Next Generation MCAS Year 3 Overview

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Interpreting the Results

- Next-generation MCAS achievement levels are **not equivalent** to the legacy achievement levels
- Standards for Meeting Expectations (Next-Gen) are **more rigorous** than the standards for reaching the Proficient (Legacy).
- The results do NOT mean that students learned more or less; it is just a **different measure**
- Test results are **more similar** regardless of grade/subject

2019 MCAS Context

- <u>All</u> tests on computer! (first year)
- Next–Gen MCAS in all grades except HS Science
  - Different types of items
  - More rigorous items / ELA Essays
  - Achievement Levels: E, M, PM, NM
- Legacy MCAS in HS Science
  - Achievement Levels: A, P, NI, W
- New approach for HS competency determination (CD)
  - interim passing standards for classes of 2021 and 2022

Legacy MCAS Scoring vs. Next-Generation MCAS Scoring

★ Legacy (Scaled Score 200-280)

Advanced (260-280)
Students at this level demonstrate a comprehensive and in-depth understanding of rigorous subject matter, and provide sophisticated solutions to complex problems.

Proficient (240-258)
Students at this level demonstrate a solid understanding of challenging subject matter and solve a wide variety of problems.

Needs Improvement (220-238)
Students at this level demonstrate a partial understanding of subject matter and solve some simple problems.

Warning (200-218)
Students at this level demonstrate a minimal understanding of subject matter and do not solve simple problems.

★ Next-gen (Scaled Score 440-560)

Exceeding Expectations (530-560)
A student who performed at this level exceeded grade-level expectations by demonstrating mastery of the subject matter.

Meeting Expectations (500-529)
A student who performed at this level met grade-level expectations and is academically on track to succeed in the current grade in this subject.

Partially Meeting Expectations (470-499)
A student who performed at this level partially met grade-level expectations in this subject.

Not Meeting Expectations (440-469)
A student who performed at this level did not meet grade-level expectations in this subject.

Each student receives a Scaled Score, a Performance Level, and a Growth Percentile for each subject (no Growth for Science)

Student Growth Percentile

A student's performance is compared to other students statewide with a similar test score history ("academic peers")

- The difference is expressed as a percentile between 1 and 99.

How much did John improve in mathematics from 5th grade to 6th grade, relative to his academic peers?

- If John improved more than 65 percent of his academic peers, then his <u>student growth percentile</u> would be 65
- Doesn't mean he "grew 65 percent"

For a group, we look at the average Student Growth Percentile.

2019 MCAS Performance and Growth

	ELA %ME+EE	ELA Growth	Math %ME+EE	Math Growth	Science %ME+EE
DHS	73%	57.6	60%	47.1	64%
CMS	73%	46.8	63%	49.4	57%
CHS	90%	48.2	88%	55.3	96%*

Legacy Test - A+P

How did our 2019 Next-Gen MCAS results compare to neighbors?

DISTRICT	ELA %EE+ME	Math %EE+ME	Sci %EE+ME	ELA GROWTH	MATH GROWTH
STATE	52%	49%	48%	49.9	49.9
Cohasset	73%	61%	60%	51.4	48.5
Duxbury	71%	65%	62%	52.1	45.6
Hanover	62%	62%	68%	50.4	54.5
Hingham	83%	74%	78%	60.8	49.9
Hull	55%	54%	51%	47.9	49.7
Marshfield	73%	71%	62%	56.4	57.3
Norwell	74%	71%	71%	56.3	59.0
Pembroke	59%	62%	56%	48.8	57.4
Plymouth	54%	46%	47%	50.3	53.3
Scituate	71%	67%	67%	48.1	49.0

State Accountability System: What is it?

An **accountability system** is the set of policies and practices that a **state** uses to measure and hold schools and districts responsible for raising student achievement for all students, and to prompt and support improvement where necessary.

New accountability system started in 2017 due to new federal requirements under ESSA.

# "New" State Accountability System Refresher

- New indicators ("what counts?")
- Targets for 2019 based on 2018
- No more AYP, PPI and Levels
- "Lowest Performing" students subgroup
- "Compare to self" and "compare to others" measures

New Accountability Indicators & Weighting

Indicator	Measures	DHS/CMS	CHS	District
Achievement	• ELA achievement • Math achievement • Science achievement	67.5%	47.5%	47.5%
Student Growth	• ELA growth • Math growth	22.5%	22.5%	22.5%
High School Completion	• Four-year cohort graduation rate • Extended engagement rate • Annual dropout rate		20%	20%
English Language Proficiency	• Progress made by students towards attaining English language proficiency			
Additional Indicators	• Chronic absenteeism • Percentage of students completing advanced coursework	10%	10%	10%

Accountability **Targets** – *compare to self*

- Indicator targets set for each school by DESE

  All Students group

  Lowest Performing Students group

- Points awarded based on how indicator data compares to indicator targets

- Points are used to determine **progress toward improvement targets**
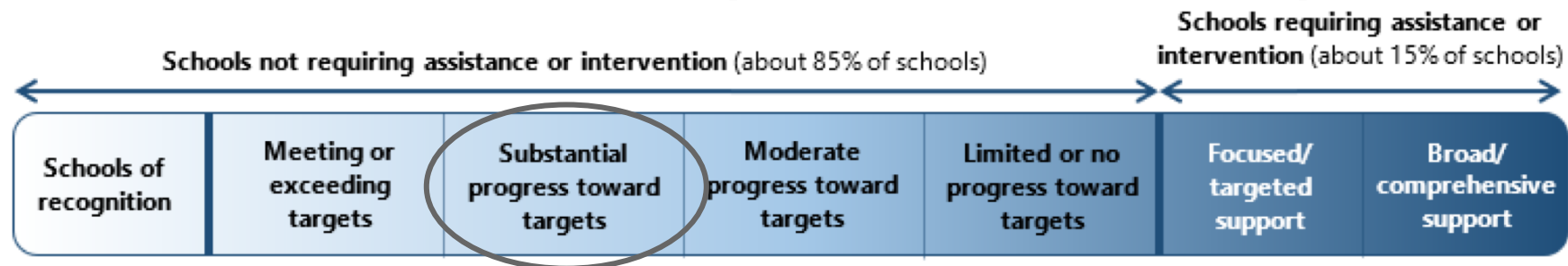
Accountability **Percentiles** – *compare to others*

- Indicator values get ranked and combined to determine **accountability percentile**

- Only schools get percentiles (not districts)

- Both Percentile and Target information are used to determine an overall classification
  - Classification of all CPS schools = "**Not requiring assistance or intervention**"

2019 Accountability: Levels and Percentiles

	Progress Toward Improvement Targets	Overall Percentile	ELA Percentile	Math Percentile	Science Percentile
CPS	Substantial Progress				
DHS	Substantial Progress	79	83	63	72
CMS	Substantial Progress	88	79	72	60
CHS	Substantial Progress		93	83	

DHS overall percentile is as compared to all other non-high schools statewide

CHS/CMS overall percentile is as compared to all other combination schools (schools that have both high school and non-high school grades)

This will change for 2020 given the CMS/CHS reconfiguration.

