



*Every Child. Every Day. For a Better Tomorrow.*

# Charlotte-Mecklenburg Schools 2015-2016 Preliminary End-of-Year Results

September 1, 2016



# Strengthening Learning for Every Student

- Instructional Leadership Teams
- Summer Professional Learning
- New Teacher Orientation
- Digital Alignment
- Internal Expertise

# CMS is Continuing to Make Strides Forward

- Grade Level Proficiency (GLP) rates improved in reading, mathematics, science, math I and biology.
- College and Career Ready (CCR) rates improved for the 4<sup>th</sup> year in a row in mathematics, science, math I and biology, and for the 3<sup>rd</sup> year in a row in reading.
- CMS has higher College and Career Ready (CCR) rates than the state in every subject and grade tested, and outperforms most large districts in the state.
- Eighty-six percent (86%) of schools in CMS met or exceeded growth expectations. The highest number of schools, and the highest percentage of schools, making or exceeding growth expectations in the last four years.
- Students performance on the ACT exam, a national measure of college readiness, improved from the previous year.

# CMS is Continuing to Make Strides Forward

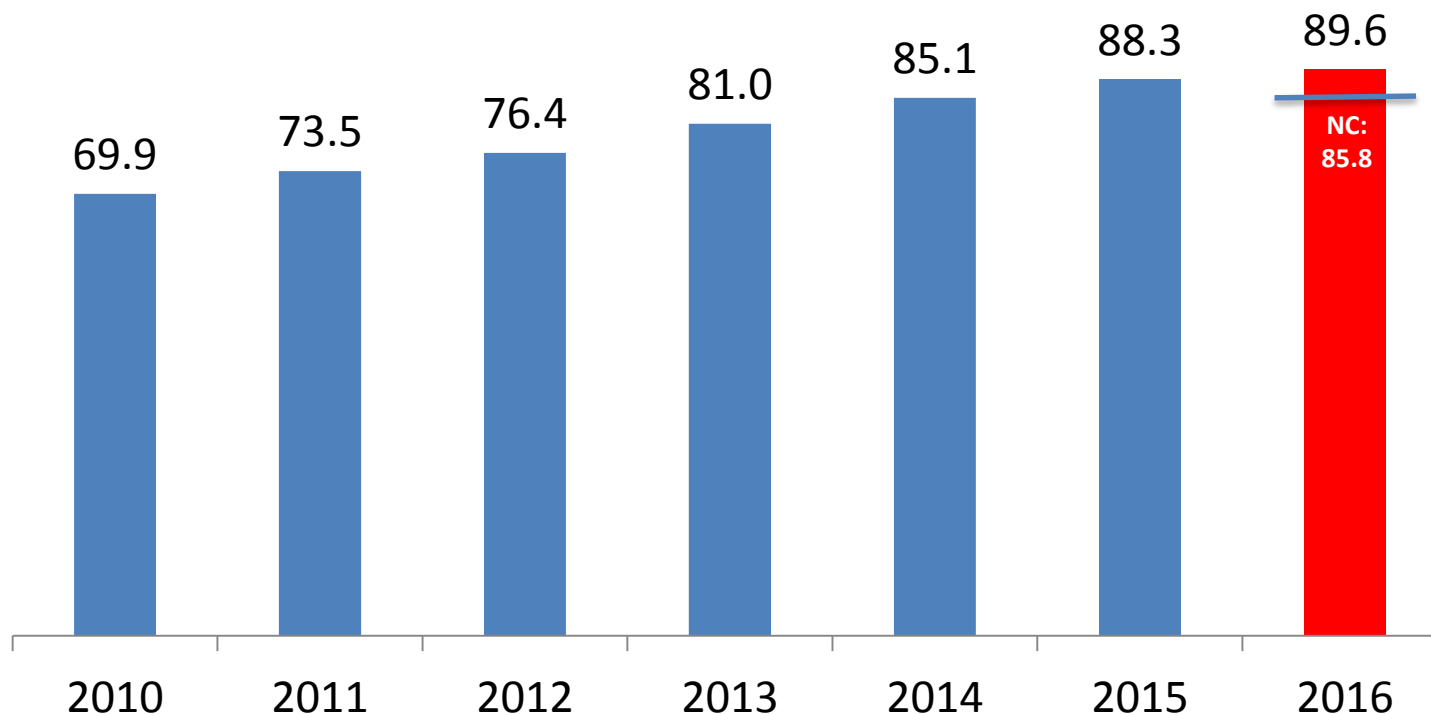
- Student performance on the ACT WorkKeys exam, a national measure of workplace readiness, also improved.
- CMS graduated 89.6% of the 2016 cohort of seniors in four years, marking the 7<sup>th</sup> consecutive year of improvement.
- CMS has a higher four-year cohort graduation rate than the state average and other large school districts in North Carolina.
- The number of schools in CMS receiving a school performance grade of A or A+ increased more than 30%, from 19 to 25 schools.
- The number of schools in CMS receiving a school performance grade of F decreased by 50%, from 10 to 5 schools.
- Nearly 80% of schools in CMS earned a school performance grade of A, B or C.

## 2016 Cohort Graduation Rate (4-Year)

# CMS 4-year Graduation Rate Rises for the 7<sup>th</sup> Consecutive Year

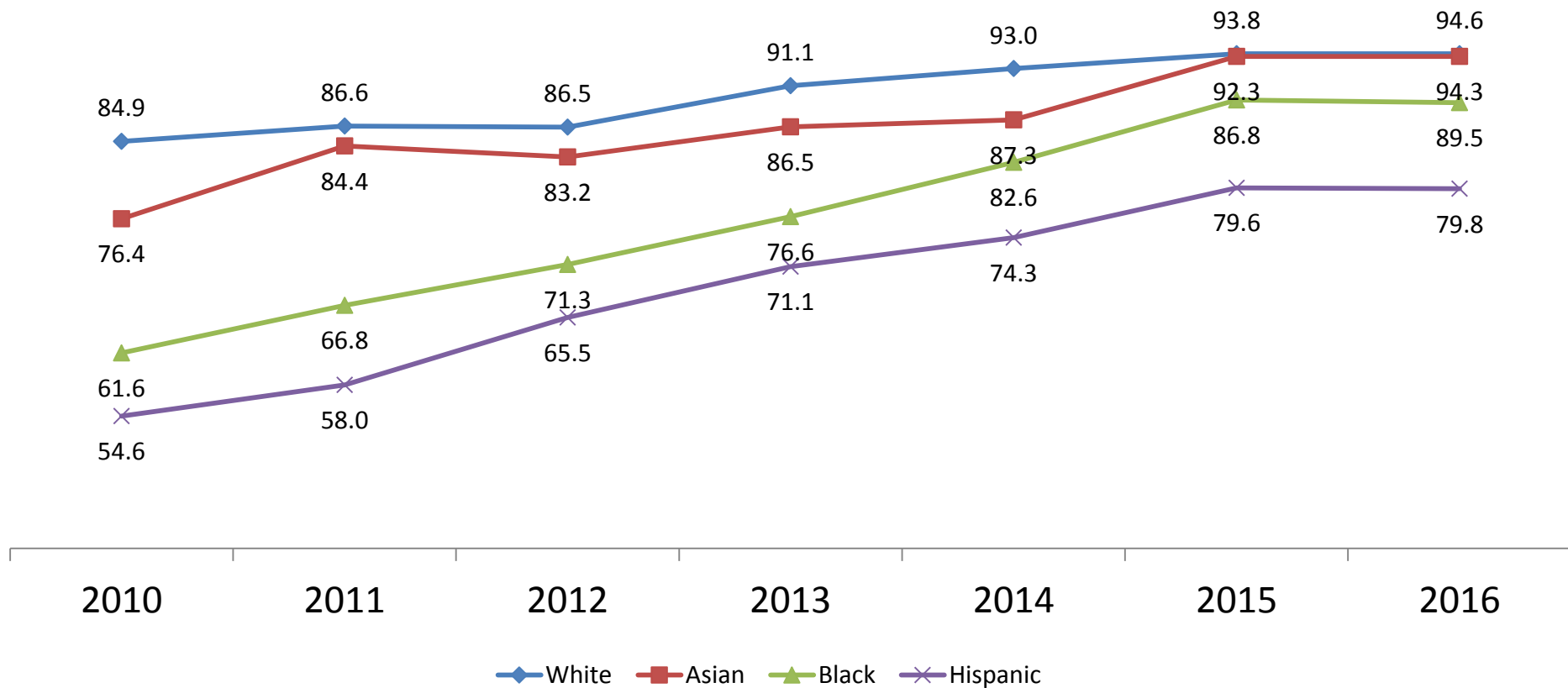
*CMS 4-year Cohort Graduation Rate (2010 – 2016)*

