



State Testing Update

Report to School Committee
November 29, 2023

Why test all students?

- MCAS tests students' **mastery of grade level standards**.
- Designed to send a **clearer signal of readiness** for the next grade level or college and career
- MCAS is one important way we **"check" on the overall health of the school system**.



More Data, Better Outcomes

- A test score is a snapshot
- MCAS gives us the annual "school picture"



A Recent History of MCAS

- MCAS was cancelled in 2020, resuming in 2021 in abbreviated form.
- In 2022 & 2023 students at all levels took the full version of the Next Generation MCAS test.
- 2023 Test results are best compared to 2022 or 2019.



Achievement & Growth Scores

Achievement scores determine a **student's proficiency** relative to the state **standards** for that grade level.

Growth measures how **an individual student's test score compares** to the scores of all the students in the state who had the same scores in that subject the previous year



Growth Score Reminders

Growth is distinct from achievement

- *A student can achieve at a low level but demonstrate high growth, or achieve at a high level but demonstrate low growth*

Students are compared only to their statewide academic peers, not to all students statewide

- *All students can potentially grow at the 1st or 99th percentile*



Science and Technology/Engineering

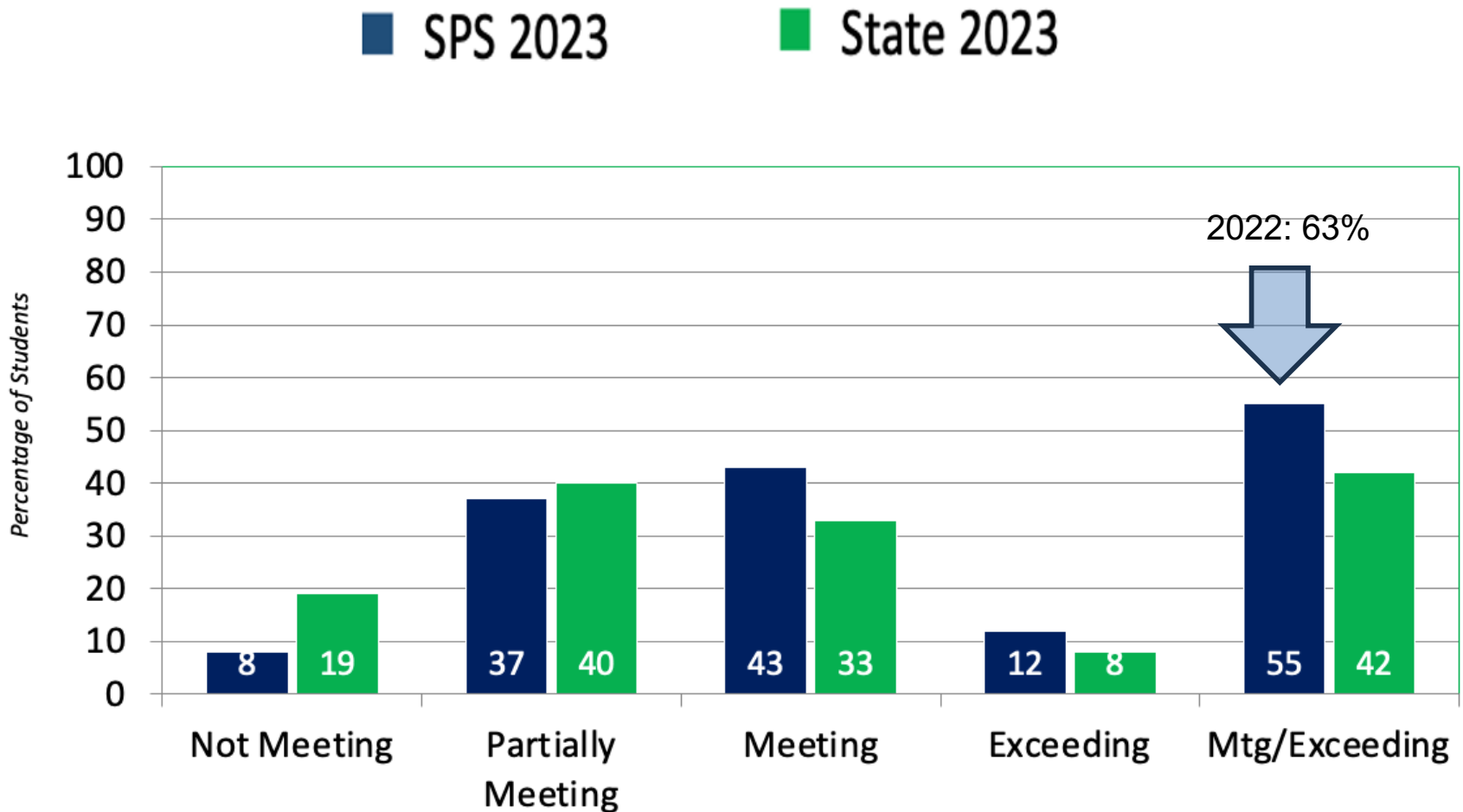


How well are fifth grade students achieving in Science?

Shrewsbury Public Schools

Grade 5 Science & Technology

2023 **Next Gen** MCAS Test Results

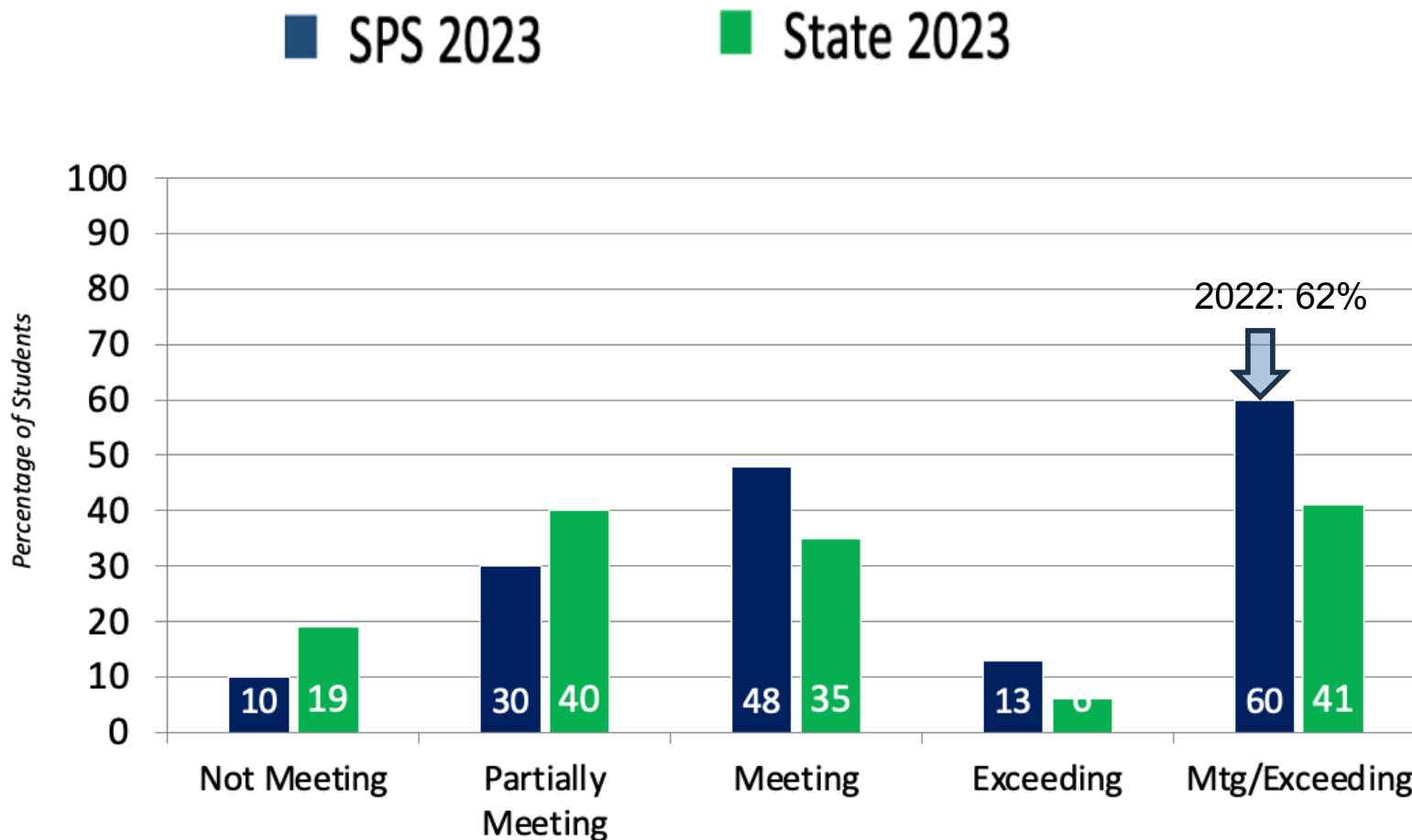


How well are fifth grade students achieving in Science?

