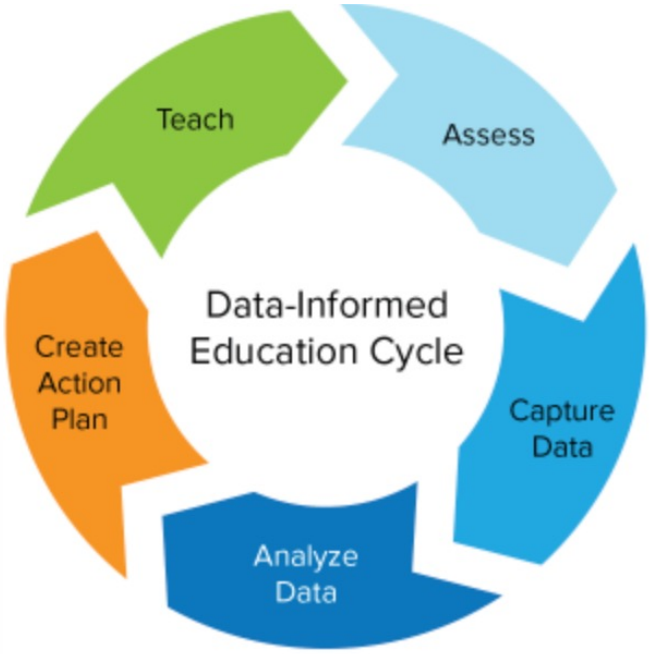
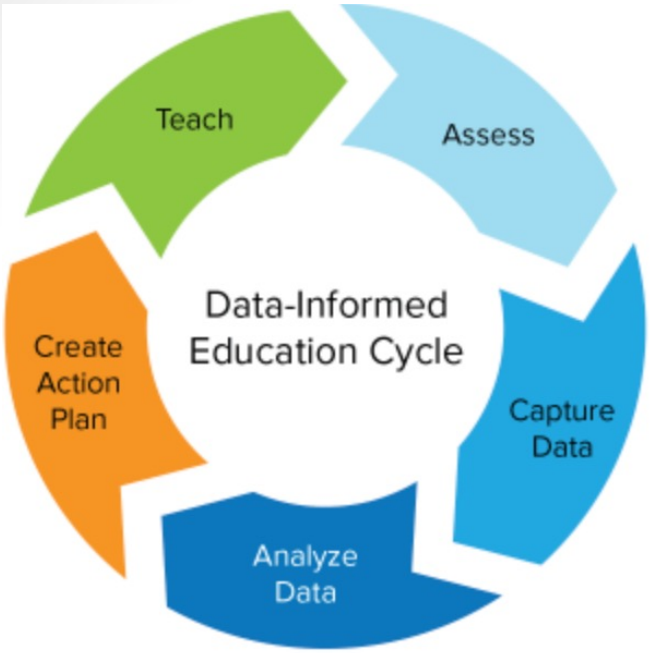


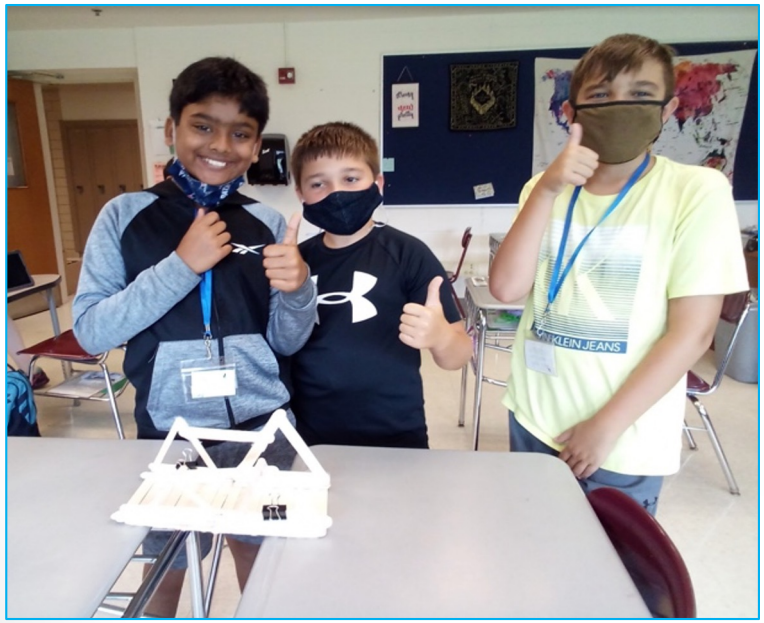
State Testing Update

Report to School Committee
January 18, 2022

Why test all students?