**2010 to 2016 change: +19.7 points**



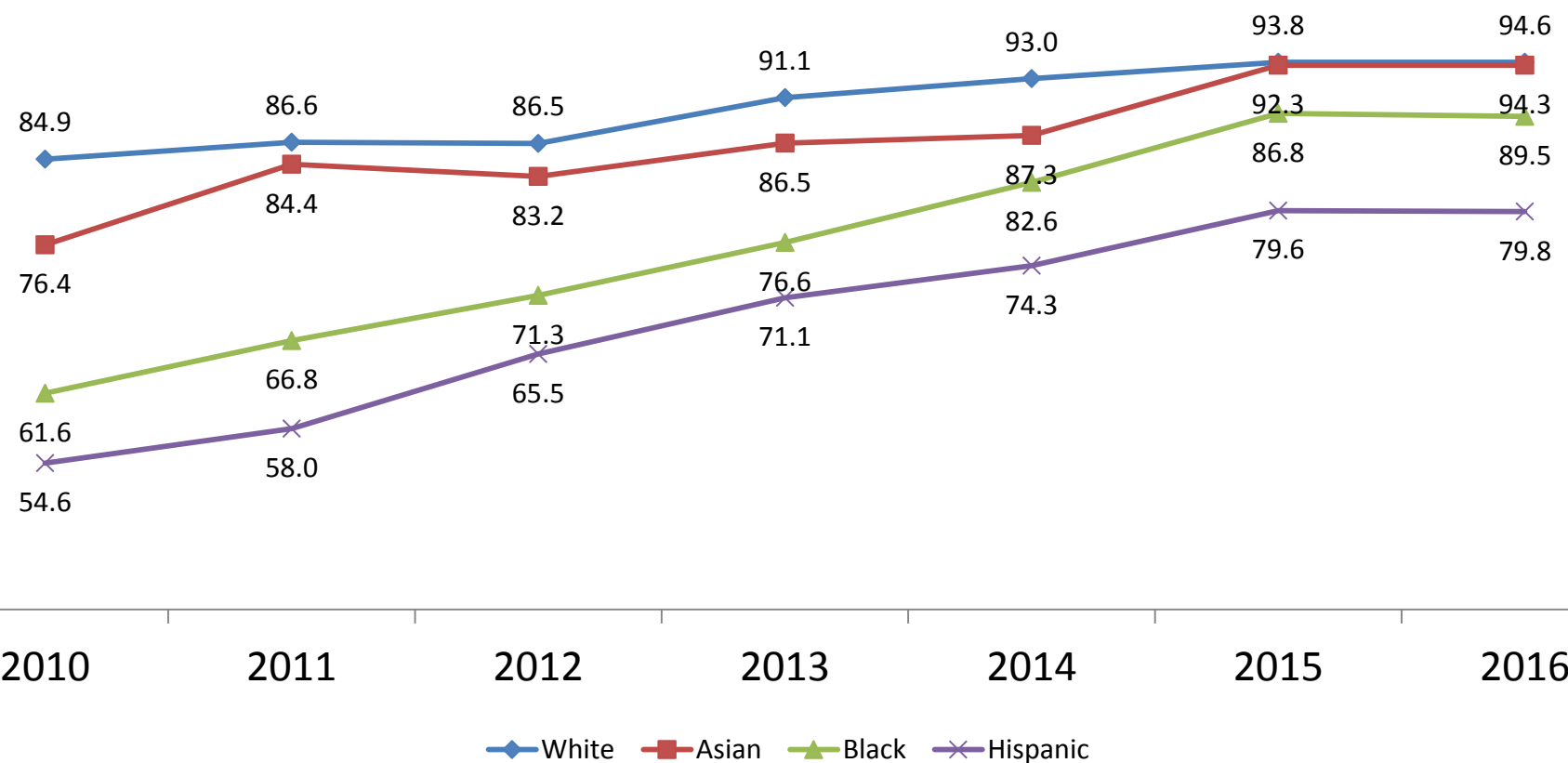
# Graduation Rates Increased for All Racial Subgroups

	2010 to 2016 Gains	2015 to 2016 Gains
White	+ 9.7 points	+ 0.8 points
Asian	+ 17.9 points	+ 2.0 points
Black	+ 27.9 points	+ 2.7 points
Hispanic	+ 25.2 points	+ 0.2 points



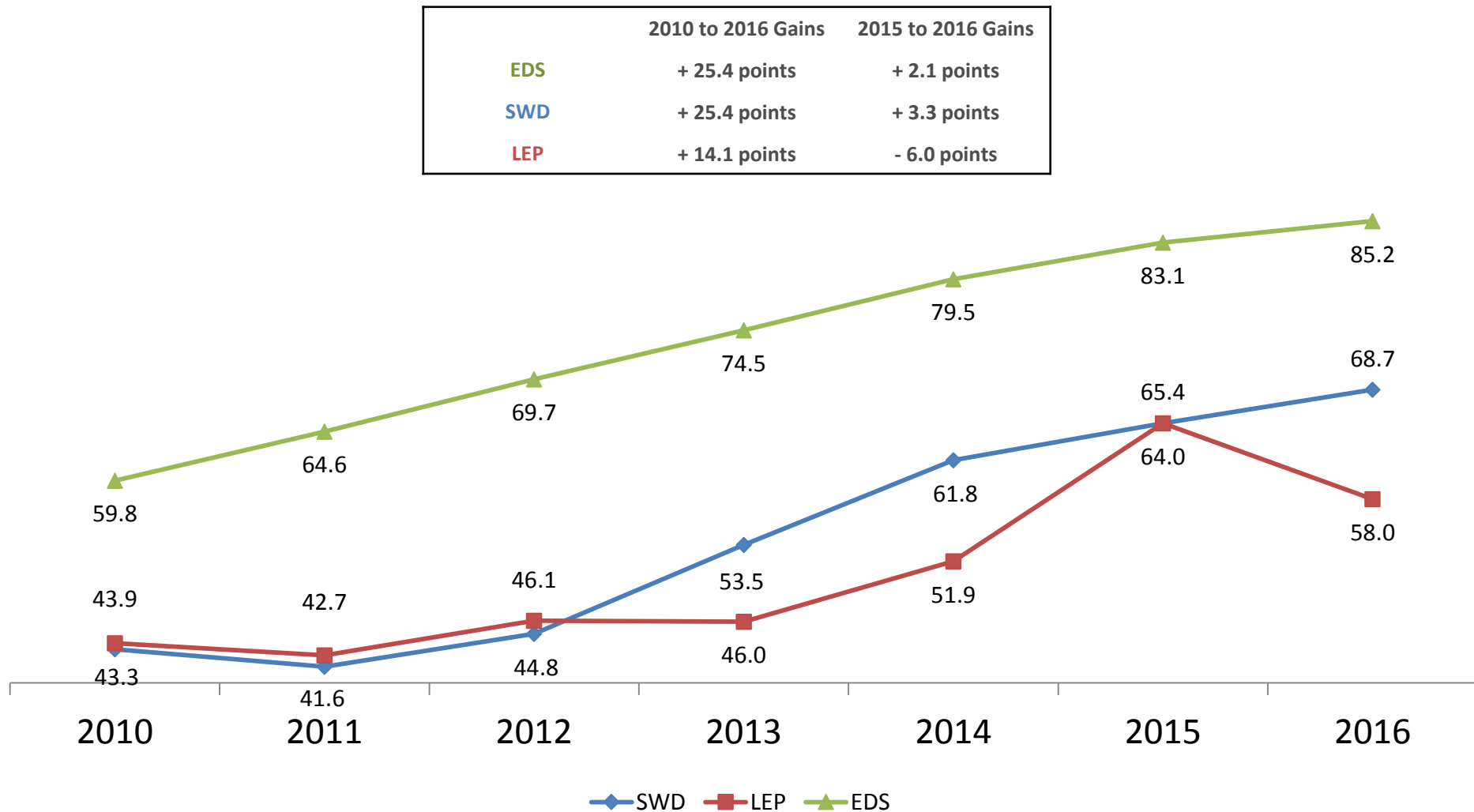
# Graduation Gaps Have Narrowed Dramatically Since 2010

	2010 Gap	2016 Gap	Change: 2010 to 2016
Black-White Gap	23.3 points	5.1 points	- 18.2 points
Hispanic-White Gap	30.3 points	14.8 points	- 15.5 points
Asian-White Gap	8.5 points	0.3 points	- 8.2 points