Grade 3 ELA
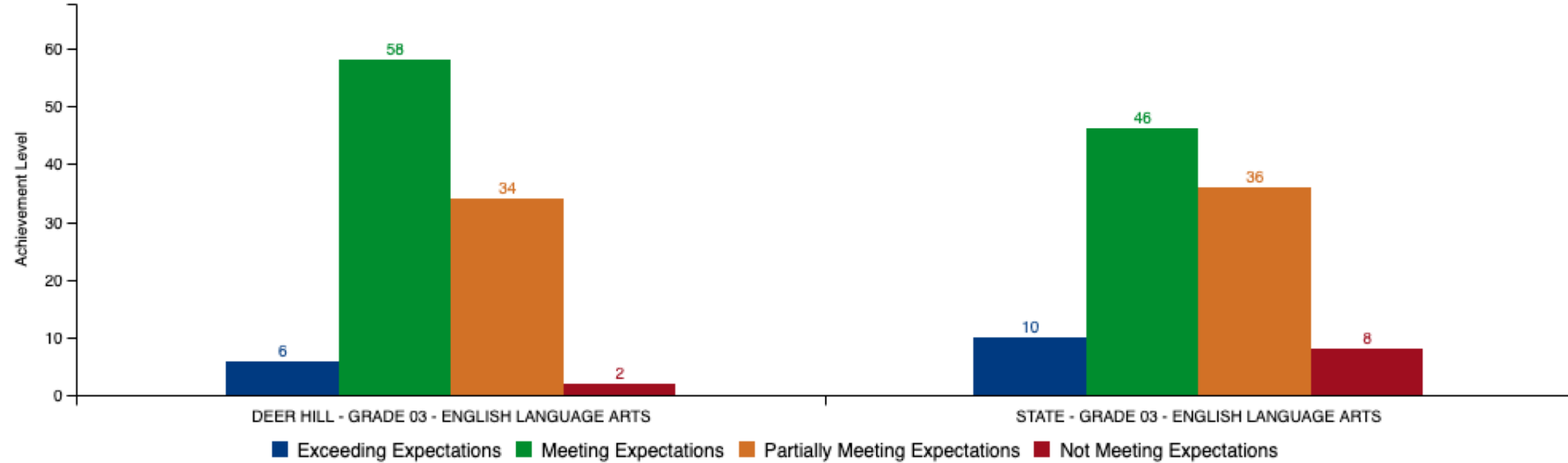
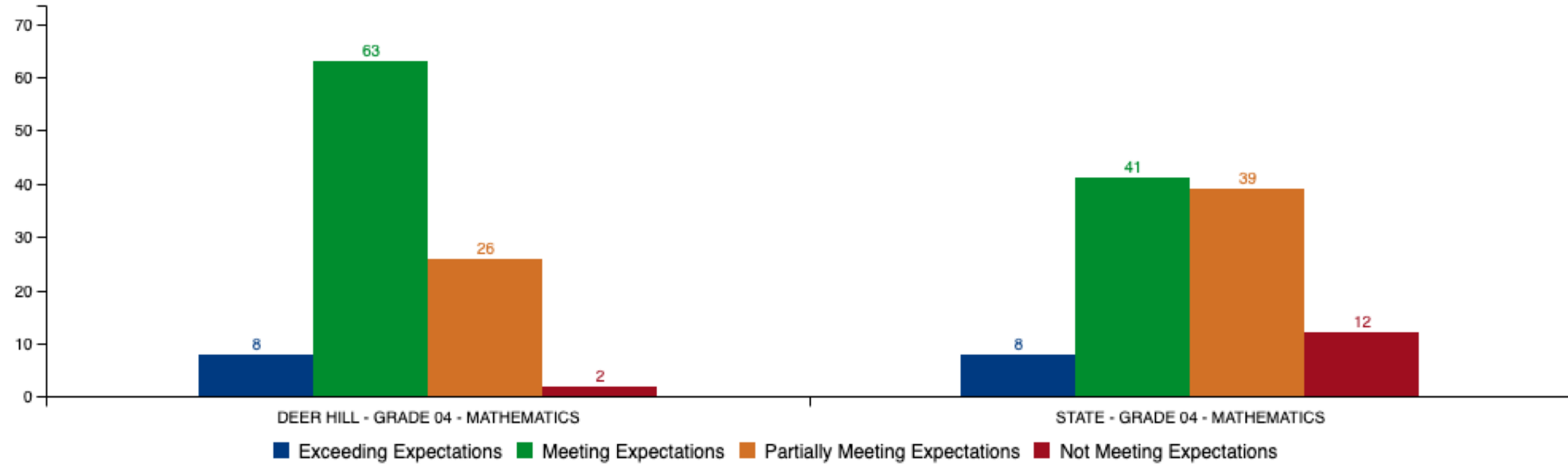| CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
64%	57%	507.3	N/A