- High expectations: MCAS test tests students' **critical thinking abilities**, **application of knowledge**, and ability to make **connections across subjects**
- Designed to send a **clearer signal of readiness** for the next grade level or college and career





- Improving outcomes for students is at the heart of what we do, and especially when considering assessment information.
- MCAS is one important way we "check" on the overall health of the school system.
- MCAS data continues to helped identify instructional gaps and student needs.

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

MCAS Revisited

- DESE released the Next Generation test (MCAS 2.0) as an attempt to recalibrate.
- Students at ALL levels took this version of the test in 2019.
- MCAS was cancelled in 2020, resuming in 2021 in abbreviated form.
- In 2022 students at all levels took the full version of the Next Generation MCAS test.

Achievement & Growth Scores

Assessment scores indicate how each student is *achieving* relative to the state standards for that grade level.

- *This is helpful in determining a student's proficiency in a given content area, like Math*

Growth measures how an individual student's *test score* compares to others who performed the same on previous years' tests

- *For instance, it tells how a specific student's score on the 6th grade MCAS Math test compares to the scores of all the students in the state who had the same scores on the 4th and 5th grade MCAS Math tests, in terms of what percentage of those students scored higher or lower than that student*

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

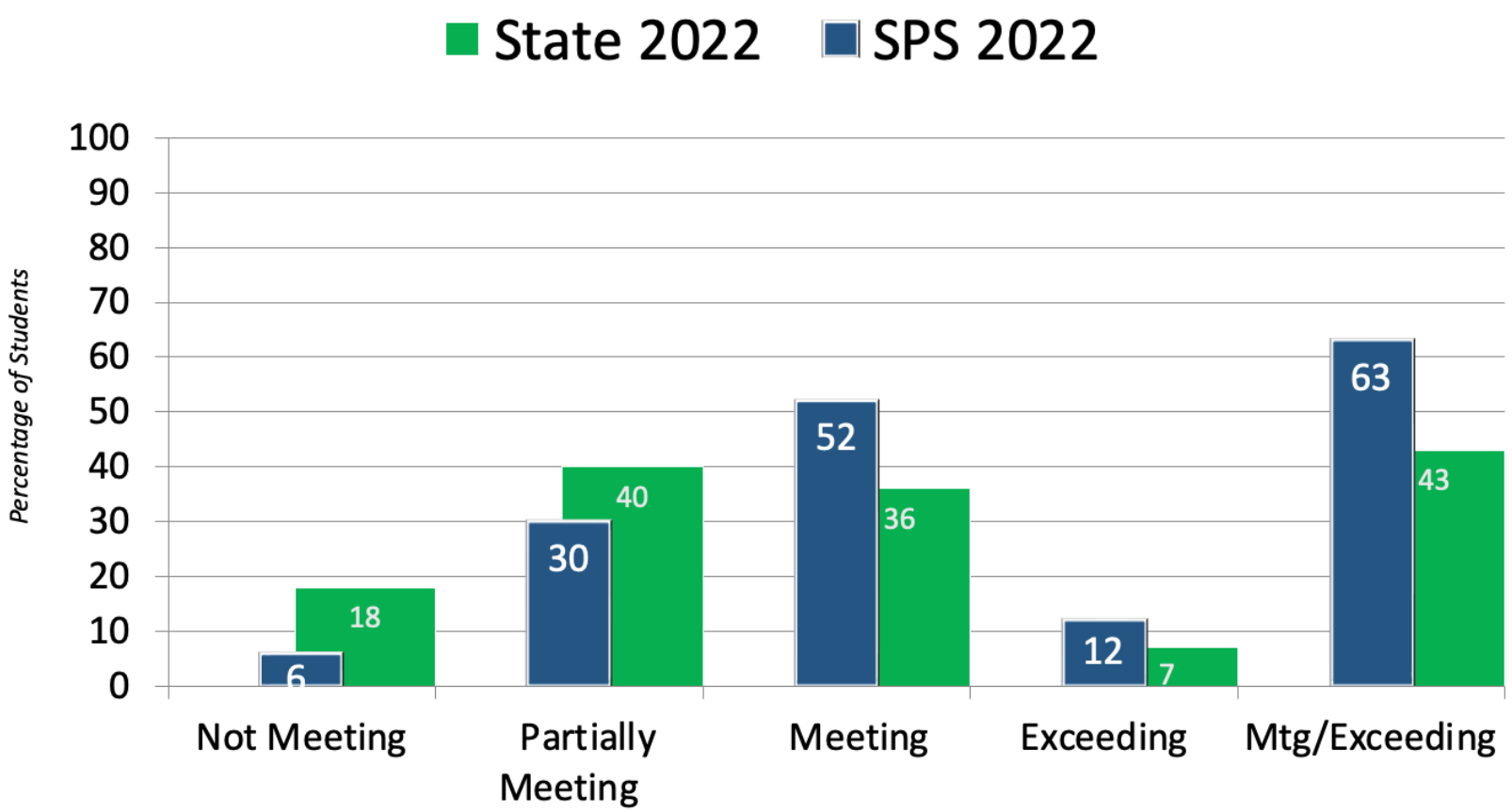
- *All students can potentially grow at the 1st or 99th percentile*