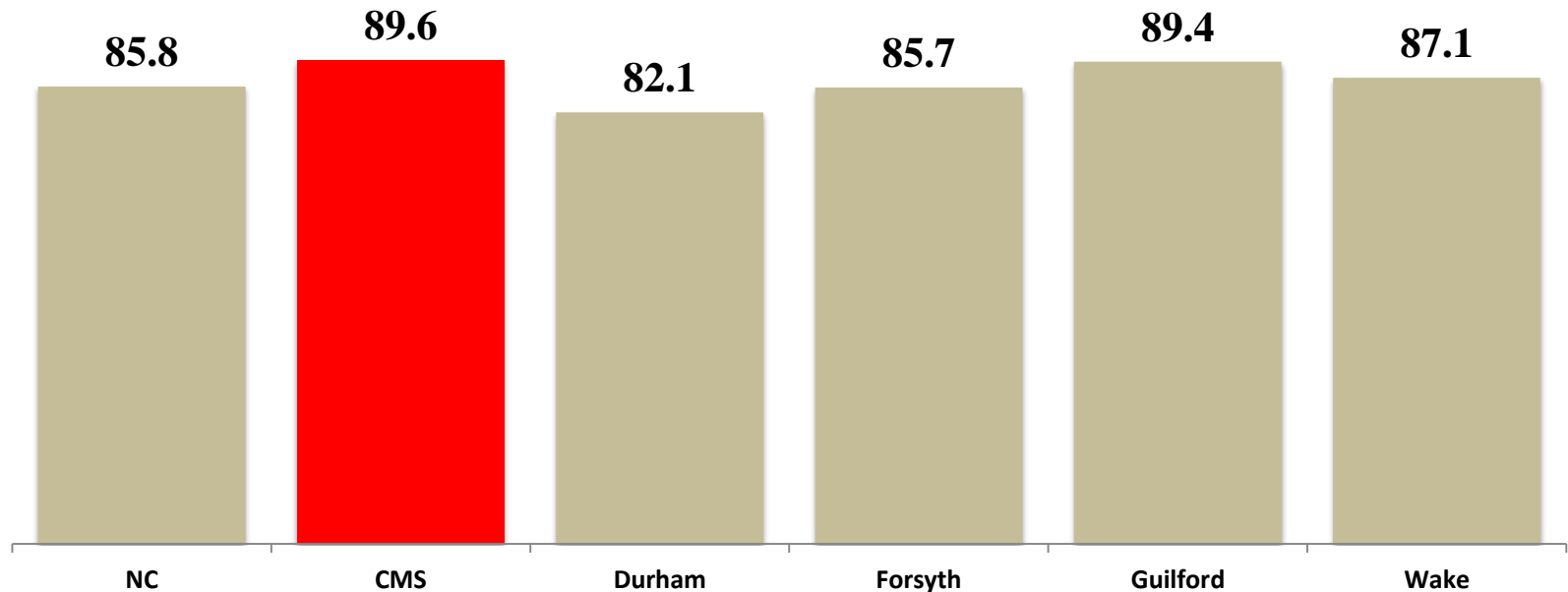


# Graduation Rates for Exceptional Children (Students with Disabilities), and Economically Disadvantaged Students Increased



# CMS' Graduation Rate Exceeds State Average and Rates in Other Large Districts in North Carolina

4-Year Cohort Graduation Rate - 2016



Math and Reading Grades 3-8  
Science Grades 5 & 8  
Math I, English II, & Biology

# Grade Level Proficiency

# The State Redefined Its Definition of Grade Level Proficiency (GLP) and College and Career Readiness (CCR)

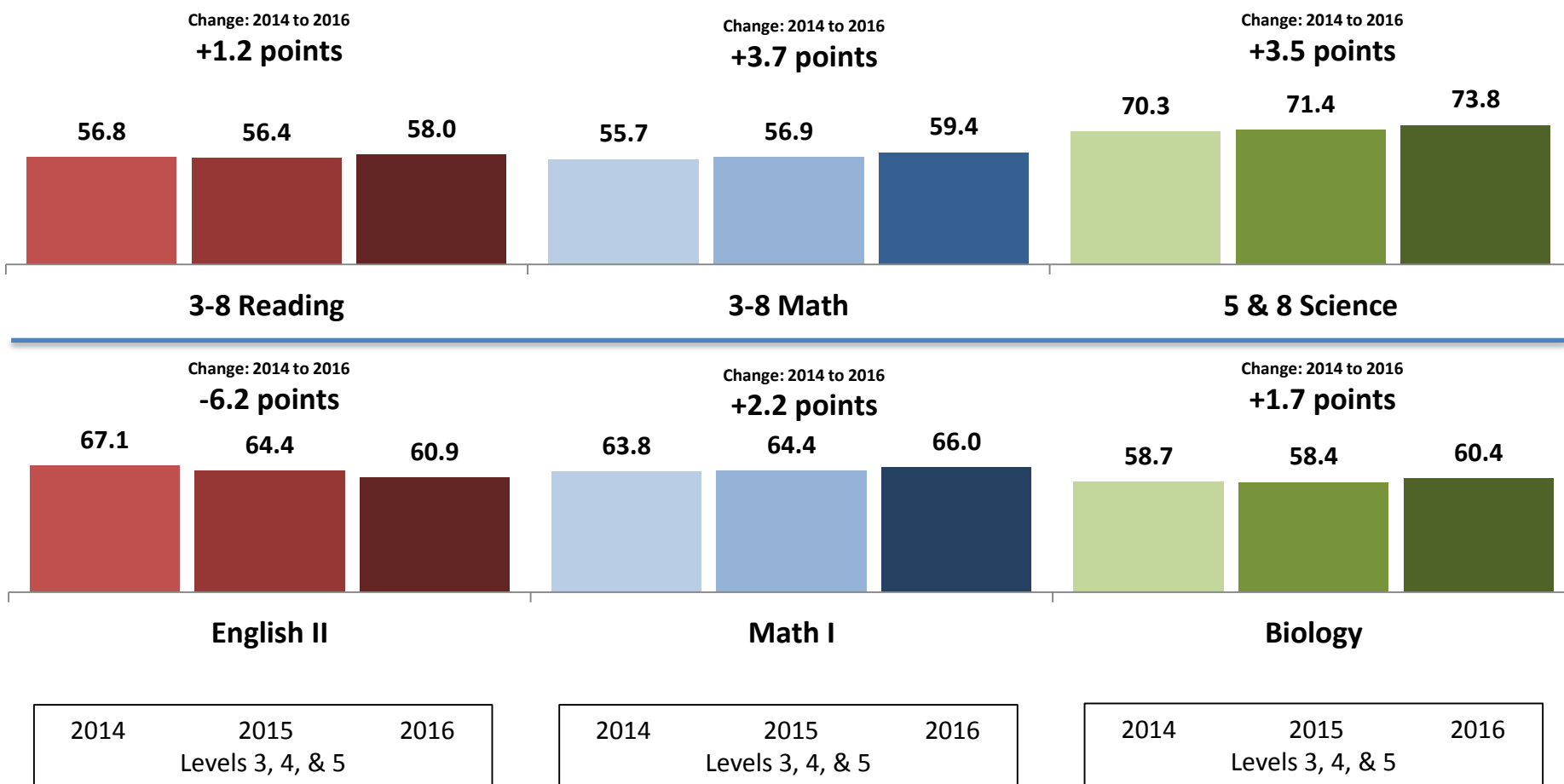
In 2013-14, the State Board of Education adopted a new methodology for determining achievement levels of students.

Revised Achievement Level*	Meets On-Grade-Level Proficiency Standard	Meets College-and-Career Readiness Standard
Level 5 denotes Superior Command of knowledge and skills	Yes	Yes
Level 4 denotes Solid Command of knowledge and skills	Yes	Yes
Level 3 denotes Sufficient Command of knowledge and skills (One standard error from Level 4)	Yes	No
Level 2 denotes Partial Command of knowledge and skills	No	No
Level 1 denotes Limited Command of knowledge and skills	No	No

\*Revised achievement level ranges (cut scores) and achievement level descriptors will be posted at <http://www.ncpublicschools.org/accountability/>.

# CMS Proficiency Rates Are Rising in Nearly All Tested Subjects

Percent of students At or Above Grade Level Proficiency has increased from 2014 to 2016 in every subject except English II



# The Percentage of Students Proficient in Reading is Rising

Percent of Students Grade Level Proficient (Achievement Levels 3, 4, and 5) from 2014-15 to 2015-16

Test	CMS 2014-15 Percent Proficient	CMS 2015-16 Percent Proficient	Change from 2014-15 to 2015-16
Reading 3	59.4%	58.5%	-0.9 points
Reading 4	58.3%	57.9%	-0.4 points
Reading 5	51.6%	55.5%	+3.9 points
Reading 6	56.8%	59.7%	+2.9 points
Reading 7	56.4%	60.4%	+4.0 points
Reading 8	55.3%	56.2%	+0.9 points
Reading 3-8	56.4%	58.0%	+1.6 points

# The Percentage of Students Proficient in Math and Science is Rising

Percent of Students Grade Level Proficient (Achievement Levels 3, 4, and 5) from 2014-15 to 2015-16

Test	CMS 2014-15 Percent Proficient	CMS 2015-16 Percent Proficient	Change from 2014-15 to 2015-16
Math 3	64.2%	68.5%	<b>+4.3 pts.</b>
Math 4	60.3%	62.1%	<b>+1.8 pts.</b>
Math 5	62.0%	65.8%	<b>+3.8 pts.</b>
Math 6	52.9%	55.4%	<b>+2.5 pts.</b>
Math 7	52.5%	53.4%	<b>+0.9 pts.</b>
Math 8	48.5%	49.5%	<b>+1.0 pts.</b>
<b>Math 3-8</b>	<b>56.9%</b>	<b>59.4%</b>	<b>+2.5 pts.</b>

Test	CMS 2014-15 Percent Proficient	CMS 2015-16 Percent Proficient	Change from 2014-15 to 2015-16
Science 5	68.6%	74.5%	<b>+5.9 pts.</b>
Science 8	74.2%	73.0%	<b>-1.2 pts.</b>
<b>Science 5 &amp; 8</b>	<b>71.4%</b>	<b>73.8%</b>	<b>+2.4 pts.</b>



