery Investments

- These investments also include a number of math and literacy-focused initiatives, including:
 - Providing schools with subscriptions to Zearn Math, a high-quality, digital math curriculum and intervention program, to accelerate student learning in grades K-8;
 - Providing literacy training to educators across the District that deepens their understanding of the science of reading and their capacity to teach all students how to read;
 - Expanding offerings of high-quality, standards-aligned professional development focused on the standards of mathematical practice, such as operations and algebraic thinking, number and operations and geometry;
 - Offering grants that enable schools to adopt high-quality math and English Language Arts curricula and train staff in its implementation; and
 - Hiring additional dedicated literacy and math systems specialists to support local education agencies (LEAs) with planning and professional learning.



Where to Access NAEP Data

Access NAEP Data

- **DC-specific Data**
 - bit.ly/OSSENAEP
- **National and DC Data**
 - nces.ed.gov/nationsreportcard/