Science and Technology/Engineering

Shrewsbury Public Schools

Grade 5 Science & Technology

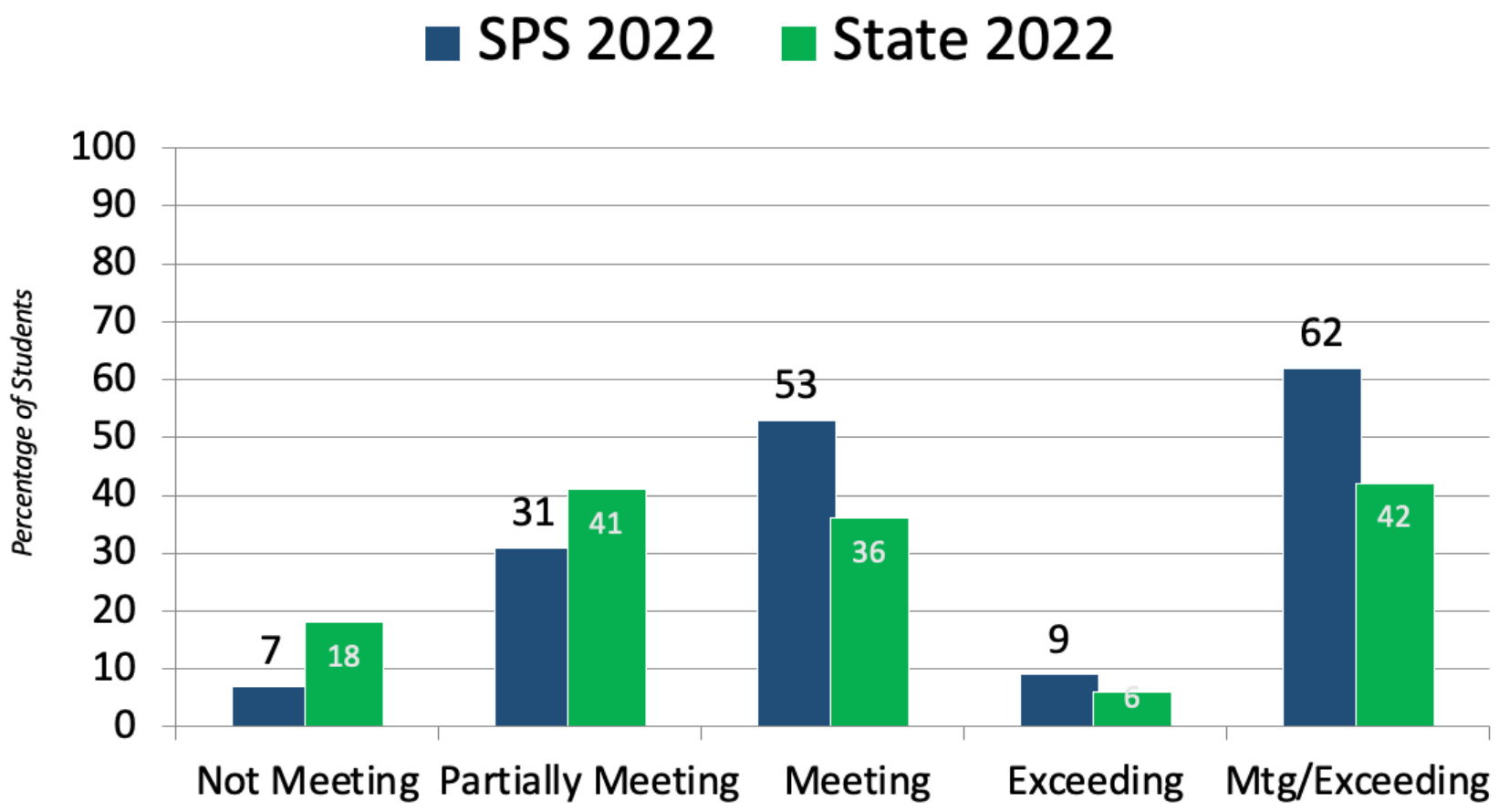
2022 Next Gen MCAS Test Results