# The Percentage of Students Proficient in Math I and Biology is Rising

Percent of Students Grade Level Proficient (Achievement Levels 3, 4, and 5) from 2014-15 to 2015-16

Test	CMS 2014-15 Percent Proficient	CMS 2015-16 Percent Proficient	Change from 2014-15 to 2015-16
English II	64.4%	60.9%	-3.5 points
Math I	64.4%	66.0%	+1.6 points
Biology	58.4%	60.4%	+2.0 points
EOC Composite	62.6%	62.8%	+0.2 points

# CMS Outperformed the State in Proficiency

Test	CMS 2015-16 Percent Proficient	NC 2015-16 Percent Proficient	Difference between CMS and NC
Reading 3	58.5%	57.8%	<b>+0.7 points</b>
Reading 4	57.9%	58.0%	<b>-0.1 points</b>
Reading 5	55.5%	55.4%	<b>+0.1 points</b>
Reading 6	59.7%	58.7%	<b>+1.0 points</b>
Reading 7	60.4%	58.5%	<b>+1.9 points</b>
Reading 8	56.2%	53.4%	<b>+2.8 points</b>
<b>Reading 3-8</b>	<b>58.0%</b>	<b>56.9%</b>	<b>+1.1 points</b>

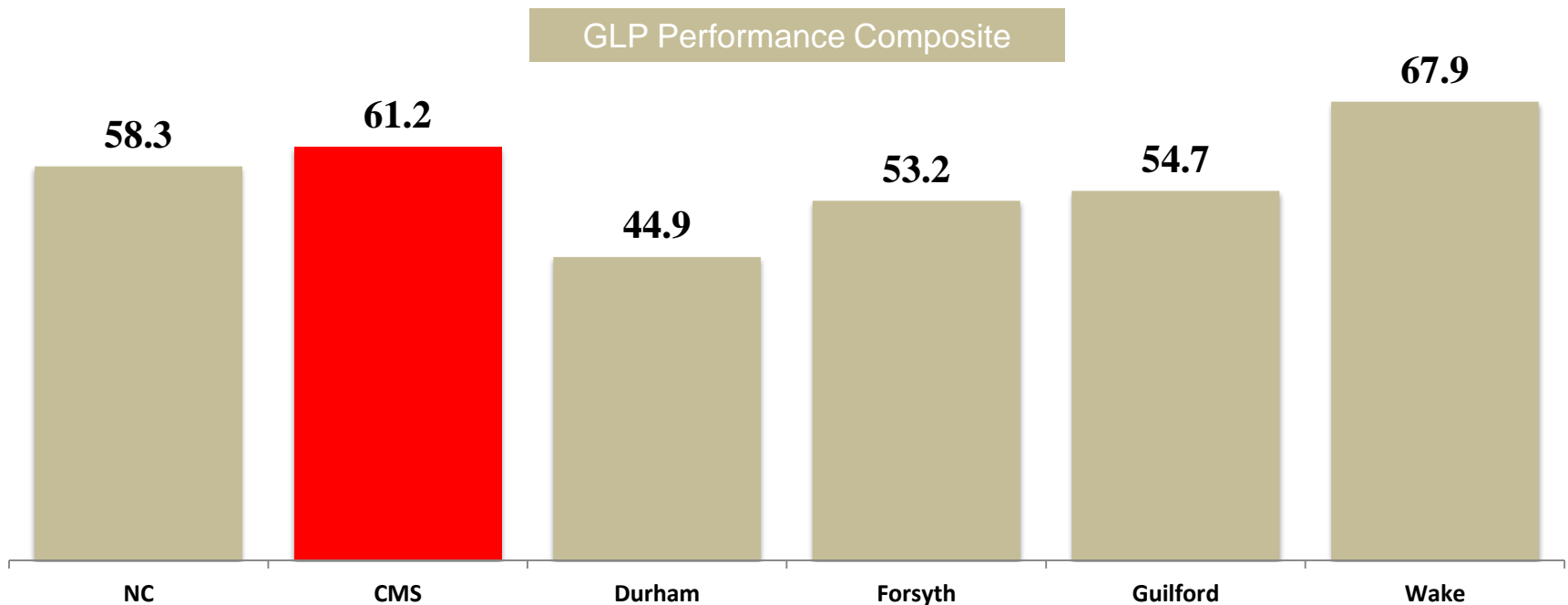
Test	CMS 2015-16 Percent Proficient	NC 2015-16 Percent Proficient	Difference between CMS and NC
Science 5	74.5%	71.6%	<b>+2.9 points</b>
Science 8	73.0%	73.9%	<b>-0.9 points</b>
<b>Science 5 &amp; 8</b>	<b>73.8%</b>	<b>72.7%</b>	<b>+1.1 points</b>

Test	CMS 2015-16 Percent Proficient	NC 2015-16 Percent Proficient	Difference between CMS and NC
Math 3	68.5%	64.6%	<b>+3.9 points</b>
Math 4	62.1%	57.2%	<b>+4.9 points</b>
Math 5	65.8%	60.4%	<b>+5.4 points</b>
Math 6	55.4%	52.0%	<b>+3.4 points</b>
Math 7	53.4%	48.9%	<b>+4.5 points</b>
Math 8	49.5%	44.7%	<b>+4.8 points</b>
<b>Math 3-8</b>	<b>59.4%</b>	<b>54.7%</b>	<b>+4.7 points</b>

Test	CMS 2015-16 Percent Proficient	NC 2015-16 Percent Proficient	Difference between CMS and NC
English II	60.9%	58.8%	<b>+2.1 points</b>
Math I	66.0%	55.5%	<b>+10.5 points</b>
Biology	60.4%	60.5%	<b>-0.1 points</b>
<b>EOC Composite</b>	<b>62.8%</b>	<b>58.5%</b>	<b>+4.3 points</b>

# CMS Outperformed the State and Most Other Large Districts in North Carolina

Overall Performance Composite – Percent Grade Level Proficient (Levels 3, 4 and 5)  
by District and NC



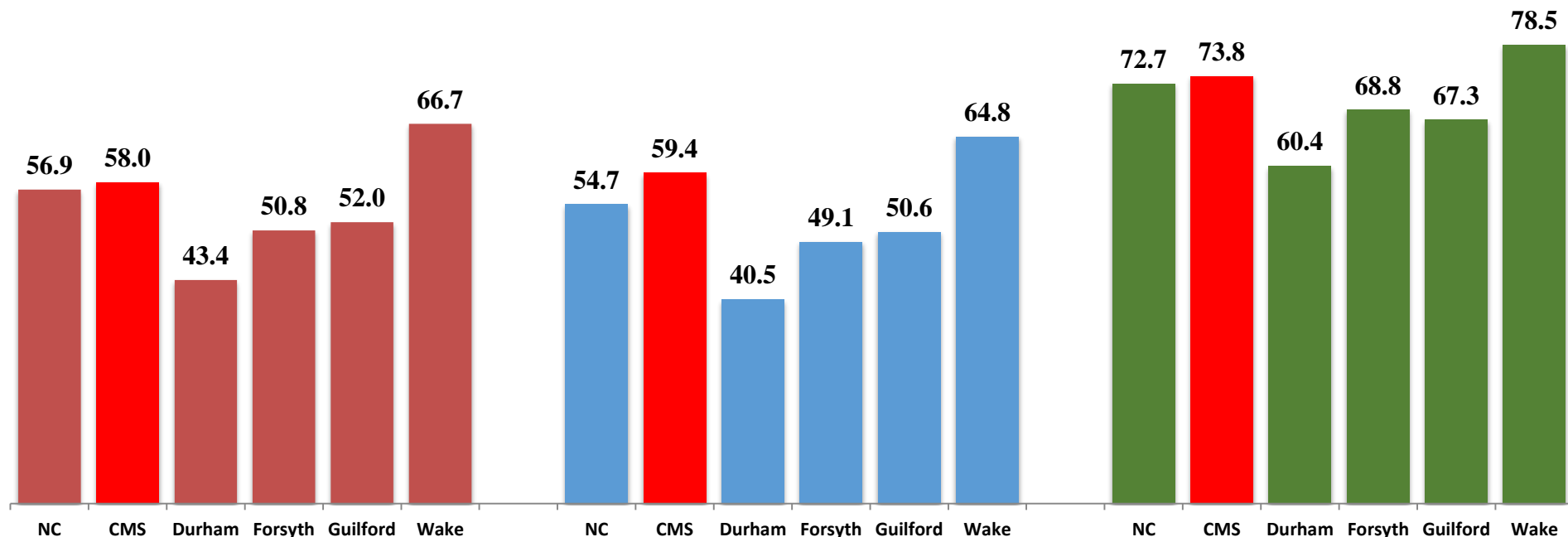
# CMS Outperformed the State and Most Other Large Districts in North Carolina

Percent of Students Grade Level Proficient in Reading, Math and Science by District and NC