Shrewsbury Public Schools

Grade 8 Science & Technology

2023 **Next Gen** MCAS Test Results

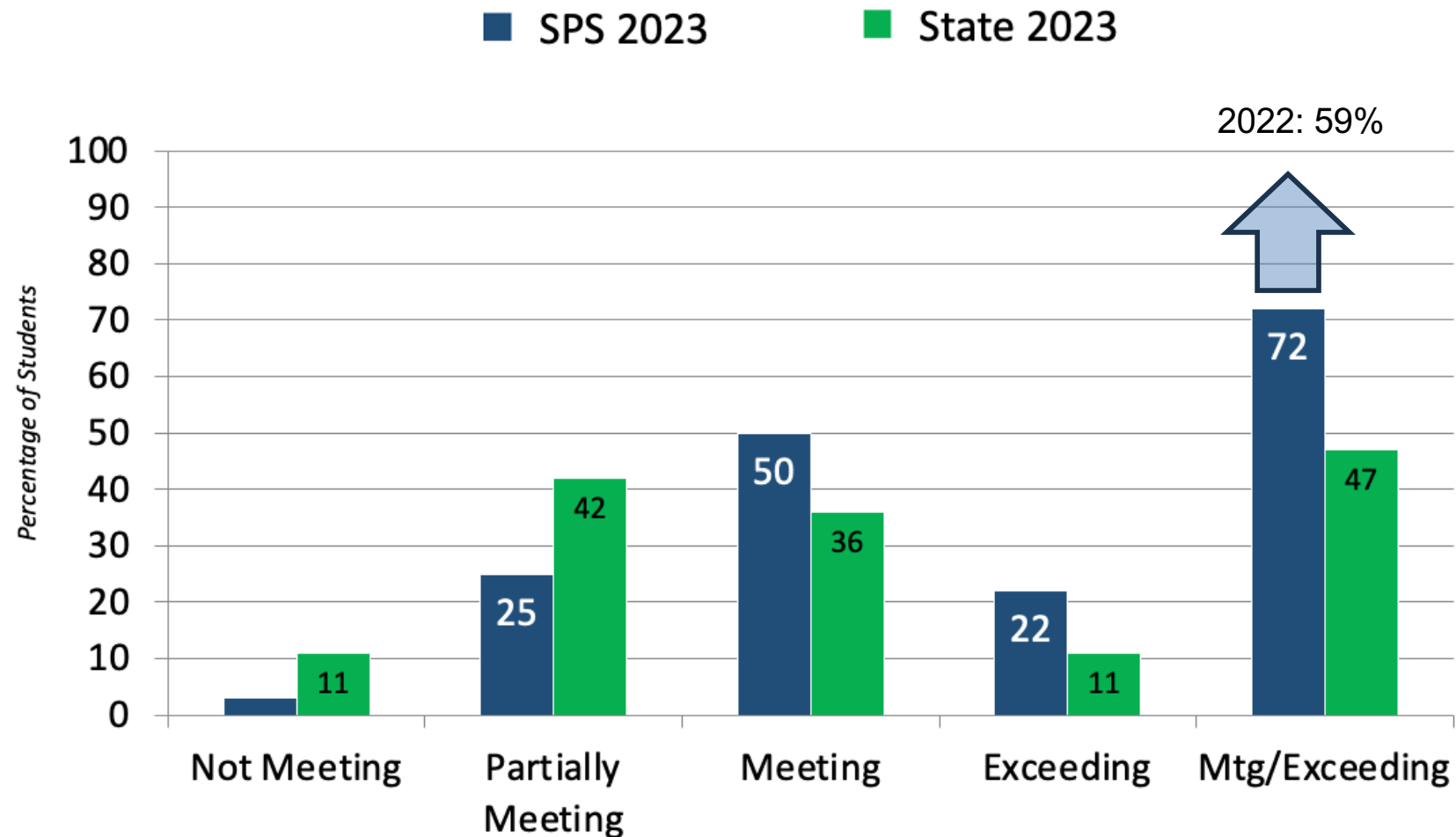


How well are SHS students achieving in Science?

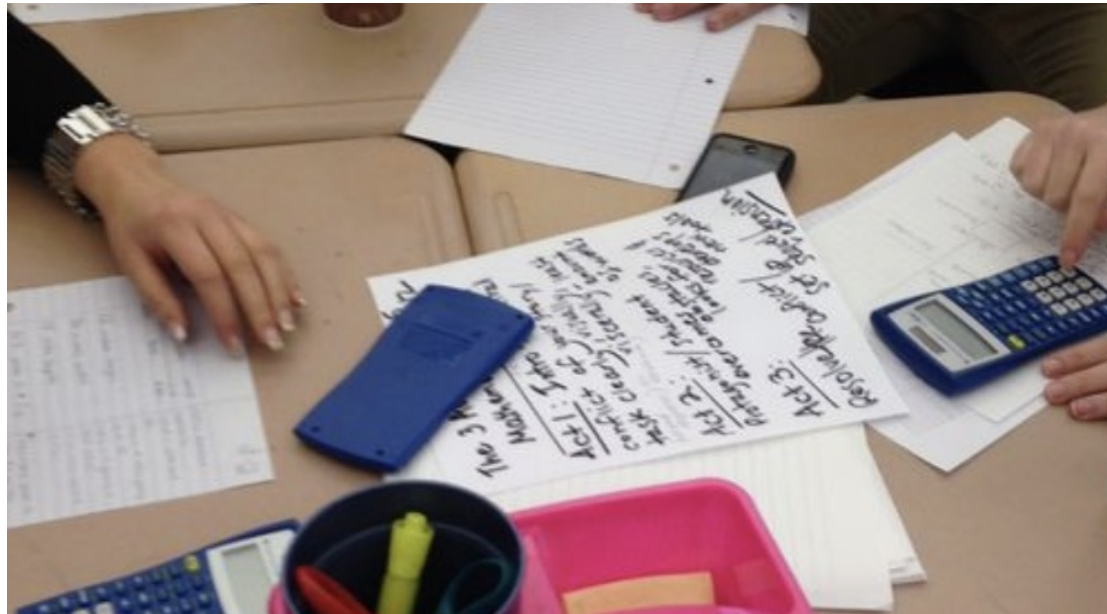
Shrewsbury Public Schools

Grade 10 Science & Technology

2023 **Next Gen** MCAS Test Results



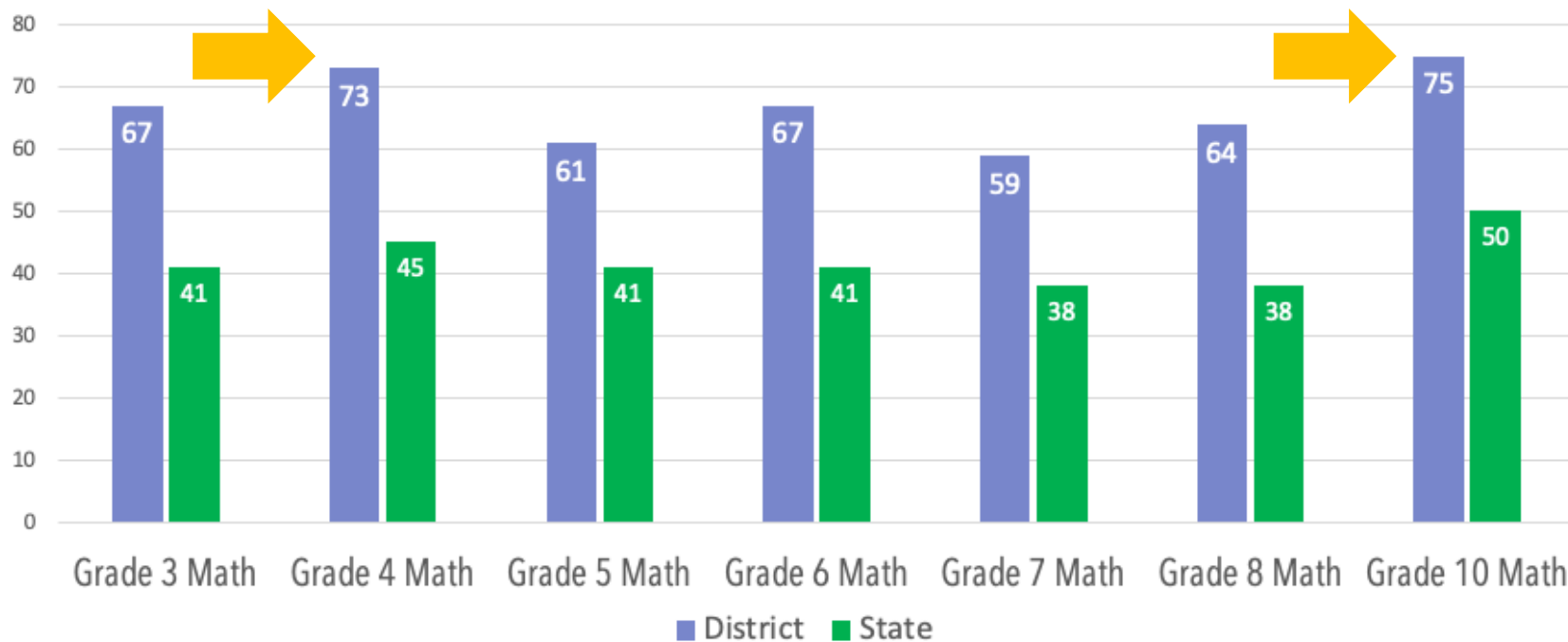
Mathematics



SPS vs State :