Grade 3 Math
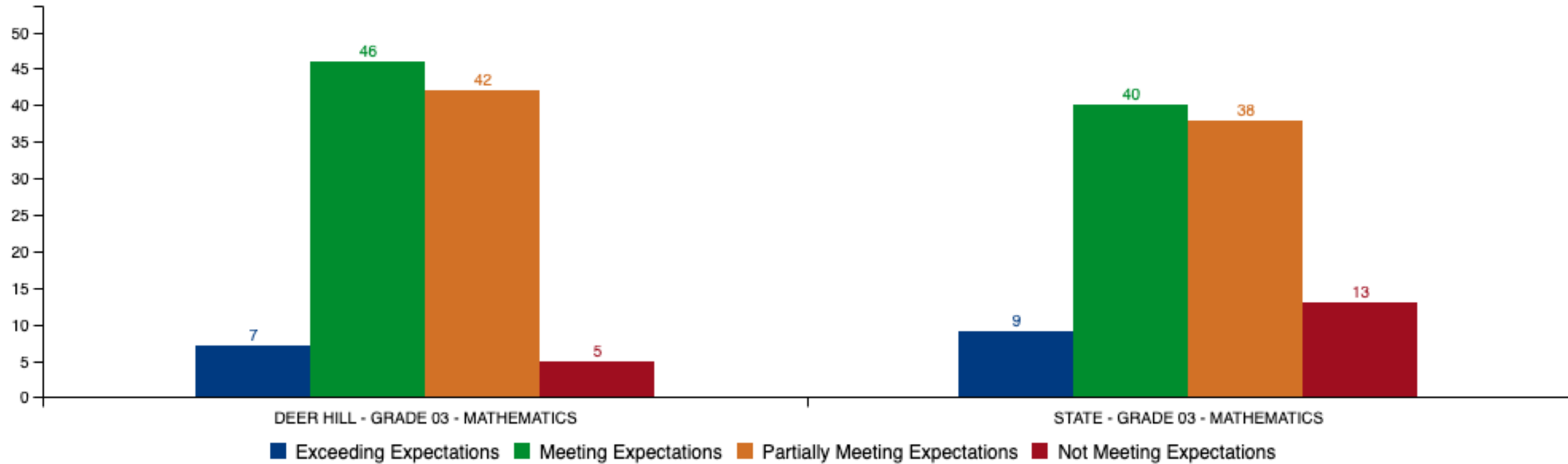
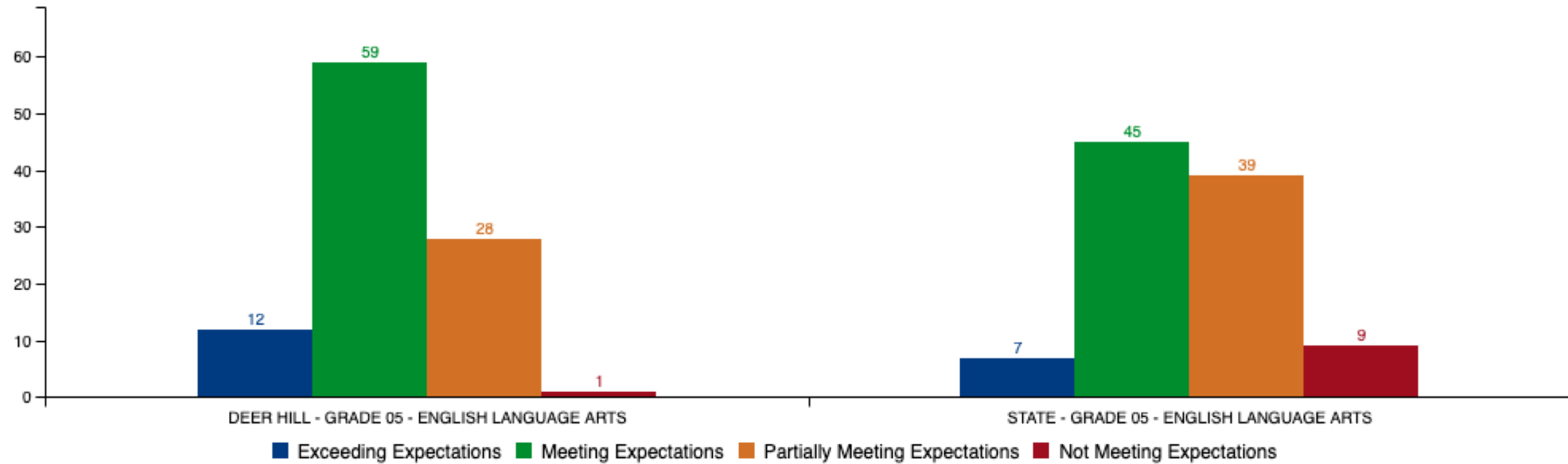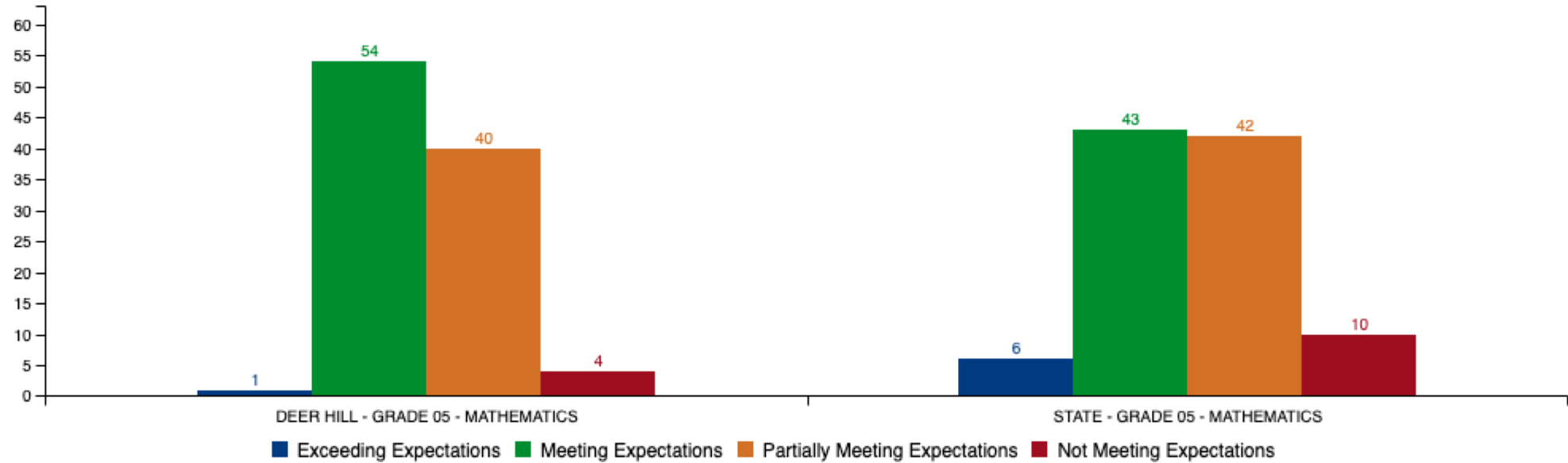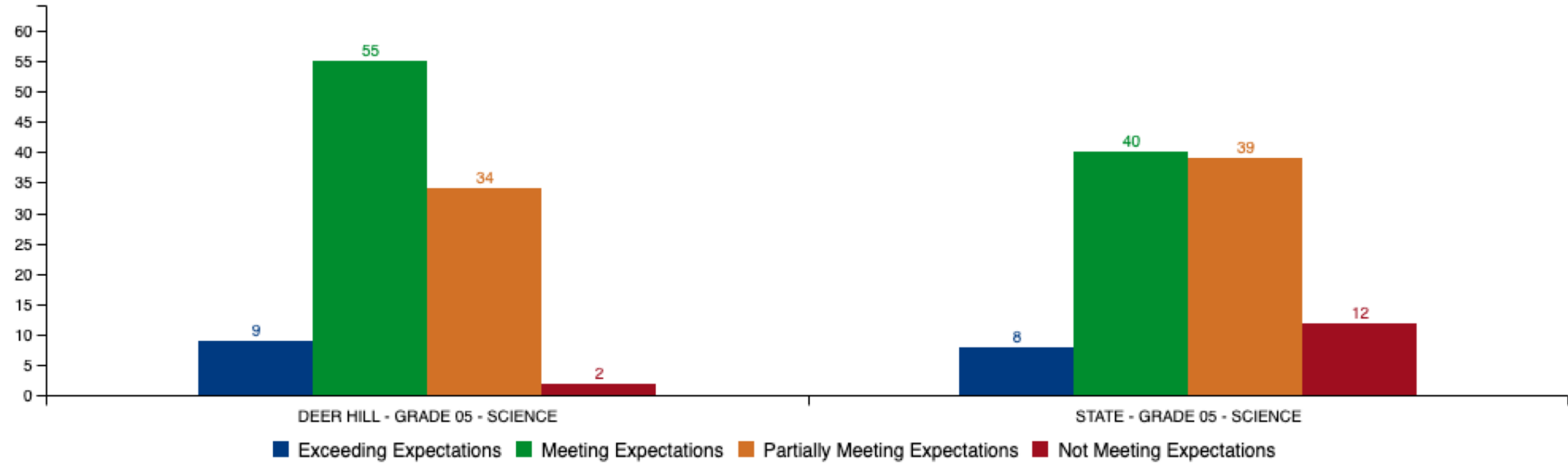| CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
53%	49%	501.7	N/A