3-8 Reading GLP

3-8 Math GLP

5 & 8 Science GLP



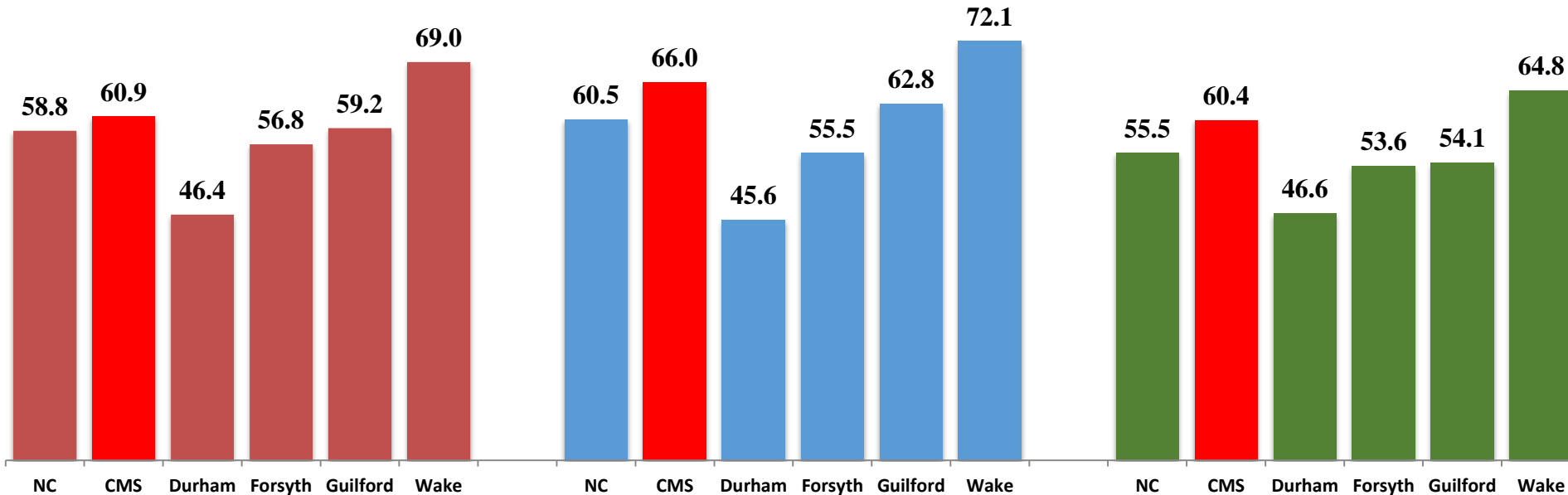
# CMS Outperformed the State and Most Other Large Districts in North Carolina

Percent of Students Grade Level Proficient on the English II, Math I, and Biology Exams by District and NC

English II GLP

Math I GLP

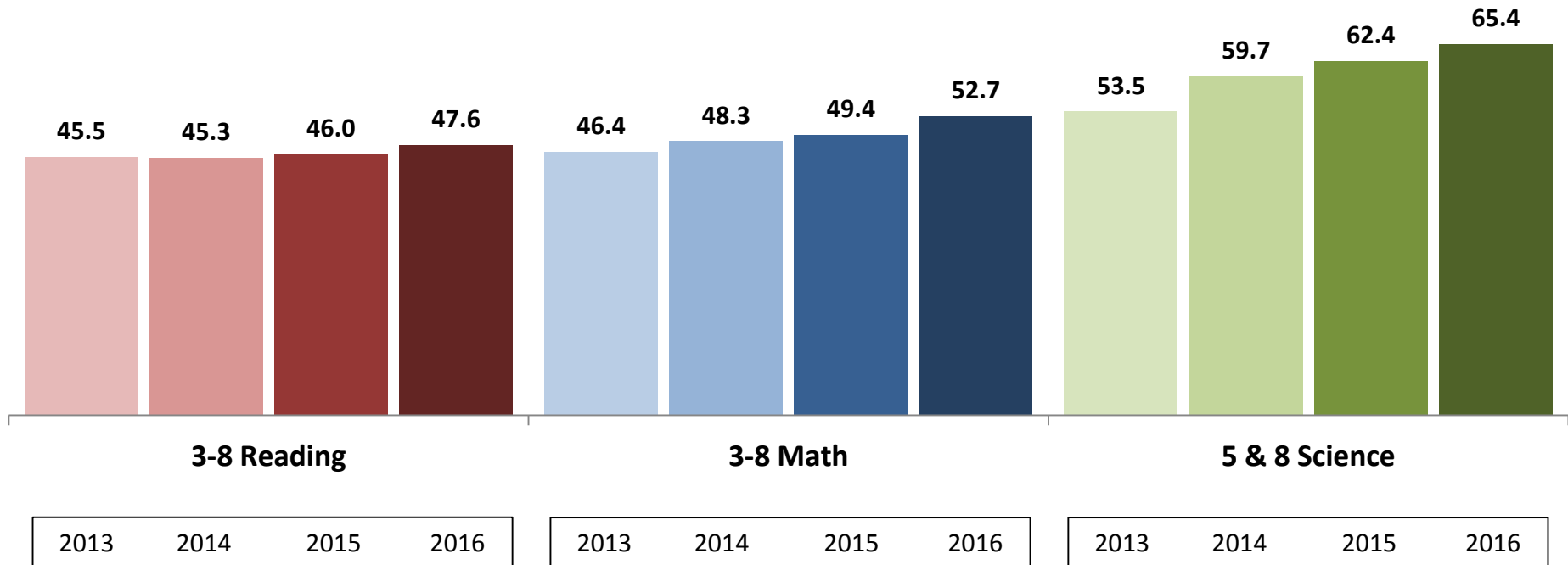
Biology GLP



# College and Career Ready

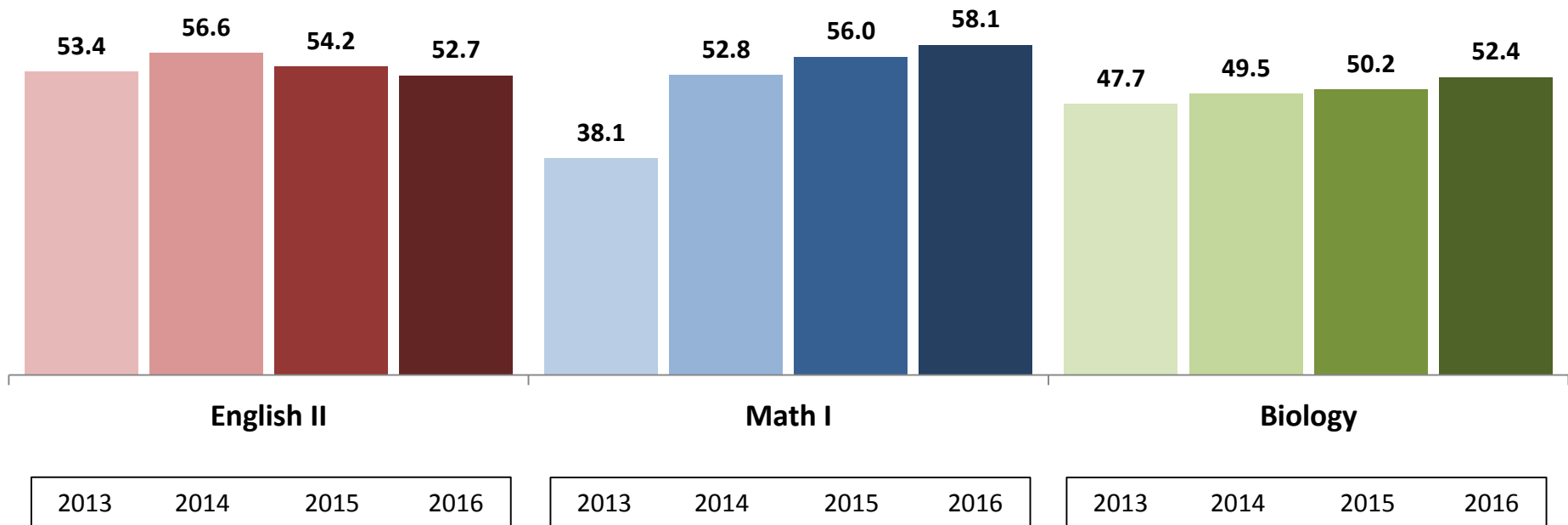
# College and Career Readiness Rates are Rising in All End-of-Grade (EOG) Tested Subjects

Percent of Students College and Career Ready has increased from 2013 to 2016  
in every End-of-Grade (EOG) subject



# College and Career Readiness Rates are Rising in Nearly All End-of-Course (EOC) Tested Subjects

Percent of Students College and Career Ready has increased from 2013 to 2016 in End-of-Course (EOC) subjects except English II





# The Percentage of Students CCR In Reading is Rising

Percent of Students College and Career Ready (Achievement Levels 4 and 5) from 2014-15 to 2015-16