An Overview of Math Achievement

% Proficient By Grade

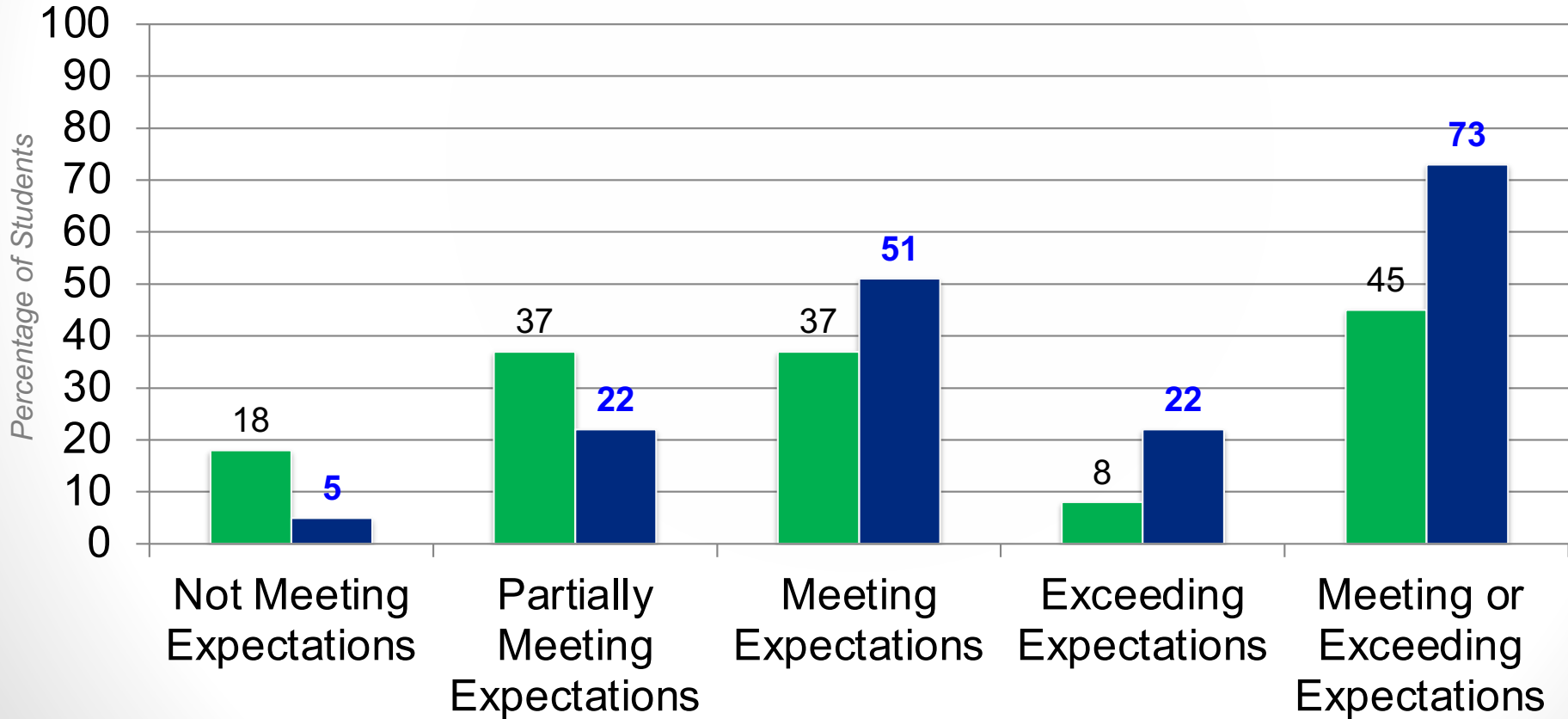


Grade 4 Mathematics

Next-Generation MCAS

ACHIEVEMENT Results

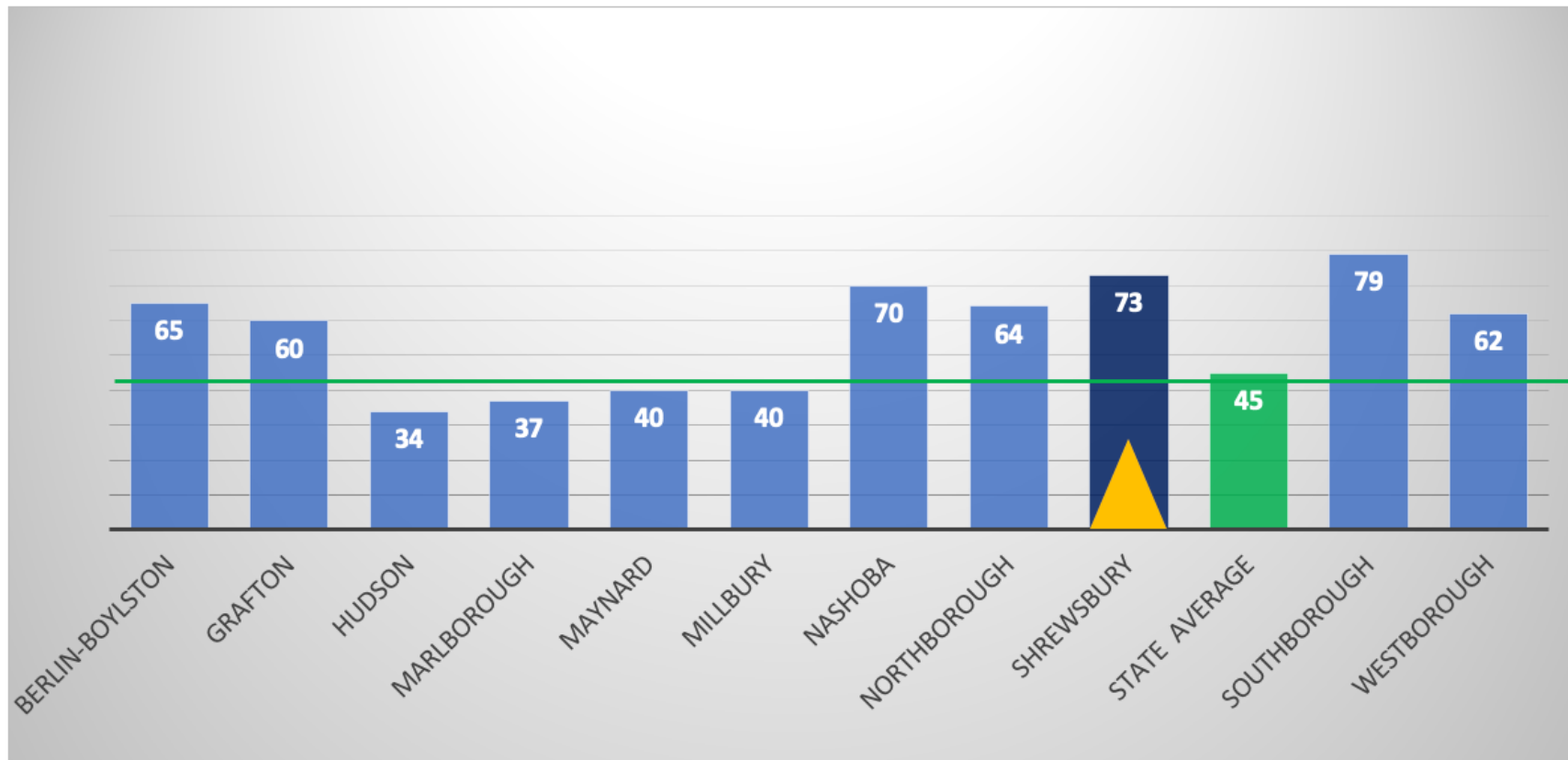
■ State 2023 ■ SPS 2023



Percentage of Students Meeting or Exceeding Expectations

Next-Gen MCAS Math / Grade 4

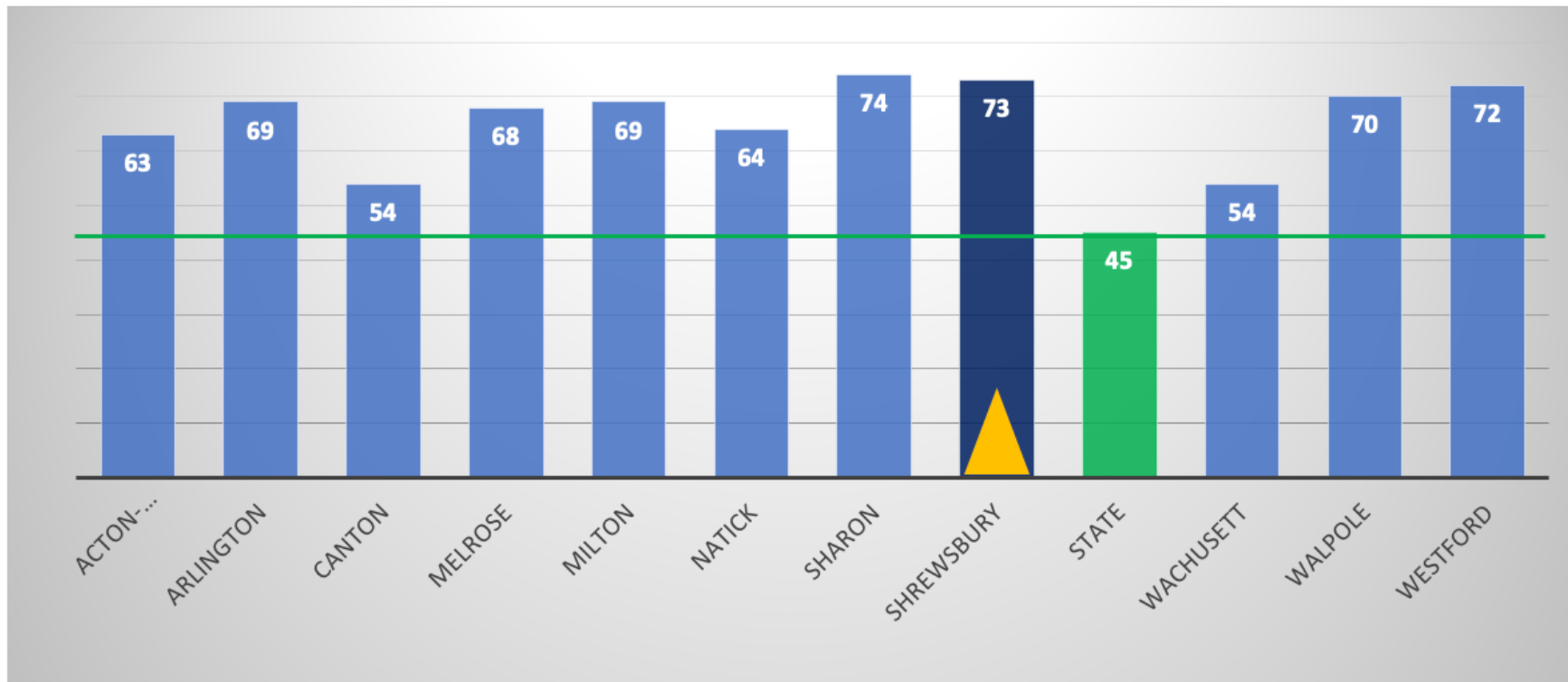
Assabet Valley Collaborative District Comparisons