Grade 4 ELA
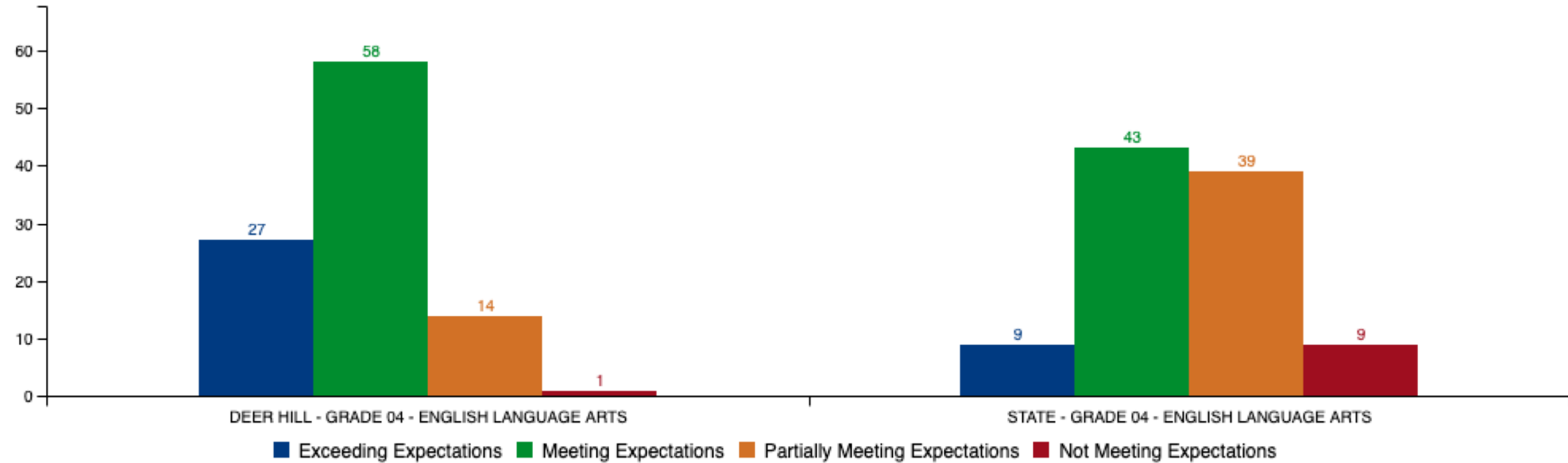
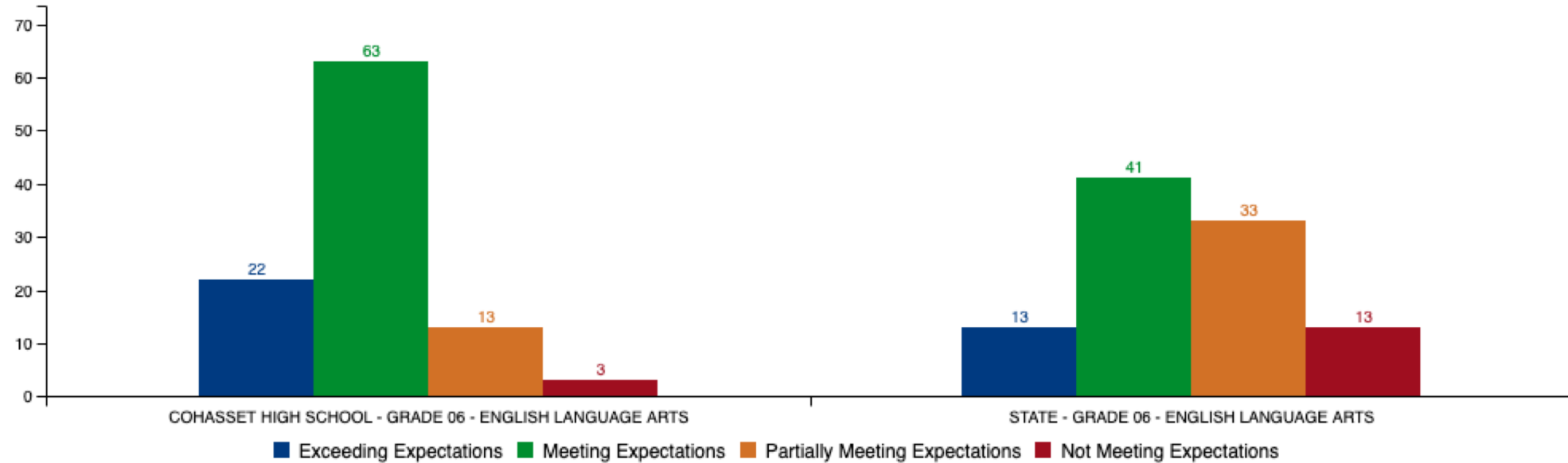| CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
85%	52%	517.2	64.5