Test	CMS 2014-15 Percent C & C Ready	CMS 2015-16 Percent C & C Ready	Change from 2014-15 to 2015-16
Reading 3	47.4%	49.6%	+2.2 points
Reading 4	47.5%	46.6%	-0.9 points
Reading 5	41.8%	44.3%	+2.5 points
Reading 6	47.0%	51.2%	+4.2 points
Reading 7	47.8%	49.1%	+1.3 points
Reading 8	44.1%	44.8%	+0.7 points
Reading 3-8	46.0%	47.6%	+1.6 points

# The Percentage of Students CCR in Math and Science is Rising

Percent of Students College and Career Ready (Achievement Levels 4 and 5) from 2014-15 to 2015-16

Test	CMS 2014-15 Percent C & C Ready	CMS 2015-16 Percent C & C Ready	Change from 2014-15 to 2015-16
Math 3	51.5%	57.1%	<b>+5.6 pts.</b>
Math 4	53.6%	56.7%	<b>+3.1 pts.</b>
Math 5	56.6%	60.4%	<b>+3.8 pts.</b>
Math 6	46.2%	49.0%	<b>+2.8 pts.</b>
Math 7	45.9%	47.3%	<b>+1.4 pts.</b>
Math 8	42.6%	44.2%	<b>+1.6 pts.</b>
<b>Math 3-8</b>	<b>49.4%</b>	<b>52.7%</b>	<b>+3.3 pts.</b>

Test	CMS 2014-15 Percent C & C Ready	CMS 2015-16 Percent C & C Ready	Change from 2014-15 to 2015-16
Science 5	59.3%	66.1%	<b>+6.8 pts.</b>
Science 8	65.4%	64.6%	<b>-0.8 pts.</b>
<b>Science 5 &amp; 8</b>	<b>62.4%</b>	<b>65.4%</b>	<b>+3.0 pts.</b>

# The Percentage of Students CCR in Math I and Biology is Rising

Percent of Students College and Career Ready (Achievement Levels 4 and 5) from 2014-15 to 2015-16

Test	CMS 2014-15 Percent C & C Ready	CMS 2015-16 Percent C & C Ready	Change from 2014-15 to 2015-16
English II	54.2%	52.7%	-1.5 points
Math I	56.0%	58.1%	+1.1 points
Biology	50.2%	52.4%	+2.2 points
EOC Composite	53.7%	54.8%	+1.1 points

# CMS Outperformed the State in CCR in Every Subject and Grade Tested

Test	CMS 2015-16 Percent CCR	NC 2015-16 Percent CCR	Difference between CMS and NC
Reading 3	49.6%	47.8%	<b>+1.8 points</b>
Reading 4	46.6%	45.8%	<b>+0.8 points</b>
Reading 5	44.3%	43.1%	<b>+1.2 points</b>
Reading 6	51.2%	49.6%	<b>+1.6 points</b>
Reading 7	49.1%	47.1%	<b>+2.0 points</b>
Reading 8	44.8%	41.5%	<b>+3.3 points</b>
<b>Reading 3-8</b>	<b>47.6%</b>	<b>45.8%</b>	<b>+1.8 points</b>

Test	CMS 2015-16 Percent CCR	NC 2015-16 Percent CCR	Difference between CMS and NC
Math 3	57.1%	51.7%	<b>+5.4 points</b>
Math 4	56.7%	51.1%	<b>+5.6 points</b>
Math 5	60.4%	54.0%	<b>+6.4 points</b>
Math 6	49.0%	44.3%	<b>+4.7 points</b>
Math 7	47.3%	42.0%	<b>+5.3 points</b>
Math 8	44.2%	38.5%	<b>+5.7 points</b>
<b>Math 3-8</b>	<b>52.7%</b>	<b>47.0%</b>	<b>+5.7 points</b>

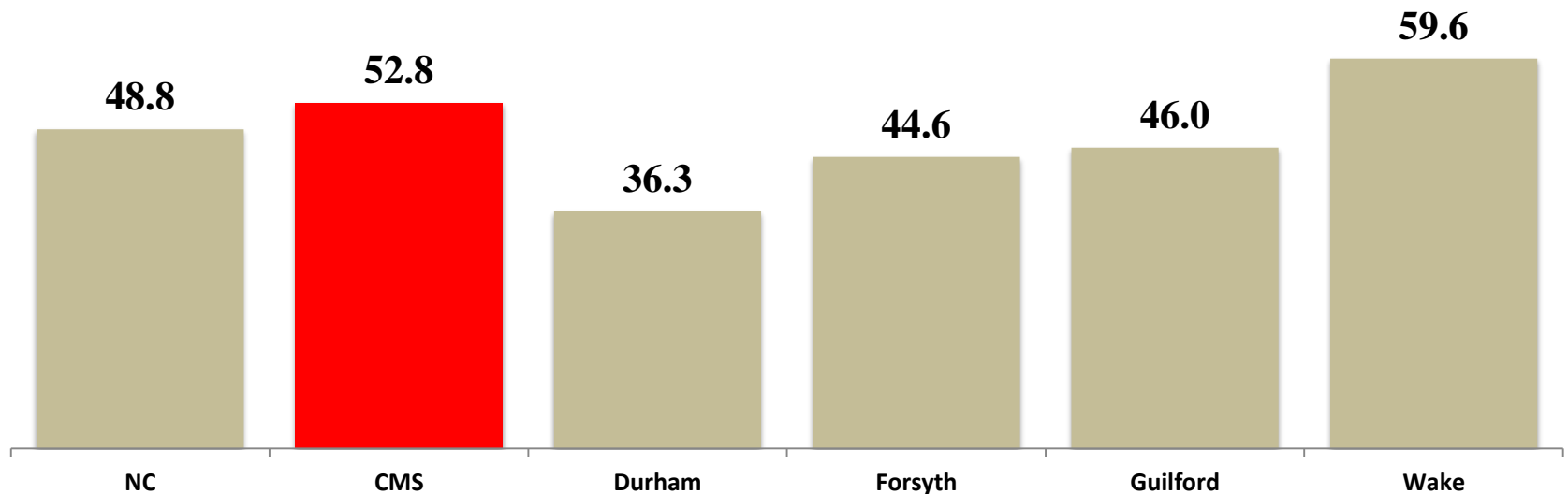
Test	CMS 2015-16 Percent CCR	NC 2015-16 Percent CCR	Difference between CMS and NC
Science 5	66.1%	61.8%	<b>+4.3 points</b>
Science 8	64.6%	64.5%	<b>+0.1 points</b>
<b>Science 5 &amp; 8</b>	<b>65.4%</b>	<b>63.1%</b>	<b>+2.3 points</b>

Test	CMS 2015-16 Percent CCR	NC 2015-16 Percent CCR	Difference between CMS and NC
English II	52.7%	49.6%	<b>+3.1 points</b>
Math I	58.1%	49.8%	<b>+8.3 points</b>
Biology	52.4%	47.3%	<b>+5.1 points</b>
<b>EOC Composite</b>	<b>54.8%</b>	<b>49.0%</b>	<b>+5.8 points</b>

# CMS Outperformed the State and Most Other Large Districts in North Carolina

Overall Performance Composite – Percent College and Career Ready (Levels 4 and 5)  
by District and NC

CCR Performance Composite



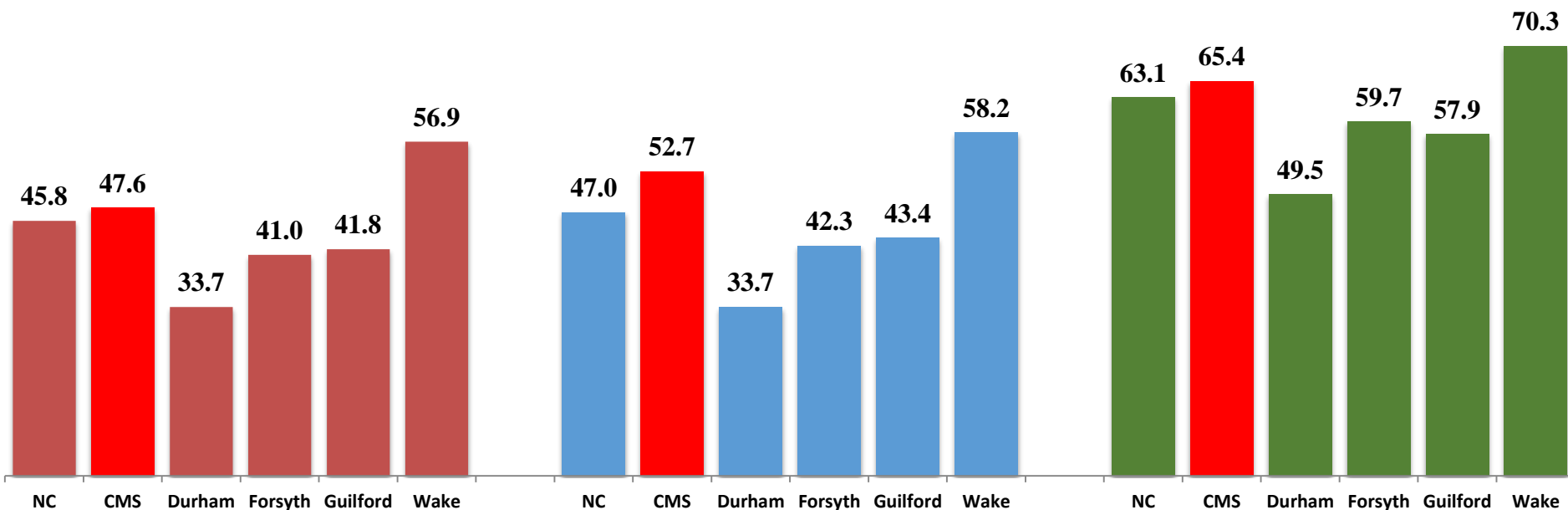
# CMS Outperformed the State and Most Other Large Districts in North Carolina