Percentage of students Meeting or Exceeding Expectations

Next-Gen MCAS Math / Grade 4

DART District Comparisons

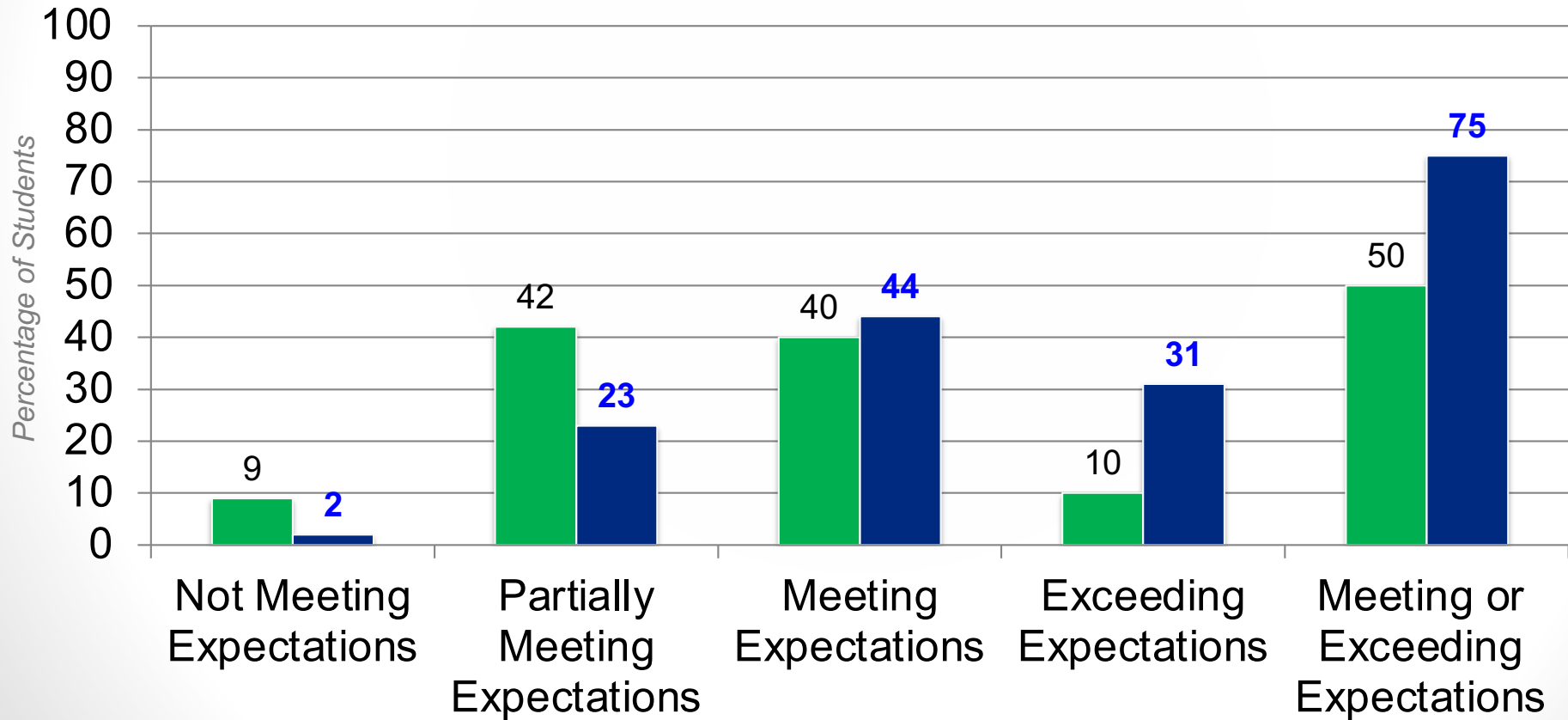


Grade 10 Mathematics

Next-Generation MCAS

ACHIEVEMENT Results

■ State 2023 ■ SPS 2023

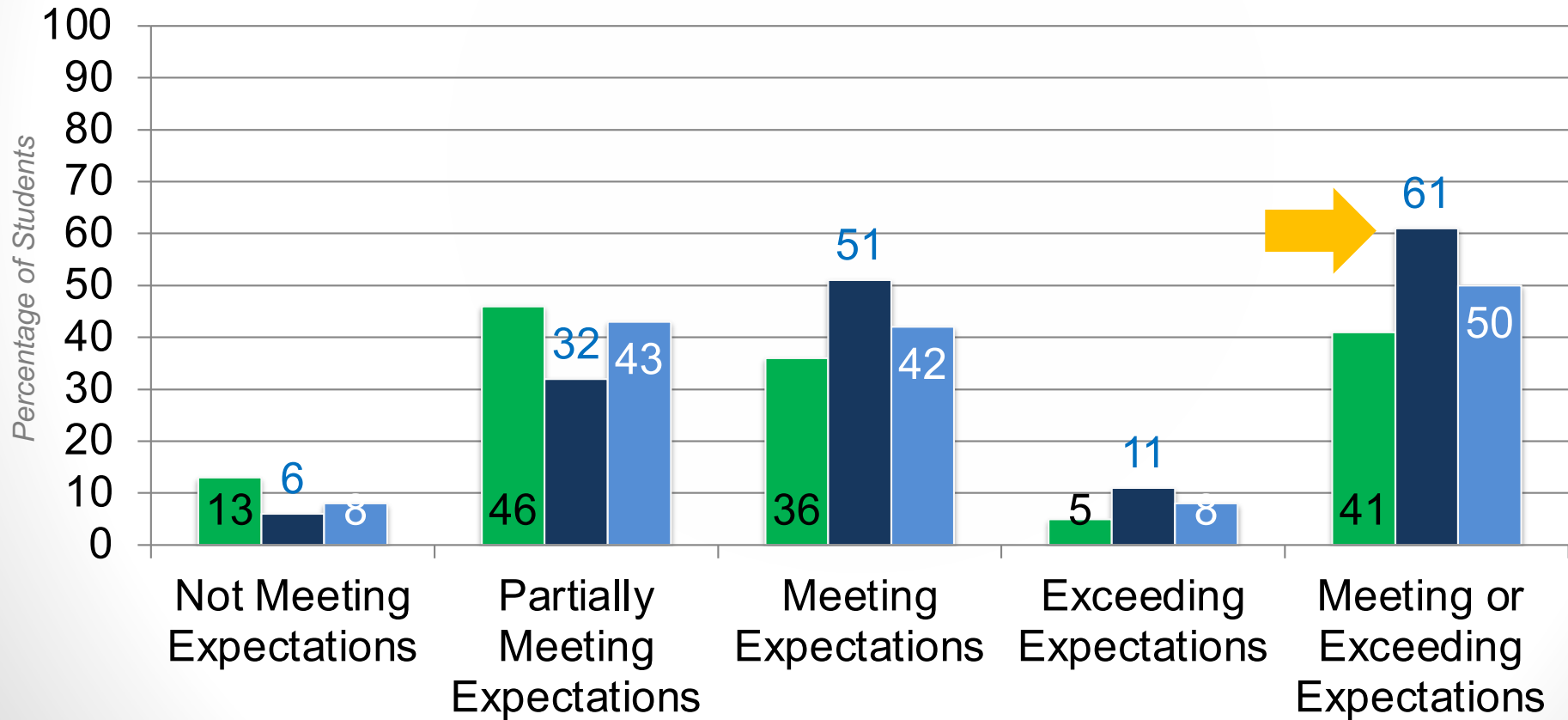


Grade 5 Mathematics

Next-Generation MCAS

ACHIEVEMENT Results

■ State 2023 ■ SPS 2023 ■ SPS 2022

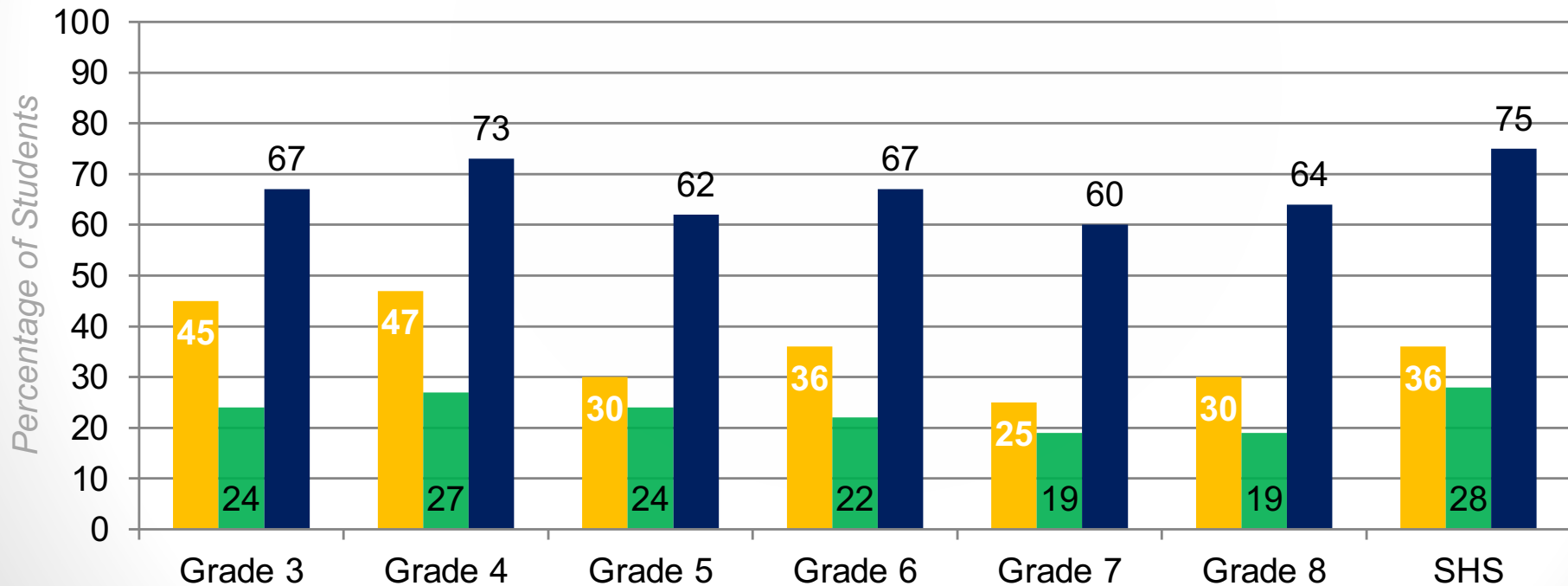


Mathematics

High Needs Subgroup ACHIEVEMENT by Grade Level

2023 Percentage of Students Meeting or Exceeding Expectations

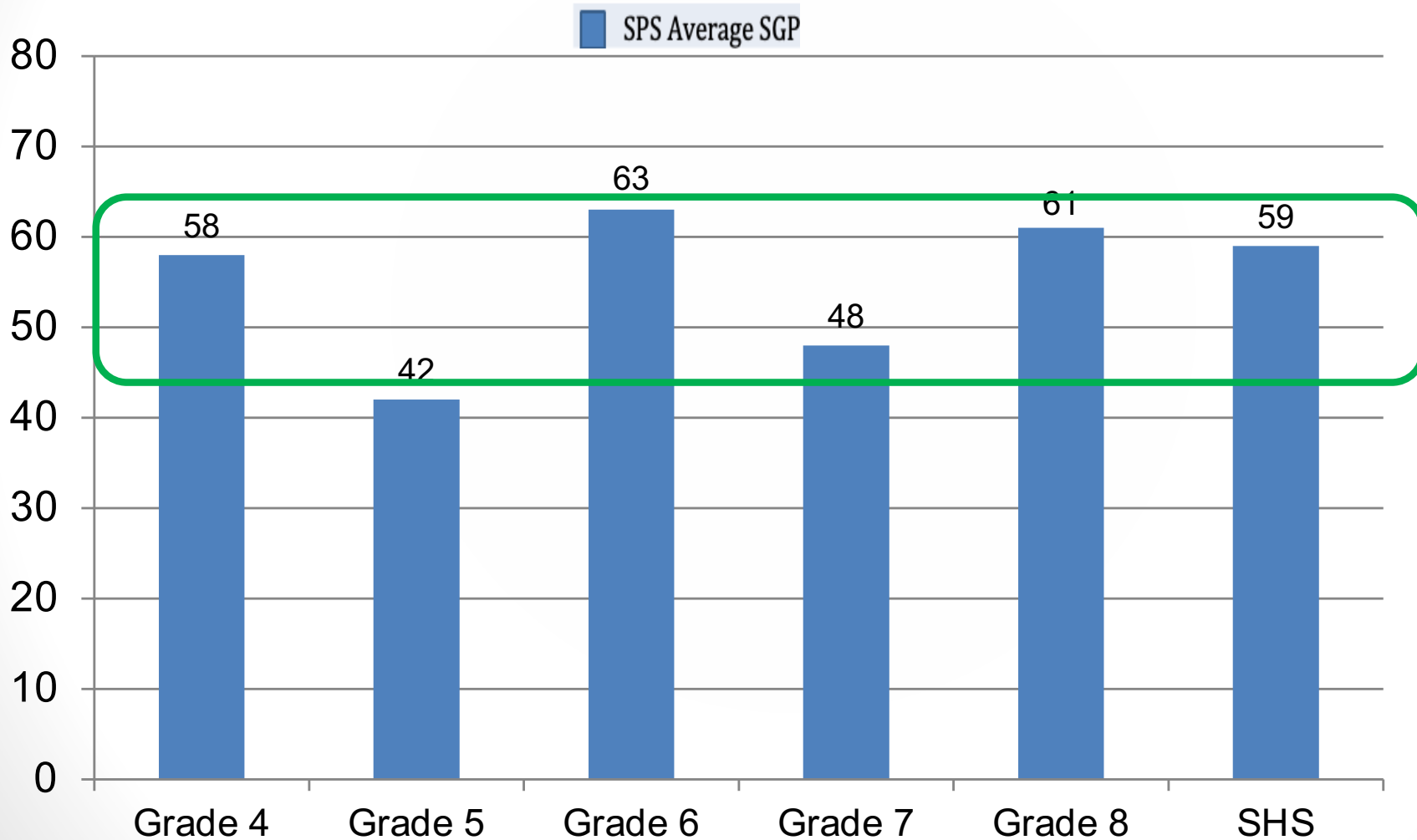
- SPS High Needs Subgroup
- State High Needs



Mathematics

2023 Student Growth Percentiles (SGP)

The state defines moderate (or expected) growth to be between the 40-60 percentile, with low growth as below the 40th percentile and high growth as above the 60th percentile.