Grade 4 Math

CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
71%	50%	508.0	52.5

Grade 5 ELA

CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
71%	52%	510.2	51.7

Grade 5 Math

CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
56%	48%	499.7	42.3

Grade 5 Science

CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
64%	49%	505.8	N/A

Grade 6 ELA

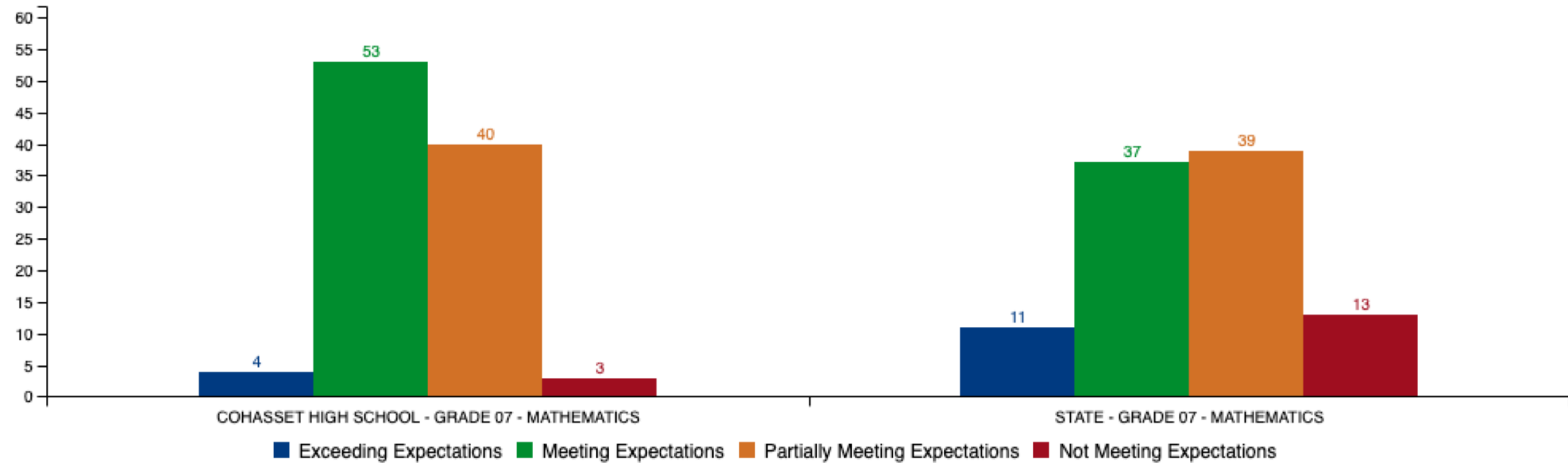| CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
85%	53%	517.9	52.9

