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.

• The assessment is designed to produce national and state results, as well as district-level results for select urban districts. These results:
  – Are for populations of students, not for individual students or schools.
  – Measure student performance nationally and report changes over time.
  – Allow comparisons between states and the nation.

• Nationwide participation for the 2022 administration of NAEP included:
  – 224,000 fourth graders from 5,700 schools
  – 222,600 eighth graders from 5,100 schools
What is a TUDA district?

- NAEP’s Trial Urban District Assessment (TUDA) allows for multi-year study of district-level NAEP data in select large, urban public school districts with diverse student populations.
- CMS has participated in NAEP as a TUDA district since 2003.
- All assessments are taken online. As a reminder, 2017 was the first year in which NAEP results were based solely on digitally-based assessments (DBA). Prior to this, assessment results were from paper-based administrations.
Which districts participate in TUDA?

The 26 TUDA districts are:

- Albuquerque
- Atlanta
- Austin (TX)
- Baltimore City
- Boston
- Charlotte-Mecklenburg
- Chicago
- Clark County (NV)
- Cleveland
- Dallas
- Denver
- Detroit
- District of Columbia
- Duvall County (Florida)
- Fort Worth
- Fresno*
- Guilford County (North Carolina)
- Hillsborough County (Florida)
- Houston Independent (Texas)
- Jefferson County (Kentucky)
- Los Angeles
- Miami-Dade
- Milwaukee
- New York City
- Philadelphia
- San Diego Unified
- Shelby County (TN)

*Did not participate in 2022
Which districts participate in TUDA?

Fresno did not participate in the 2022 Assessment
Scale Scores and Achievement Levels

- **NAEP Scale Scores** are reported as average scores on a 0 – 500 scale. Students receive a scale score for each content area within a subject, and these student-level scores are aggregated for comparisons across student groups, districts, states, and the nation.

- **NAEP Achievement Levels** are performance standards used to describe what students should be able to do. They are set using a broadly representative panel of teachers, education specialists, and members of the general public.

- For ease of interpretation, we are reporting only on NAEP Achievement Levels, specifically the percentage of students who are *at or above proficient*. 
# Scale Scores and Achievement Levels

## NAEP Grades 4 and 8

<table>
<thead>
<tr>
<th>Achievement Level</th>
<th>Reading</th>
<th>Math</th>
<th>Achievement Level Descriptor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Scale Score Minimum Grade 4</td>
<td>Scale Score Minimum Grade 8</td>
<td>Scale Score Minimum Grade 4</td>
</tr>
<tr>
<td>NAEP Basic</td>
<td>208</td>
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<td>214</td>
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<tr>
<td>NAEP Proficient</td>
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<td>281</td>
<td>249</td>
</tr>
<tr>
<td>NAEP Advanced</td>
<td>268</td>
<td>323</td>
<td>282</td>
</tr>
</tbody>
</table>

NAEP achievement levels are cumulative; therefore, students performing at the NAEP Proficient level also display the competencies associated with the NAEP Basic level, and students at the NAEP Advanced level demonstrate the competencies associated with both the NAEP Basic and NAEP Proficient levels.
National Picture
National Picture – NAEP Long Term Trend Assessment

**READING**

Score change between 2020 and 2022

Largest score drop in reading since 1990

**MATHEMATICS**

Score change between 2020 and 2022

First ever score drop in mathematics

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

Source: National Center for Educational Statistics
National Picture – NAEP Results

• In 2022, nearly all jurisdictions demonstrated declines in the percentage of students at or above proficient compared to 2019 in reading.

• “There were no improvements in mathematics in any state or large urban district, and eighth-grade mathematics scores declined in 51 participating states and jurisdictions since the assessment was last given in 2019.”

“The results show the profound toll on student learning during the pandemic, as the size and scope of the declines are the largest ever in mathematics…The results also underscore the importance of instruction and the role of schools in both students’ academic growth and their overall wellbeing. It’s clear we all need to come together—policymakers and community leaders at every level—as partners in helping our educators, children, and families succeed.”

Peggy G. Carr, Commissioner, National Center for Educational Statistics
Charlotte-Mecklenburg Schools
NAEP Results Summary

- In 2022, CMS is among the top large urban districts based on the percentage of students at or above proficient. Of the 26 participating TUDA districts, CMS ranks:
  - 5th in Grade 4 Reading
  - 4th in Grade 8 Reading
  - 5th in Grade 4 Mathematics
  - 1st in Grade 8 Mathematics

- There were not statistically significant changes in the percentage at or above NAEP Proficient (increases or decreases) from 2019 to 2022 for CMS Grade 4 or Grade 8 Reading or North Carolina for Grade 4 Reading. In all other areas, the percentage of students at or above NAEP Proficient was significantly lower than 2019 for CMS and North Carolina.
CMS outperforms NC, large cities, and national public schools in Grade 4 Reading

NAEP Reading Grade 4 – Overall
Percentage of Students At or Above Proficient: 2022

- Charlotte: 33%
- Guilford: 27*%
- North Carolina: 32%
- Large City: 26%
- National Public: 32*%

* Value is significantly different from the value for the same jurisdiction in 2019.