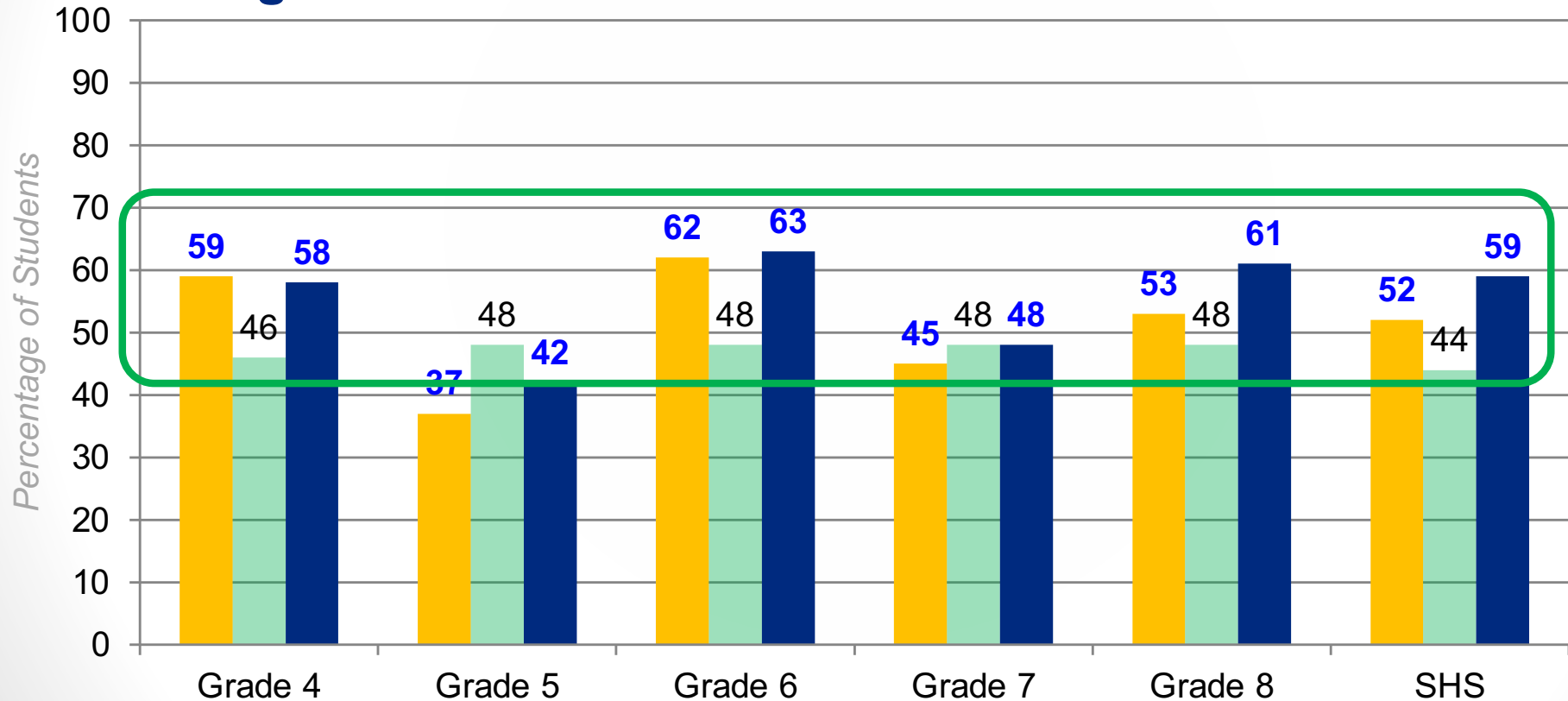
Mathematics

High Needs Subgroup by Grade Level *2023 Student Growth Percentiles (SGP)*

■ SPS High Needs Subgroup

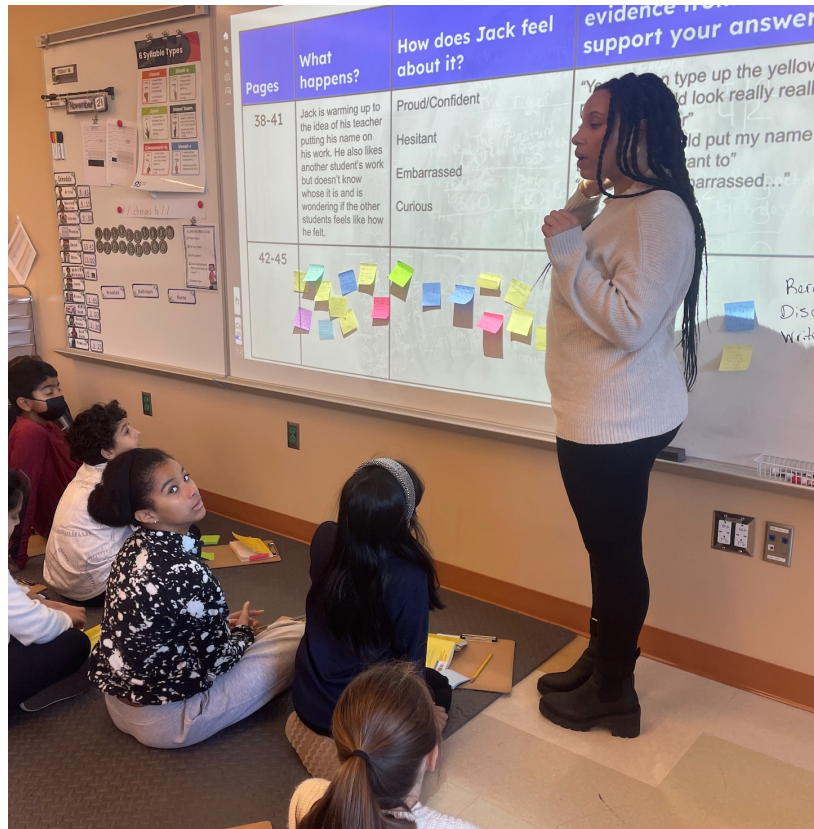
■ State High Needs

■ SPS Avg SGP



In order to close achievement opportunity gaps, students need to grow at the high end of the range. Our highest rates of growth for students in the High Needs subgroup can be seen in Grades 4 and 6.

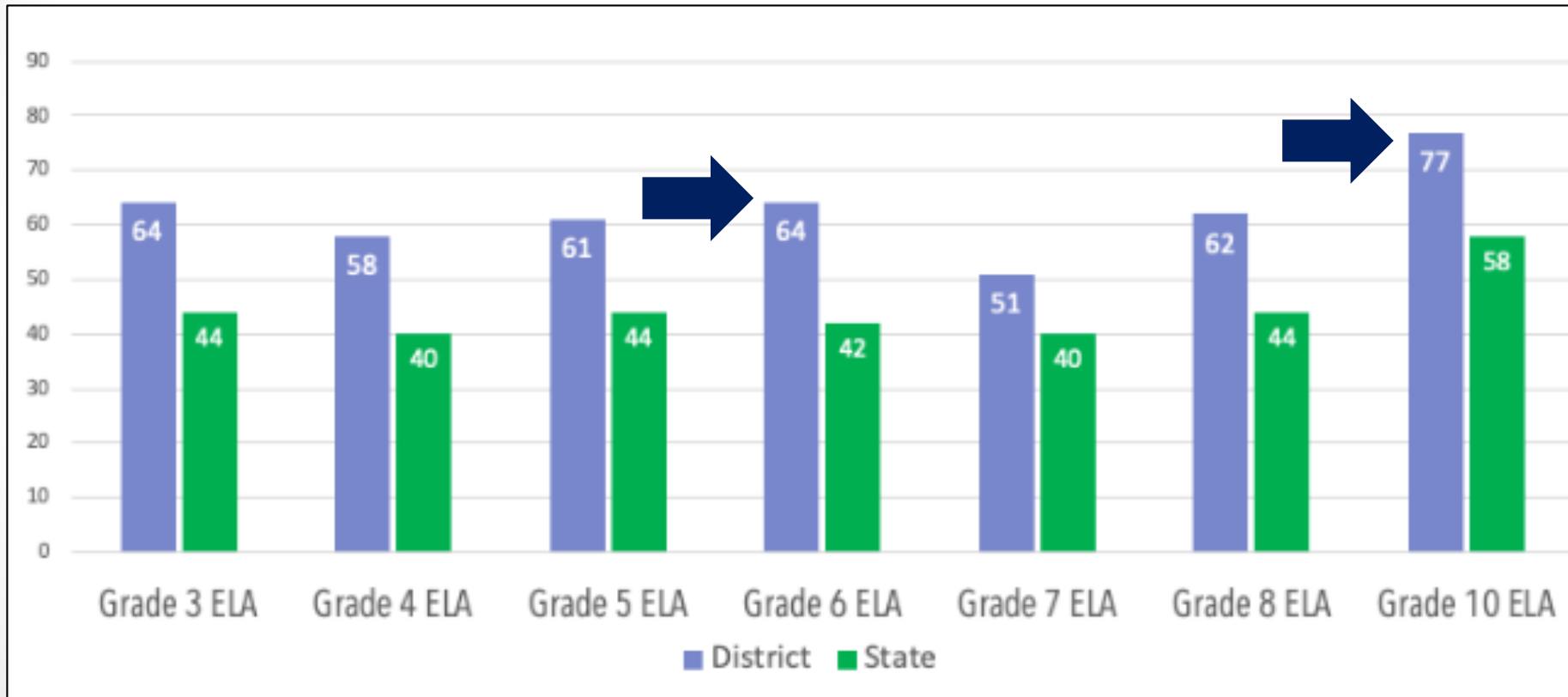
English Language Arts



SPS vs State :