Percent of Students College & Career Ready on the Reading and Math EOG Tests by District and NC

3-8 Reading CCR

3-8 Math CCR

5 & 8 Science CCR



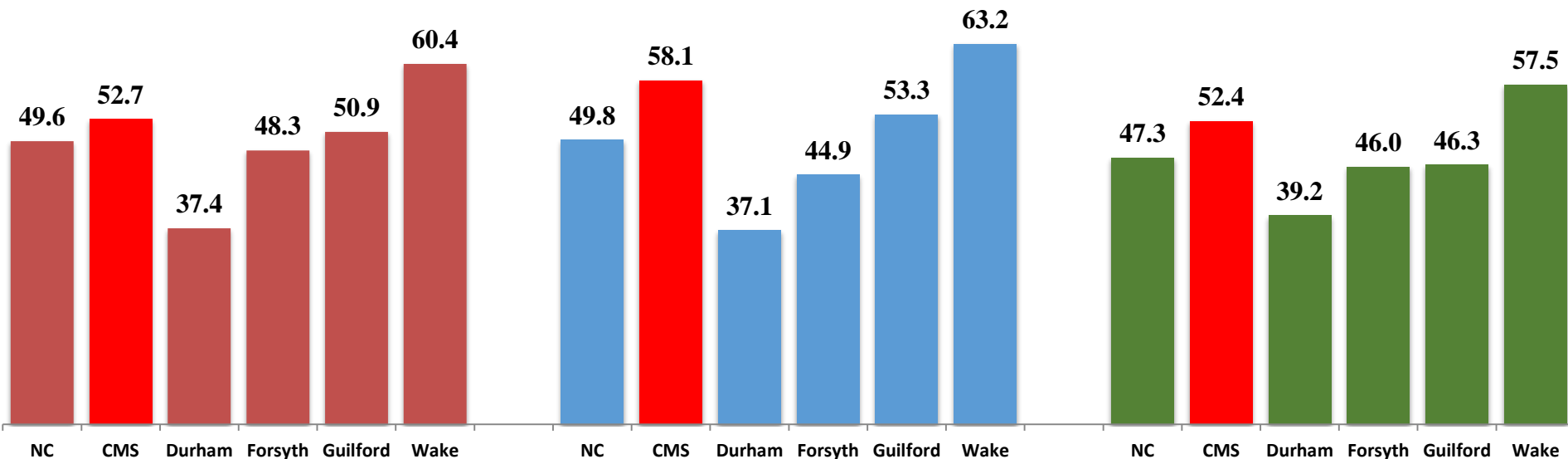
# CMS Outperformed the State and Most Other Large Districts in North Carolina

Percent of Students College & Career Ready on the EOC Tests by District and NC

English II CCR

Math I CCR

Biology CCR



# Schools Meeting or Exceeding Expected Growth: 2012-13 to 2015-16



# School Growth

- School Growth is an indication of the average rate at which students in a school learned over the past year.
- The standard is roughly equivalent to a year's worth of expected growth for a year of instruction.
- The growth measure is defined in one of three ways:
  - did not meet expected growth;
  - met expected growth; or
  - exceeded expected growth.

# 86% of CMS Schools Met or Exceeded Growth Expectations, Outperforming the State

Year	District/ State	Total Number of Schools	# Meeting or Exceeding Growth	% Meeting or Exceeding Growth
2012-13	CMS	156*	127	81.4%
2013-14	CMS	157*	130	82.8%
2014-15	CMS	158**	130	82.3%
2015-16	CMS	163***	140	85.9%
2015-16	NC	-----	-----	73.6%

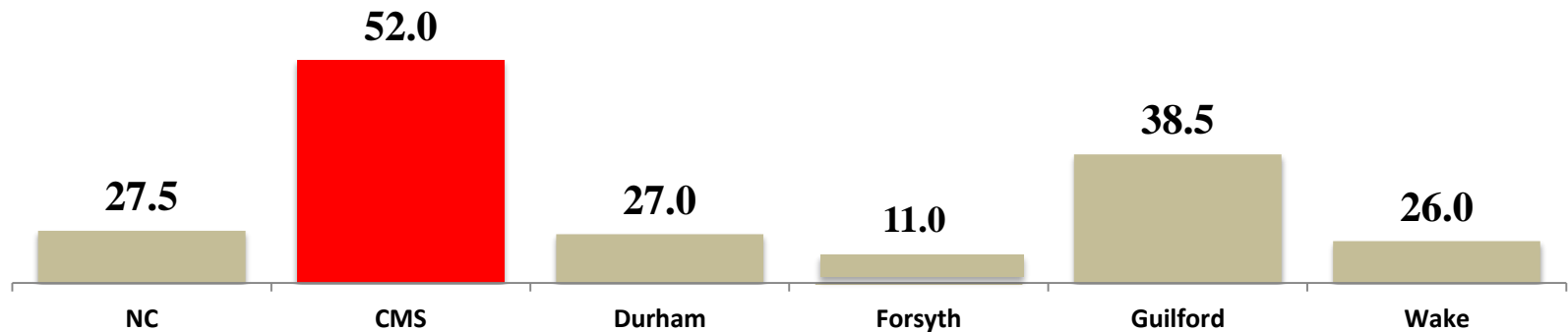
\*In 2012-13, three schools did not have growth data, as provided by EVAAS/NC (Metro, Lincoln Heights, Cato Middle College) and are not included in the denominator

\*\*In 2014-15, Trillium Springs, Turning Point Academy, Levine Middle College, Metro, Lincoln Heights, Cato Middle College do not have growth data and were not included in the denominator.

\*\*\*In 2015-16, five schools did not have growth data, as provided by EVAAS/NC (Cato Middle College High, Turning Point Academy, Levine Middle College High, Metro School, and Lincoln Heights) and are not included in the denominator

# CMS Outperformed the State and Other Large NC School Districts in Exceeding Student Growth Expectations

Percent of Schools Exceeding Expected Growth



# School Performance Grades: 2013-14 to 2015-16

# School Performance Grades

Effective as of the 2013-14 school year, North Carolina assigns School Performance Grades to all public schools. The School Performance Grades are based on student achievement (80%) and growth (20%). The indicators and the proficiency standard or benchmark used for achievement include:

1. Annual end-of-grade (EOG) mathematics and reading assessments in grades 3–8 and science assessments in grades 5 and 8 (Level 3 and above)
2. Annual end-of-course (EOC) assessments in Math I, Biology, and English II (Level 3 and above)
3. The percentage of graduates who complete Math III, Algebra II, or Integrated Math III with a passing grade
4. The percentage of grade 11 students who achieve the minimum score required for admission into a constituent institution of The University of North Carolina on the ACT (composite score of 17)
5. The percentage of graduates identified as Career and Technical Education concentrators who meet the Silver Certificate or higher on the ACT WorkKeys assessment
6. The percentage of students who graduate within four years of entering high school (Standard [4-Year] Cohort Graduation Rate)

The EVAAS model, which provides the growth measure, uses current and previous student test data to determine whether schools are maintaining or increasing student achievement from one year to the next. In the event that a school does not have a Growth Score, only the School Achievement Score is used to calculate the Performance Score.

It is important to note that schools that have met or exceeded growth may still receive a low School Performance Grade since achievement accounts for 80% of the grade.

For 2013–14 through 2015-16, the grade designations are set on a 15 point scale:

<b>A = 85–100</b>	<b>B = 70–84</b>	<b>C = 55–69</b>	<b>D = 40–54</b>	<b>F = 39 or Less</b>
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# School Performance Grades in CMS 2013 to 2015

Year	A+ N/(%)	A N/(%)	B N/(%)	C N/(%)	D N/(%)	F N/(%)	Total
2013-14	--	17 (11%)	47 (30%)	46 (29%)	36 (23%)	11 (7%)	157*
2014-15	8 (5%)	11 (7%)	50 (31%)	44 (28%)	37 (23%)	10 (6%)	160**

## Notes:

In 2014-15, the state introduced A+ grades. Schools that earn an “A” designation and do not have significant achievement and/or graduation gaps will be designated as an “A+” school. Significant achievement and graduation gaps are defined as in-school gaps that are above the three-year state average when averaging gaps in the previous year and at least one of the two prior years between the highest-achieving subgroup and lowest-achieving subgroup.

In 2014-15, eight schools were designated as A+ schools.