Grade 6 Math
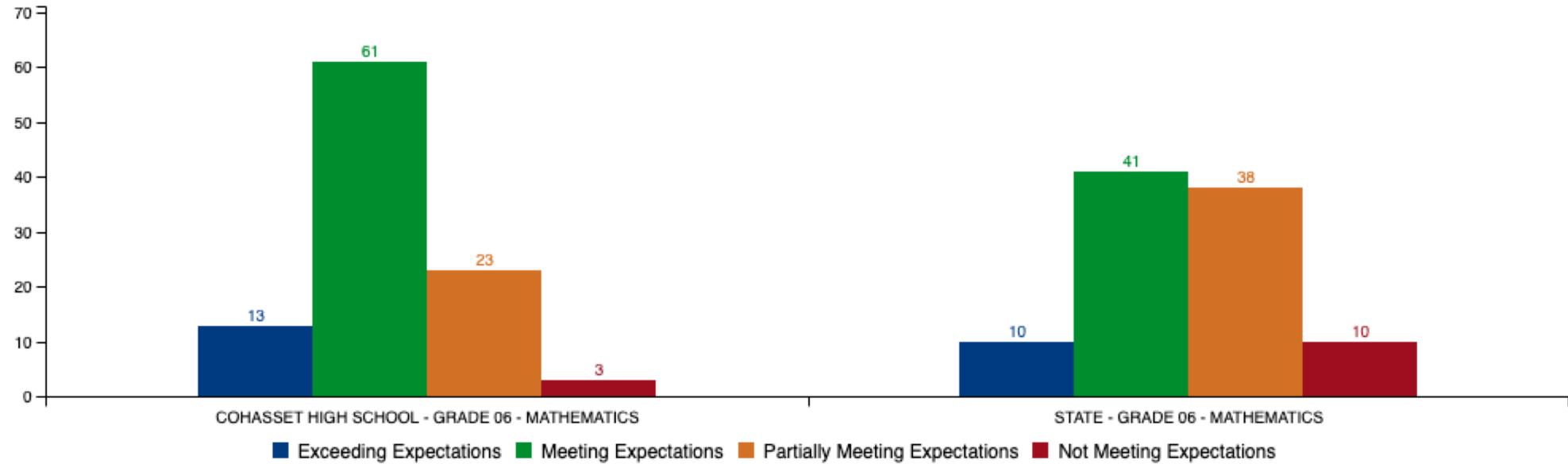
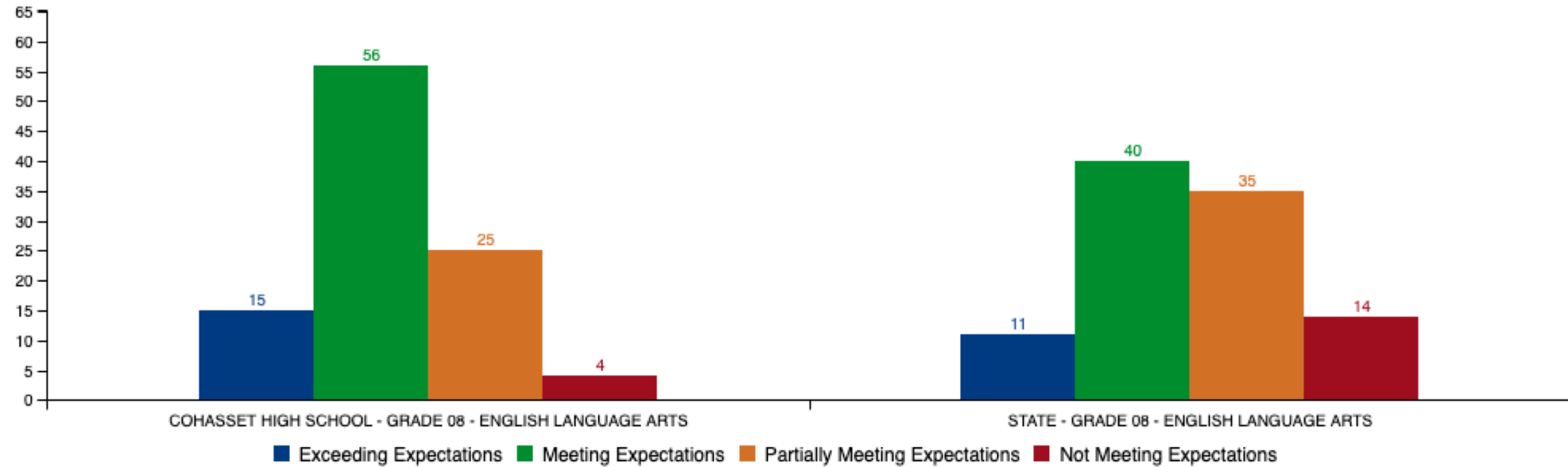| CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
75%	52%	511.4	56.4

Grade 7 ELA
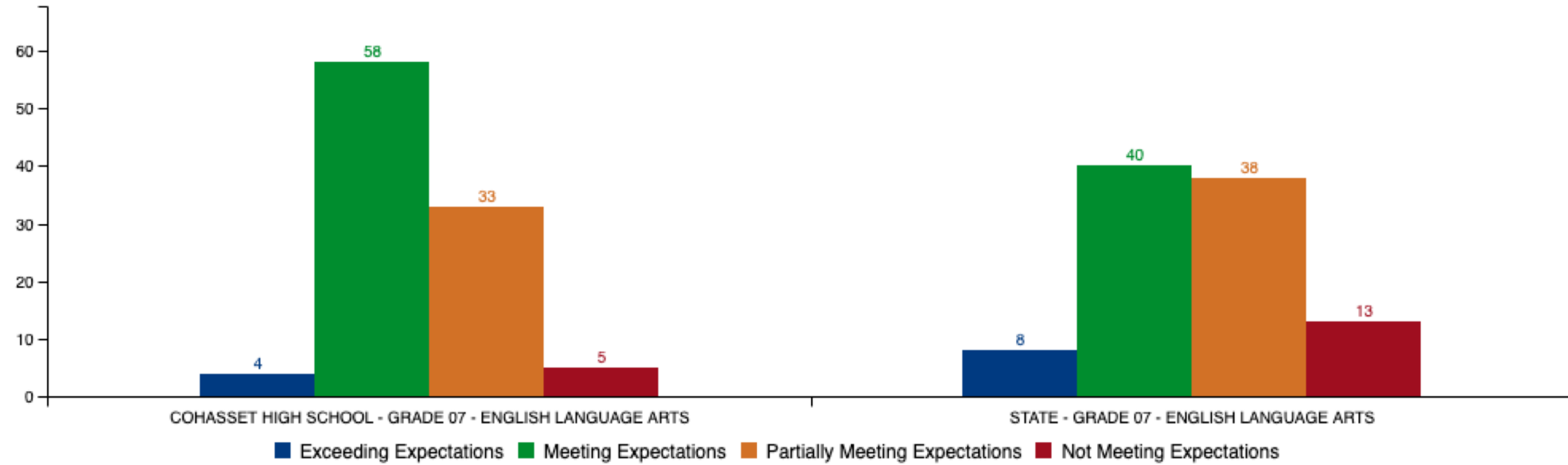
CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
62%	48%	504.1	37.8