An Overview of Achievement in ELA

% Proficient By Grade

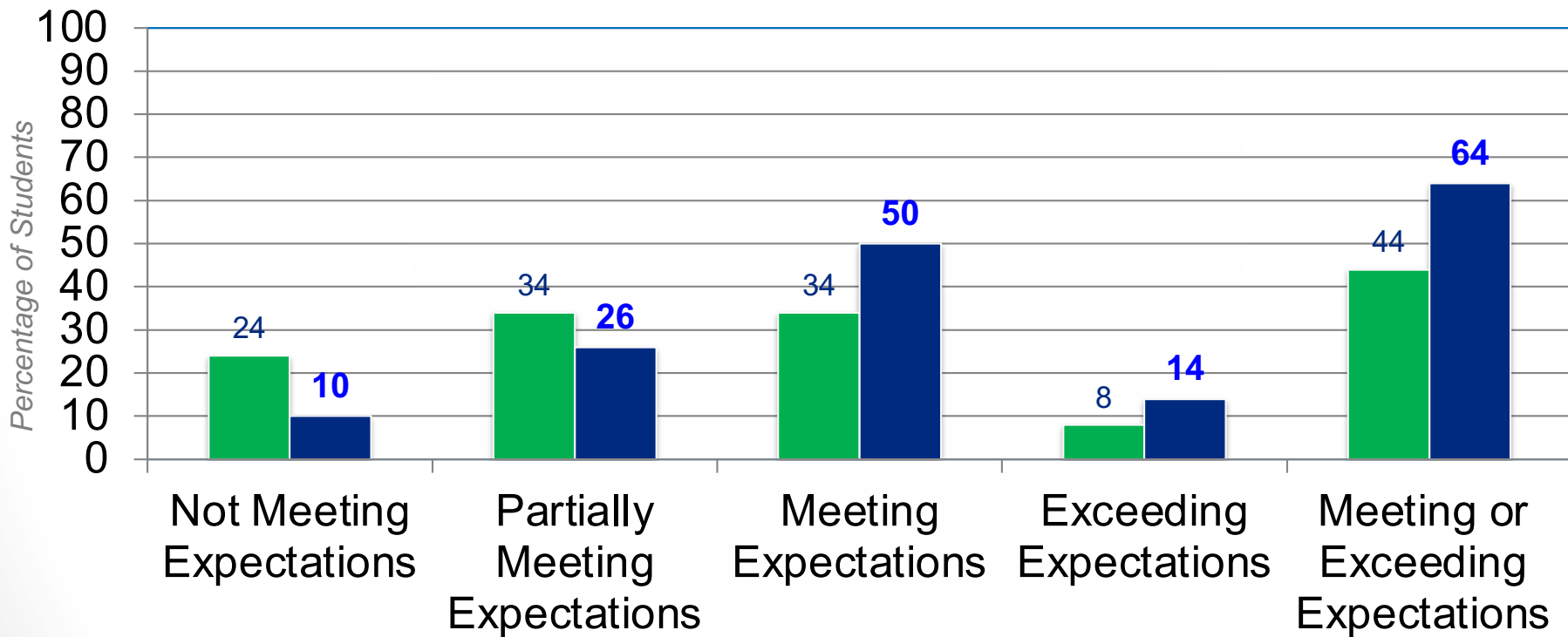


Grade 6 English Language Arts

Next-Generation MCAS

ACHIEVEMENT Results

■ State 2023 ■ SPS 2023

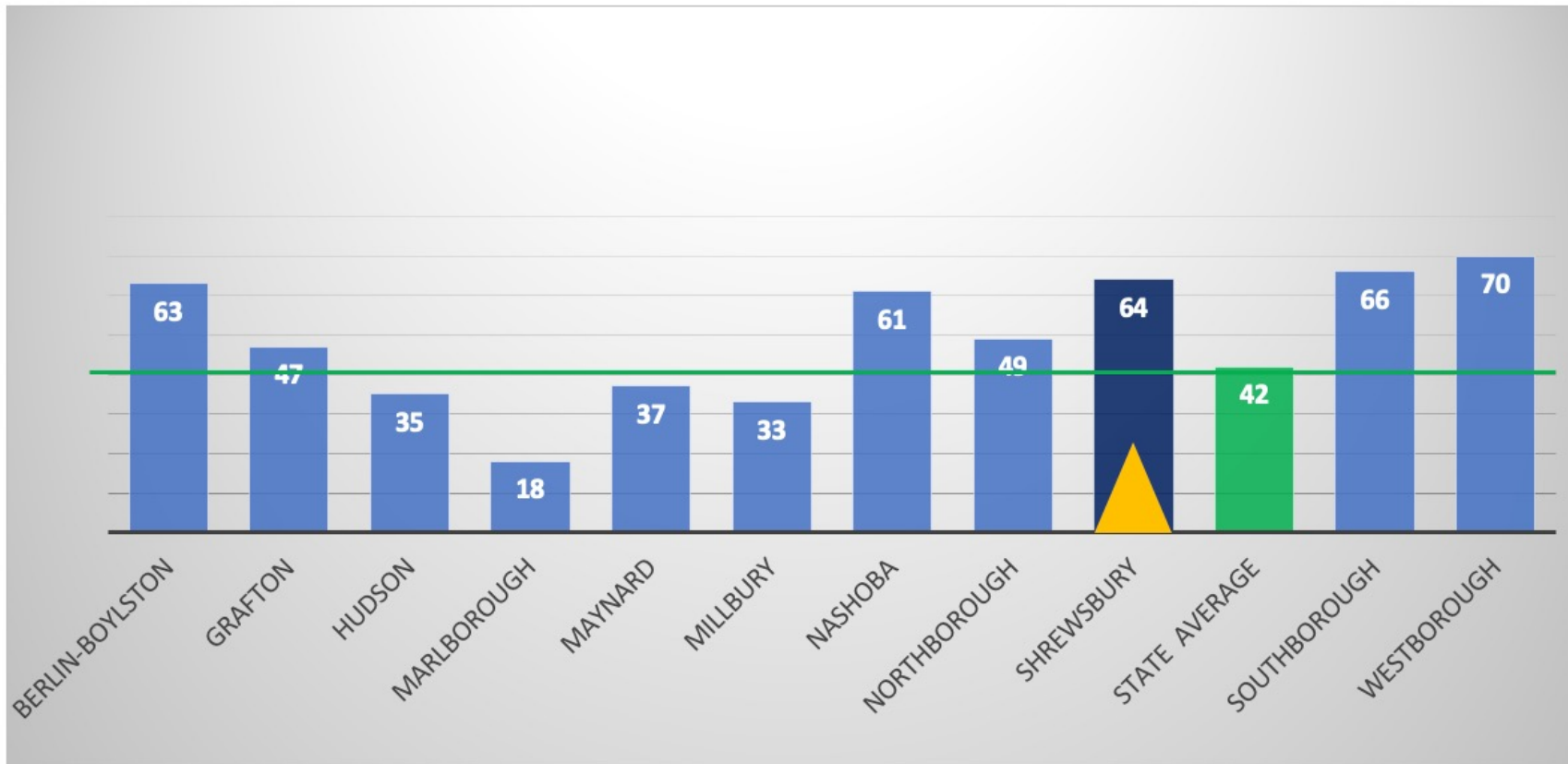


This slide (and the following slides for each grade level) indicate SPS grade-level results for the MCAS. The light green bar indicates the 2021 state percentages, and the blue bar indicates Shrewsbury's percentages in each category.

Percentage of Students Meeting or Exceeding Expectations

Next-Gen MCAS ELA / Grade 6

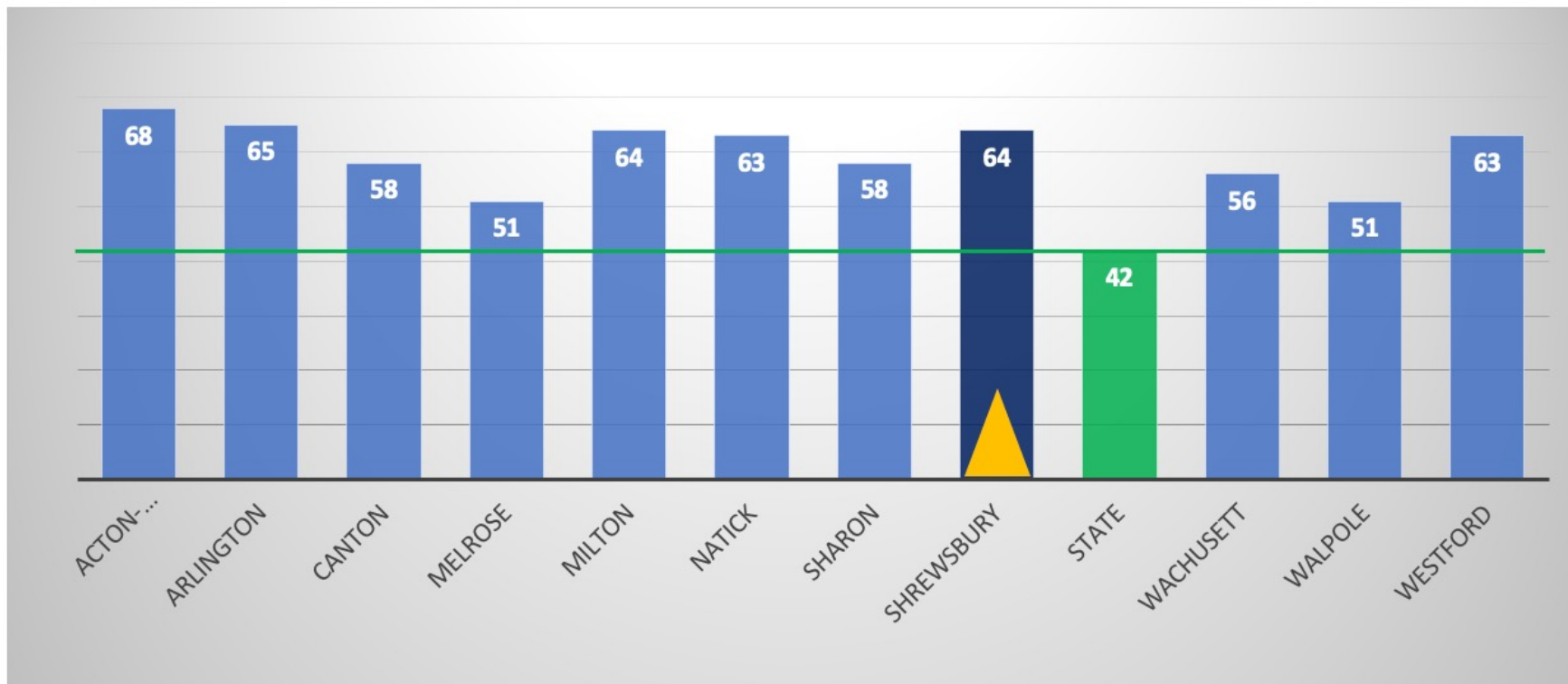
Assabet Valley Collaborative District Comparisons