NOTE: Observed differences are not necessarily statistically significant.

CMS ranks 5th among large urban districts in Grade 4 Reading

NAEP Reading Grade 4 – Overall Percentage of Students At or Above Proficient: 2022
CMS outperforms NC, large cities, and is on par with national public schools in Grade 8 Reading

NAEP Reading Grade 8 – Overall
Percentage of Students At or Above Proficient: 2022

* Value is significantly different from the value for the same jurisdiction in 2019.
NOTE: Observed differences are not necessarily statistically significant.
CMS ranks 4th among large urban districts in Grade 8 Reading

NAEP Reading Grade 8 – Overall
Percentage of Students At or Above Proficient: 2022
CMS outperforms large cities and keeps pace with NC and national public schools in Grade 4 Math

NAEP Mathematics Grade 4 – Overall
Percentage of Students At or Above Proficient: 2022

* Value is significantly different from the value for the same jurisdiction in 2019.
NOTE: Observed differences are not necessarily statistically significant.
CMS ranks 5th among large urban districts in Grade 4 Math

NAEP Mathematics Grade 4 – Overall
Percentage of Students At or Above Proficient: 2022
CMS outperforms NC, large cities, and national public schools in **Grade 8 Math**

NAEP Mathematics Grade 8 – Overall
*Percentage of Students At or Above Proficient: 2022*

- **Charlotte**: 30*
- **Guilford**: 22*
- **North Carolina**: 25*
- **Large City**: 21*
- **National Public**: 26*

* Value is significantly different from the value for the same jurisdiction in 2019.

NOTE: Observed differences are not necessarily statistically significant.

CMS ranks 1st among large urban districts in Grade 8 Math

NAEP Mathematics Grade 8 – Overall
Percentage of Students At or Above Proficient: 2022
# NAEP Results Summary

Percentage of Students At or Above Proficient in 2022

<table>
<thead>
<tr>
<th></th>
<th>4&lt;sup&gt;th&lt;/sup&gt; Reading</th>
<th>8&lt;sup&gt;th&lt;/sup&gt; Reading</th>
<th>4&lt;sup&gt;th&lt;/sup&gt; Mathematics</th>
<th>8&lt;sup&gt;th&lt;/sup&gt; Mathematics</th>
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</thead>
<tbody>
<tr>
<td>Charlotte-Mecklenburg</td>
<td>33</td>
<td>29</td>
<td>35</td>
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<tr>
<td>Guilford</td>
<td>27</td>
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<td>28</td>
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<tr>
<td>North Carolina</td>
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<td>Large City</td>
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</tr>
<tr>
<td>National Public</td>
<td>32</td>
<td>29</td>
<td>35</td>
<td>26</td>
</tr>
</tbody>
</table>
Proficiency Rates Over Time
NOTE: Observed differences are not necessarily statistically significant.

NAEP Reading Grade 8 – Overall
Percentage of Students At or Above Proficient: 2011-2022

NOTE: Observed differences are not necessarily statistically significant.
NAEP Mathematics Grade 4 – Overall
Percentage of Students At or Above Proficient: 2011-2022

* Value is significantly different from the value for the same jurisdiction in 2019.
NOTE: Observed differences are not necessarily statistically significant.
NAEP Mathematics Grade 8 – Overall
Percentage of Students At or Above Proficient: 2011-2022

* Value is significantly different from the value for the same jurisdiction in 2019.

NOTE: Observed differences are not necessarily statistically significant.

Our Recovery Efforts
CMS Recovery Efforts

We are working intentionally and intensely to accelerate students’ academic recovery. Specific steps being taken include, but are not limited to:

• Monitoring of student progress and academic need in reading and mathematics foundational skills three times year (Fall, Winter, Spring);

• Adjusting daily schedules to ensure access to high quality standards-aligned instruction AND small group instruction based on student needs identified;

• Implementing a Multi-Tiered System of Support (MTSS) to provide students interventions in reading and mathematics as needed on top of any small group instructional support; and

• Providing students additional learning time through after-school academic supports, including tutoring by external partners at targeted schools.
Summary

• On the National Assessment of Educational Progress (NAEP) test, considered the gold standard of tests, CMS is a leader among public school districts, including other large urban school districts.

• Based on the percentage of students at or above proficient, among the 26 participating TUDA districts, CMS ranks:
  – 5th in Grade 4 Reading
  – 4th in Grade 8 Reading
  – 5th in Grade 4 Mathematics
  – 1st in Grade 8 Mathematics

• The percentage of CMS students at or above proficient* continues to exceed the state, large cities, and national public schools in nearly all subjects at grades 4 and 8.

*NAEP achievement levels are NOT equated to grade-level skills.