In 2015-16, 14 schools were designated as A+ schools. These schools are Hough HS, Bain ES, Beverly Woods ES, Elon Park ES, Polo Ridge ES, Hawk Ridge ES, Huntersville ES, JV Washam ES, McKee Road ES, Old Providence ES, Piedmont IB MS, Providence Spring ES, Providence HS, and Torrence Creek ES.

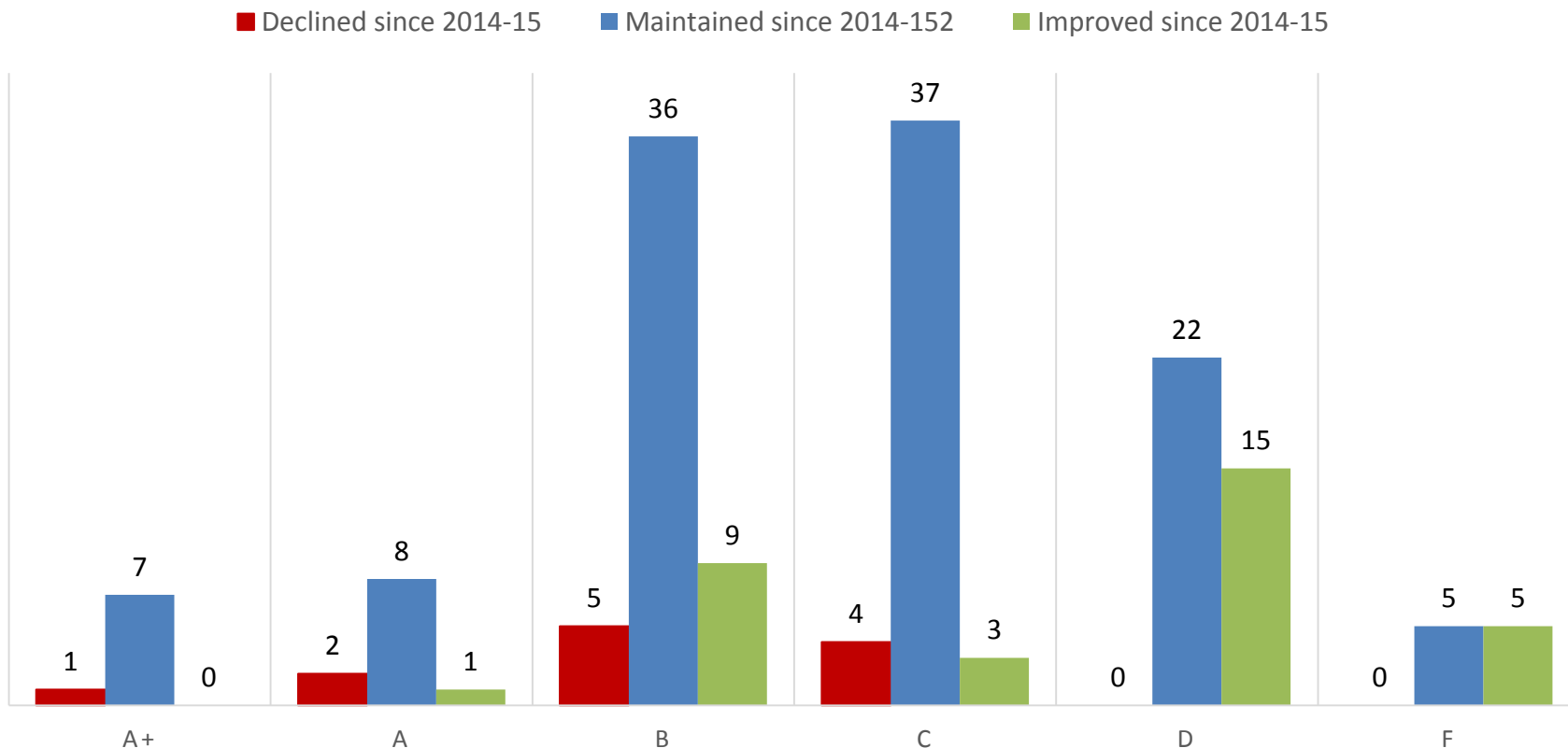
\*In 2013-14, two schools used the “Local Options” process to grade their performance (Metro School and Turning Point) and are not included in the denominator. One school (Lincoln Heights) did not receive a School Performance Grade and is not included in the denominator.

\*\*In 2014-15, three schools used an alternative accountability model (Lincoln Heights, Metro School, and Turning Point) and are not included in the denominator. One school (Trillium Springs) was a new school in 2014-15 and is not included in the denominator.

\*\*\*In 2015-16, three schools used an alternative accountability model (Lincoln Heights, Metro School, and Turning Point) and are not included in the denominator.

# School Performance Grade Changes

## SPG IMPROVEMENT FROM 2014-15 TO 2015-16



Note: There are eight schools that are not included in this chart because they did not have a School Performance Grade in one or both years because they use an alternate accountability model or because they were new schools in 2015-16.

# Number of Schools with an A or A+ Increased for the 2<sup>nd</sup> Year

25 schools received a SPG of A or A+ compared to 19 schools in 2014-15

The number of schools receiving an F grade decreased from 10 in 2014-15 to 5 in 2015-16

Year	A+ N/(%)	A N/(%)	B N/(%)	C N/(%)	D N/(%)	F N/(%)	Total
2013-14	--	17 (11%)	47 (30%)	46 (29%)	36 (23%)	11 (7%)	157
2014-15	8 (5%)	11 (7%)	50 (31%)	44 (28%)	37 (23%)	10 (6%)	160
<b>2015-16</b>	<b>14 (8%)</b>	<b>11 (7%)</b>	<b>42 (25%)</b>	<b>61 (37%)</b>	<b>32 (19%)</b>	<b>5 (3%)</b>	<b>165</b>

## Notes:

In 2014-15, the state introduced A+ grades. Schools that earn an “A” designation and do not have significant achievement and/or graduation gaps will be designated as an “A+” school. Significant achievement and graduation gaps are defined as in-school gaps that are above the three-year state average when averaging gaps in the previous year and at least one of the two prior years between the highest-achieving subgroup and lowest-achieving subgroup. In 2014-15, eight schools were designated as A+ schools. In 2015-16, 14 schools were designated as A+ schools. These schools are Hough HS, Bain ES, Beverly Woods ES, Elon Park ES, Polo Ridge ES, Hawk Ridge ES, Huntersville ES, JV Washam ES, McKee Road ES, Old Providence ES, Piedmont IB MS, Providence Spring ES, Providence HS, and Torrence Creek ES.



# ACT Performance 2015-16

# ACT Performance Overview

*North Carolina is one of 20 states in the country in 2016 to require their graduates to take the ACT during their high school career.*

	2016				
	English Average Score (Change from 2015)	Math Average Score (Change from 2015)	Reading Average Score (Change from 2015)	Science Average Score (Change from 2015)	Composite Average Score (Change from 2015)
CMS	17.6 (0)	19.4 (+.1)	19.2 (-.1)	19.0 (+.5)	18.9 (+.1)
State	17.8 (+.2)	19.4 (-.1)	19.5 (+.3)	19.2 (+.2)	19.1 (+.1)
Nation	20.1 (-.3)	20.6 (-.2)	21.3 (-.1)	20.8 (-.1)	20.8 (-.2)

# CMS Improved Performance on ACT WorkKeys Exam for the 4<sup>th</sup> Straight Year

*Attainment of a Silver Certificate or Better is an Indicator of Career and Workplace Readiness*

*ACT WorkKeys Performance – Senior CTE Concentrators*

	Percent of Senior CTE Concentrators with a Silver Certificate or Better			
	2012-13	2013-14	2014-15	2015-16
CMS	68.9%	73.7%	73.9%	76.1%
State	67.3%	67.6%	72.1%	73.5%

# CMS is Continuing to Make Strides Forward

- Grade Level Proficiency (GLP) rates improved in reading, mathematics, science, math I and biology.
- College and Career Ready (CCR) rates improved for the 4<sup>th</sup> year in a row in mathematics, science, math I and biology, and for the 3<sup>rd</sup> year in a row in reading.
- CMS has higher College and Career Ready (CCR) rates than the state in every subject and grade tested, and outperforms most large districts in the state.
- Eighty-six percent (86%) of schools in CMS met or exceeded growth expectations. The highest number of schools, and the highest percentage of schools, making or exceeding growth expectations in the last four years.
- Students performance on the ACT exam, a national measure of college readiness, improved from the previous year.

# CMS is Continuing to Make Strides Forward

- Student performance on the ACT WorkKeys exam, a national measure of workplace readiness, also improved.
- CMS graduated 89.6% of the 2016 cohort of seniors in four years, marking the 7<sup>th</sup> consecutive year of improvement.
- CMS has a higher four-year cohort graduation rate than the state average and other large school districts in North Carolina.
- The number of schools in CMS receiving a school performance grade of A or A+ increased more than 30%, from 19 to 25 schools.
- The number of schools in CMS receiving a school performance grade of F decreased by 50%, from 10 to 5 schools.
- Nearly 80% of schools in CMS earned a school performance grade of A, B or C.

# Huntingtowne Farms Elementary