Percentage of students Meeting or Exceeding Expectations

Next-Gen MCAS ELA / Grade 6

DART District Comparisons



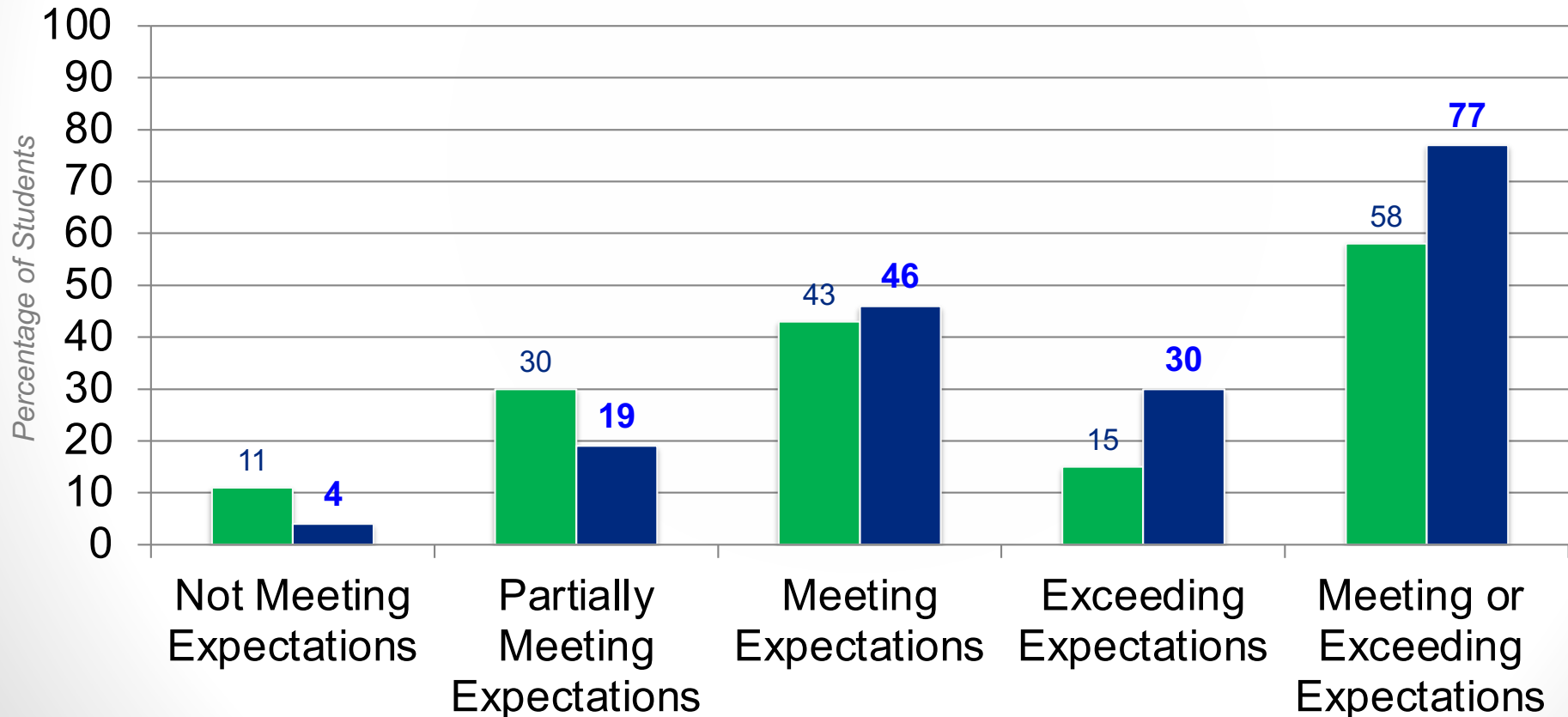
Shrewsbury Public Schools

SHS English Language Arts

Next Gen MCAS

ACHIEVEMENT Results

■ State 2023 ■ SPS 2023

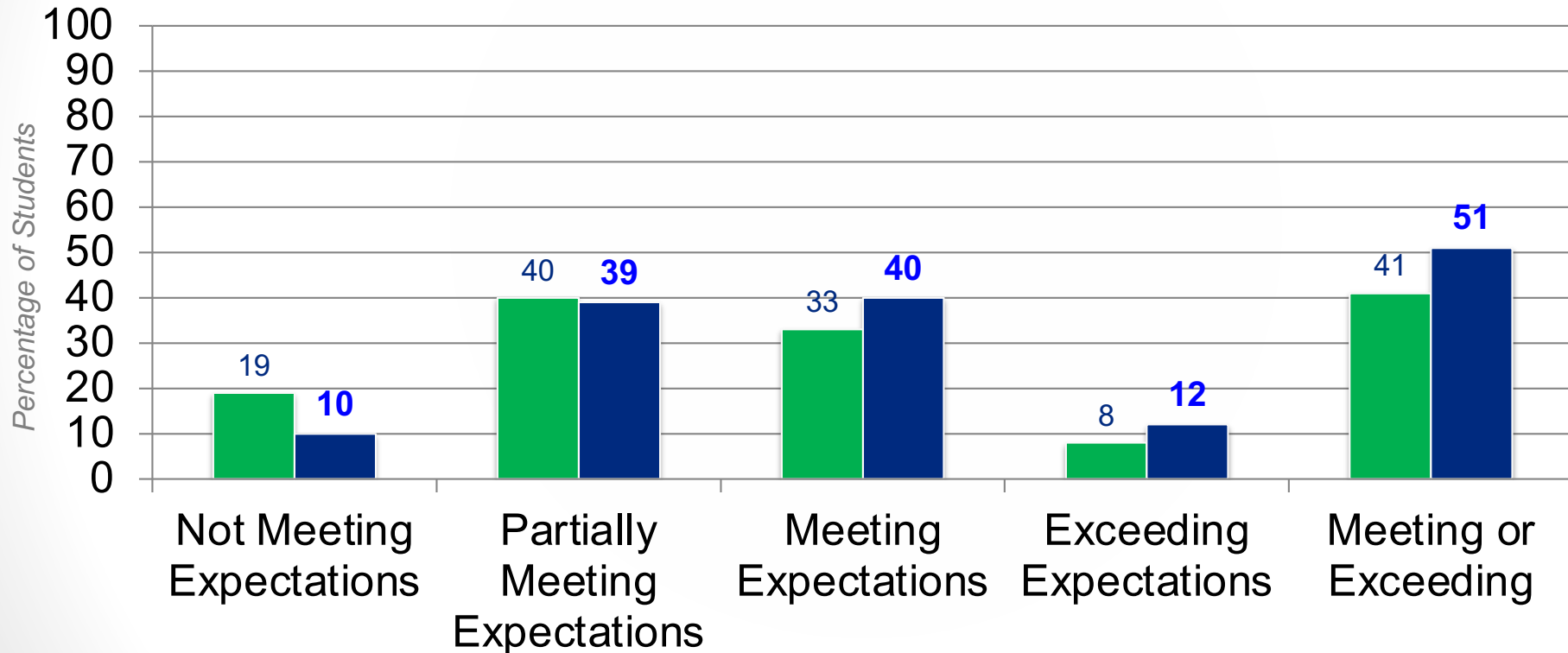


Grade 7 English Language Arts

Next-Generation MCAS

ACHIEVEMENT Results

■ State 2023 ■ SPS 2023



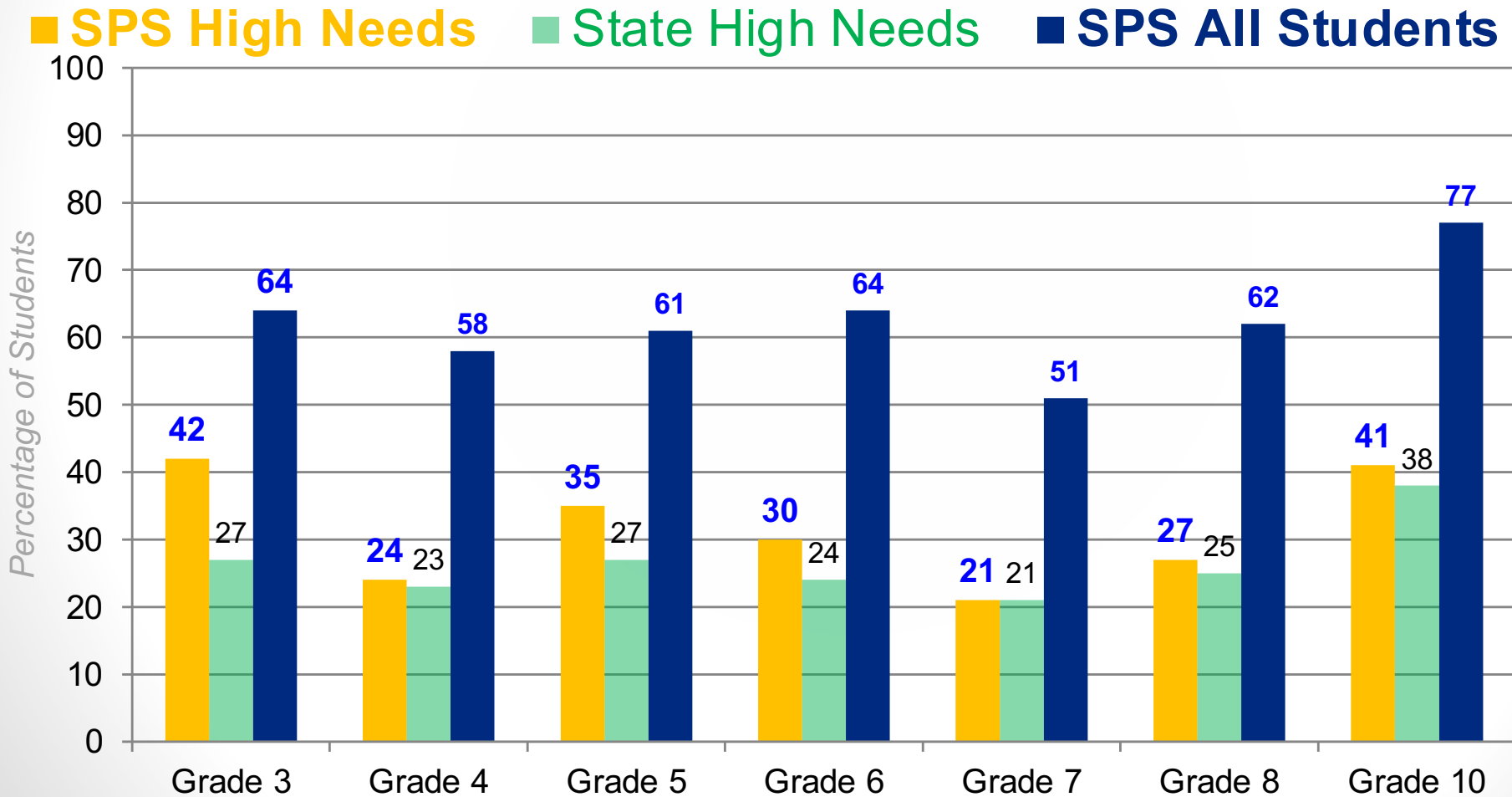
Student performance on the Grade 7 English Language Arts assessment continues to be a good area for further study. Our Curriculum Coordinators, administrators and teacher teams are analyzing data to guide next steps.