Grade 7 Math

CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
57%	48%	501.2	41.9

Grade 8 ELA

CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
71%	52%	507.7	48.1

Grade 8 Math
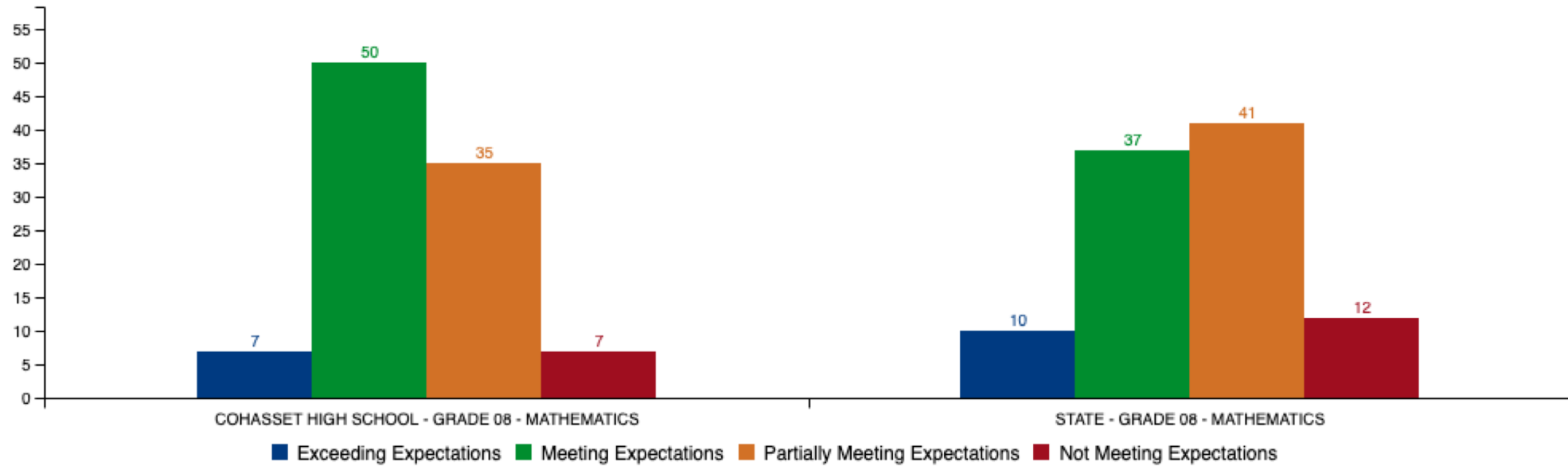
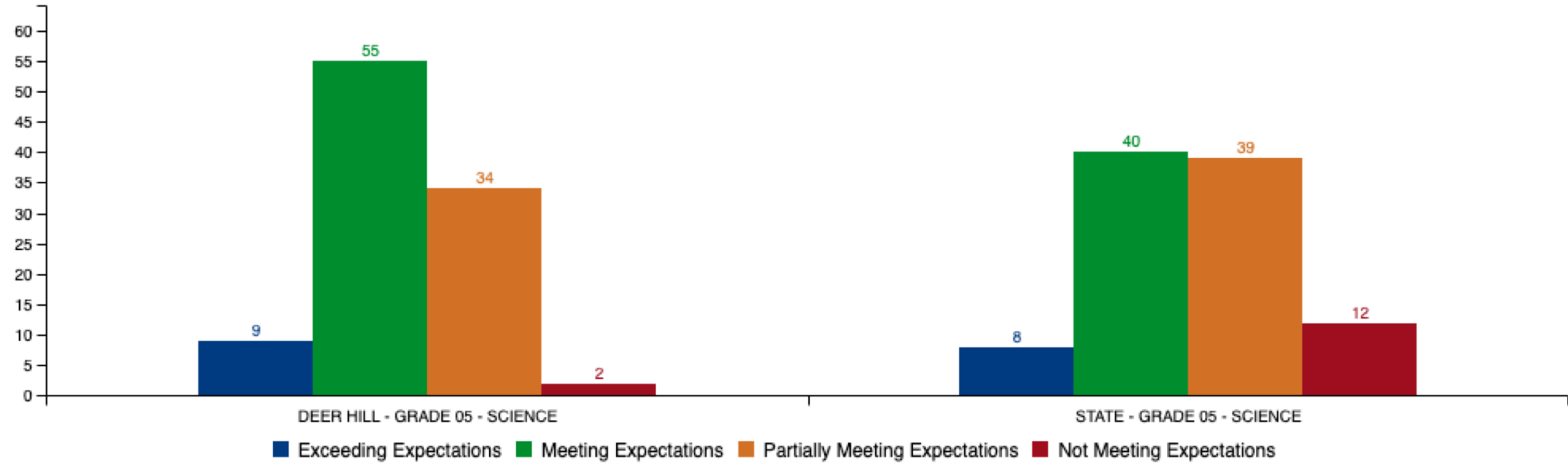| CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
58%	46%	503.3	48.7

Grade 8 Science

CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
57%	46%	502.6	N/A

Grade 10 ELA
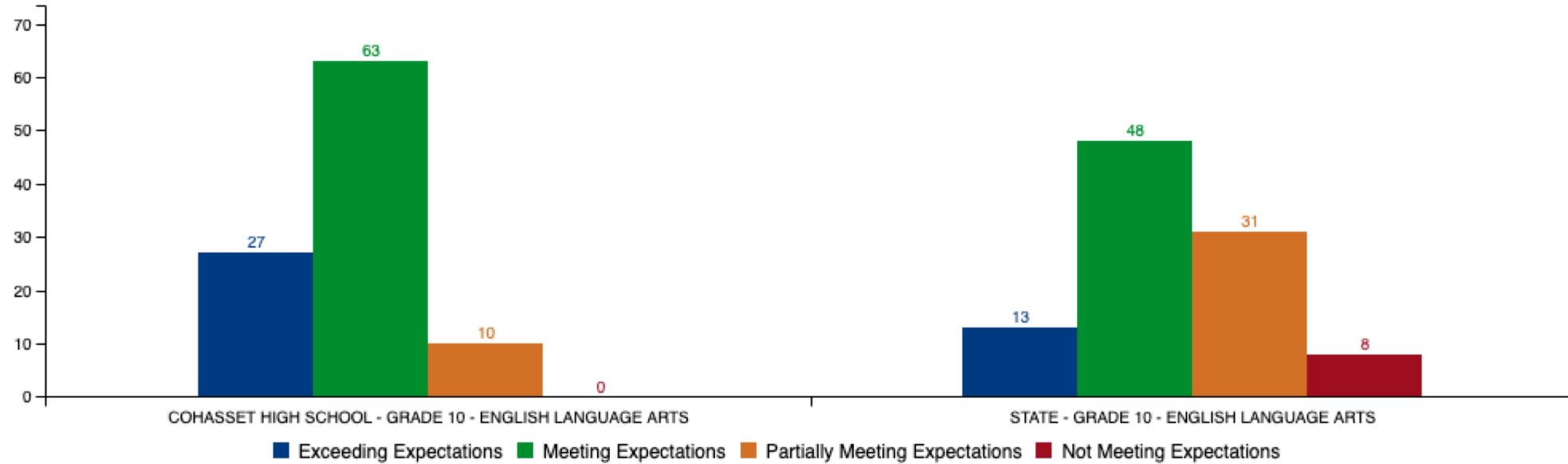
CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
90%	61%	521.0	48.2