English Language Arts

High Needs Subgroup ACHIEVEMENT

by Grade Level

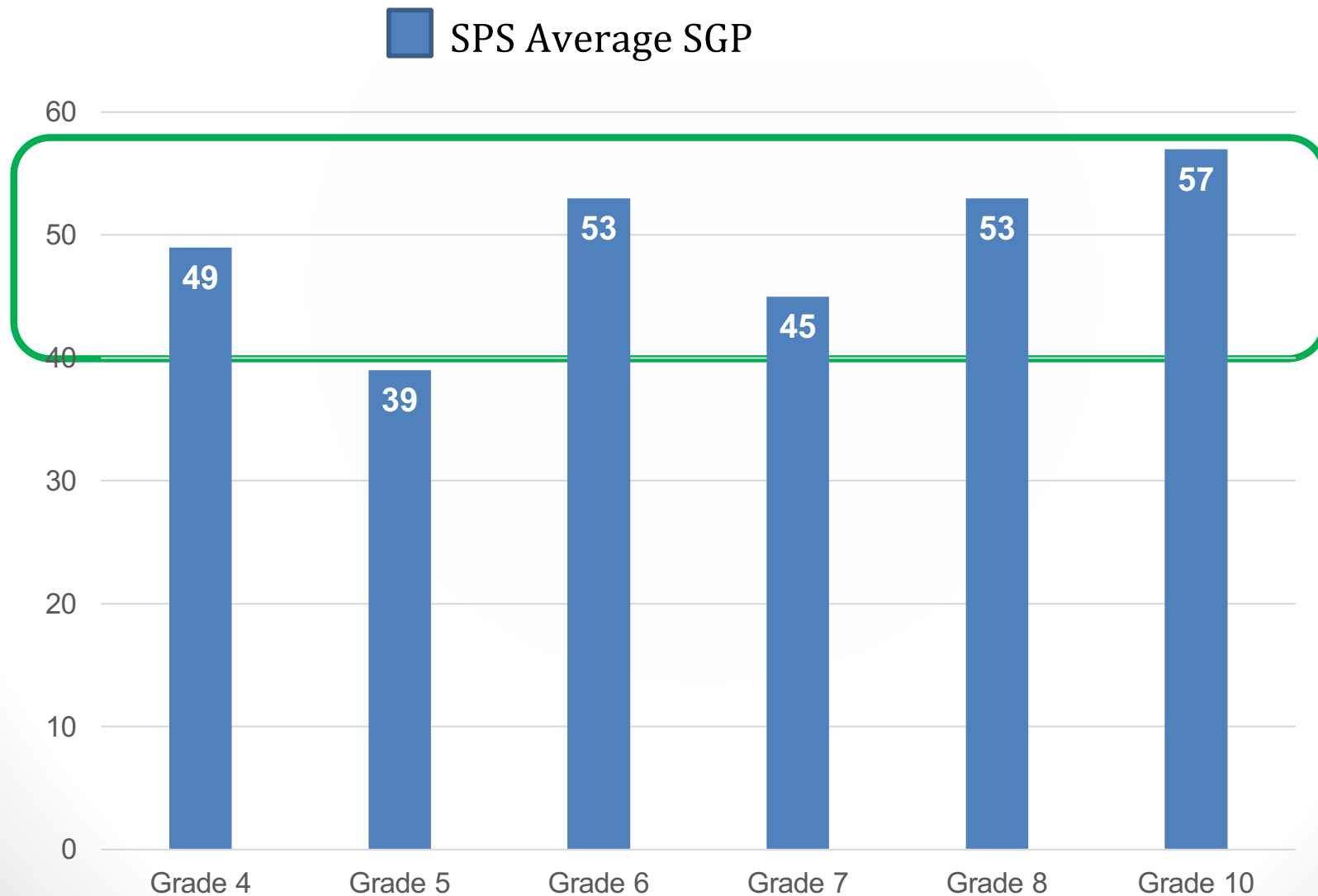
2023 Percentage of Students Meeting or Exceeding Expectations



English Language Arts

2023 Student Growth Percentiles (SGP)

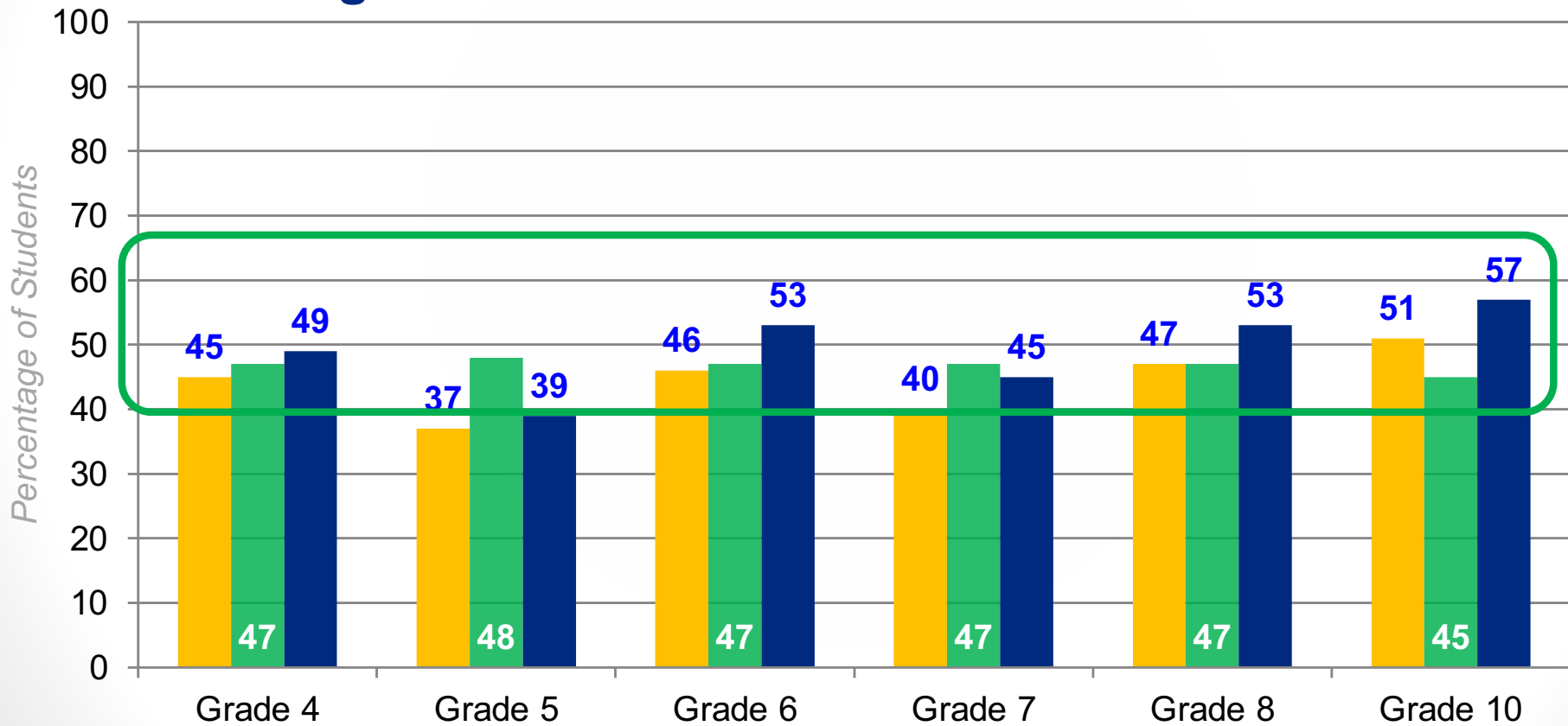
The state defines moderate (or expected) growth to be between the 40-60 percentile, with low growth as below the 40th percentile and high growth as above the 60th percentile.



English Language Arts

High Needs Subgroup by Grade Level *2023 Student Growth Percentiles (SGP)*

- SPS High Needs Subgroup
- State High Needs
- SPS Average SGP



The achievement gap between the high needs subgroup and the “all students” group in Shrewsbury is bigger than the gap between the same subgroup and the aggregate scores for the state.

Next Steps

Use the data.

- Use district, school, and student level results to identify strengths and needs

Collaborate across levels.

- Discuss best practices and share resources
- Calibrate instruction

✓ Continue to invest in English Language Arts

Work with district leaders to monitor student progress.

- A universal screening tool enables us to see student progress across all grade levels.

"READING IS A PASSPORT
TO COUNTLESS ADVENTURES."
-MARY POPE OSBORNE



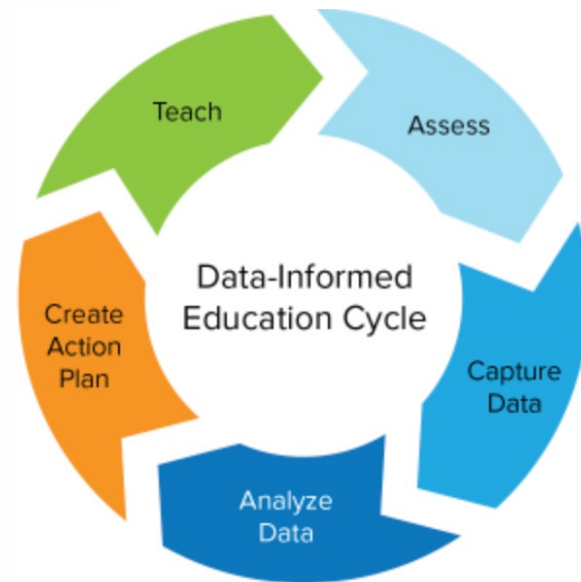
Strengthen Systems

Grade	% Predicted to be Proficient in 2023 in Reading	Actual % Met / Exceeding in 2023 in ELA	% Difference
3	55	64	+9
4	57	58	+1
5	56	61	+5
6	62	64	+2
7	54	52	-2
8	54	62	+8

The availability of Star data three times a year means we have information about student proficiency in Reading and Math that we can act on right away.

More Data, Better Outcomes

- A test score is a snapshot
- MCAS gives us the annual "school picture"
- Star Reading and Math assessments enable us to monitor student progress **DURING** the academic year



Questions?