Grade 10 Math
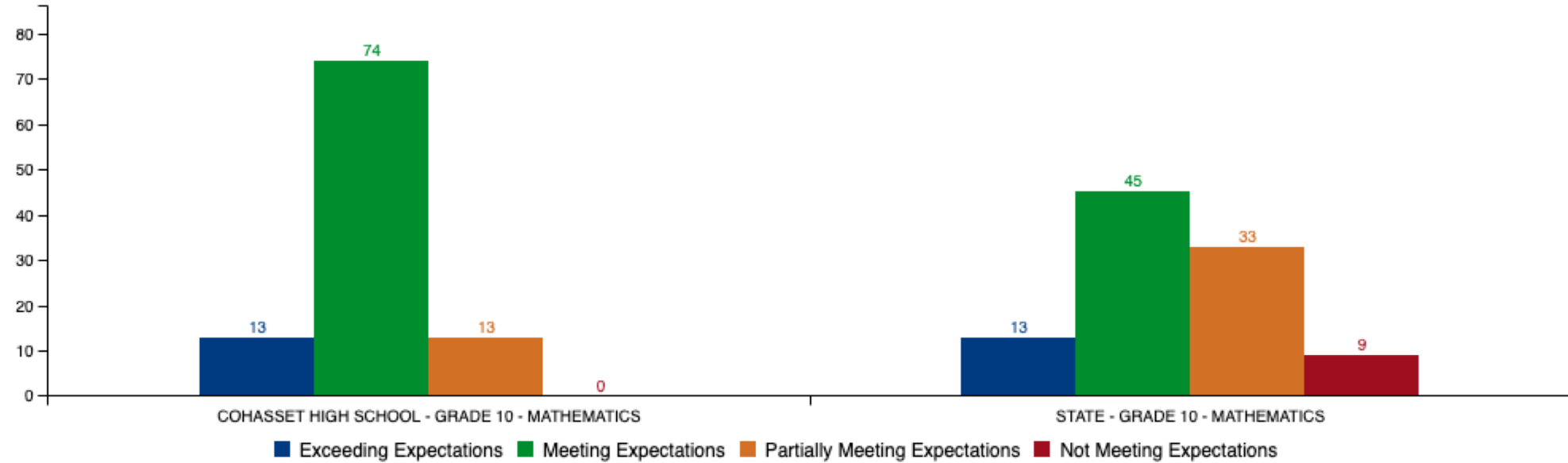
CPS Percent Meeting + Exceeding	State Percent Meeting + Exceeding	Average Scaled Score	Student Growth Percentile
88%	59%	515.7	55.3

Grade 10 Science
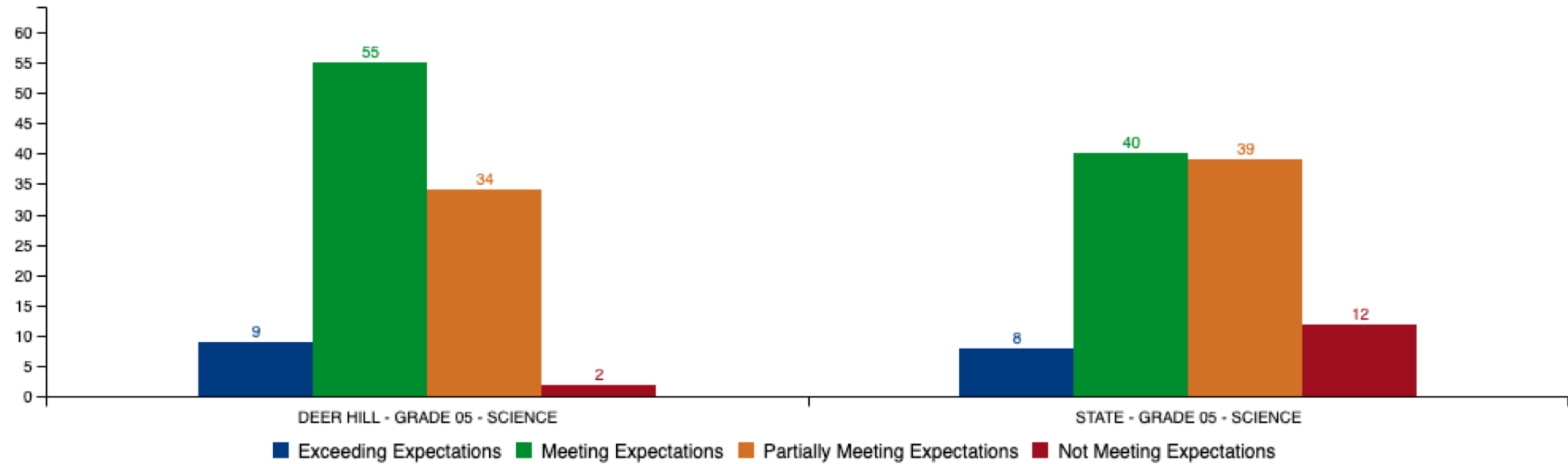
CPS Proficient or Higher	State Proficient or Higher	Average Scaled Score	Student Growth Percentile
96%	74%		N/A

What are we doing with the results?

- Working with Consultant, Laura Tilton
- Analysis of results is taking place at all levels
- Creation of data teams
- Teacher MCAS dashboards at the elementary level
- Item analysis within grade/subject
- Use of more than just MCAS data
- Inform classroom instruction
- Adjust curriculum and align curriculum Prk-12
- Opportunities for reflection
- Targeted support programs

Evidence = Data + Context

Resources/more information

DESE School and District Profiles: http://profiles.doe.mass.edu/

For parents

www.doe.mass.edu/mcas/parents

- Parent Guide to the MCAS (available in several languages
- Annotated Parent/Guardian Reports
- Frequently Asked Questions (FAQs)
- Parent/guardian report templates and translations

For educators

http://www.doe.mass.edu/mcas/

- Links to Released Items, Answer Keys, and Item Descriptions, Student Work Examples
- Information about the Next-Generation Achievement Levels
- Information about Accessibility and Accommodations