Shrewsbury Public Schools

Grade 8 Science & Technology

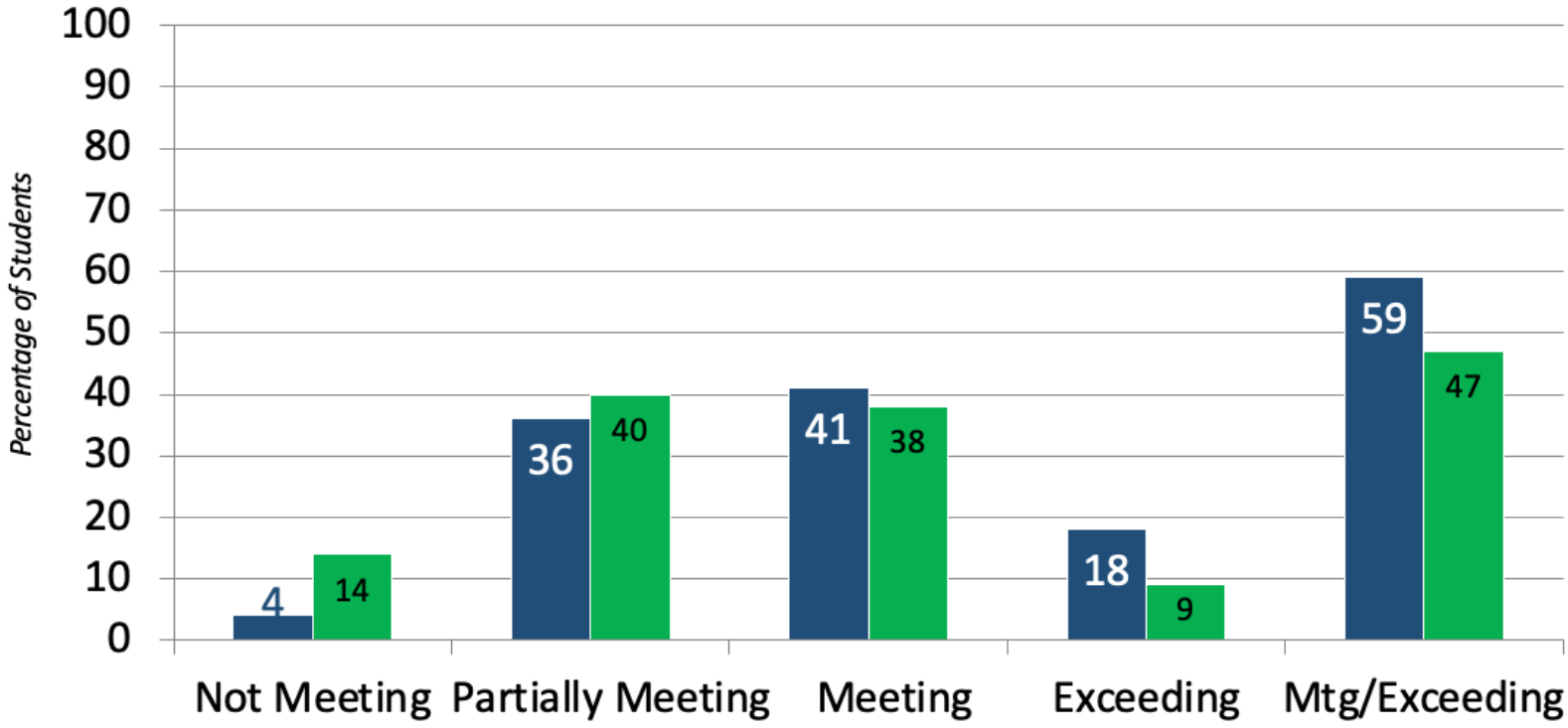
2022 Next Gen MCAS Test Results



Shrewsbury Public Schools

Grade 10 Science & Technology

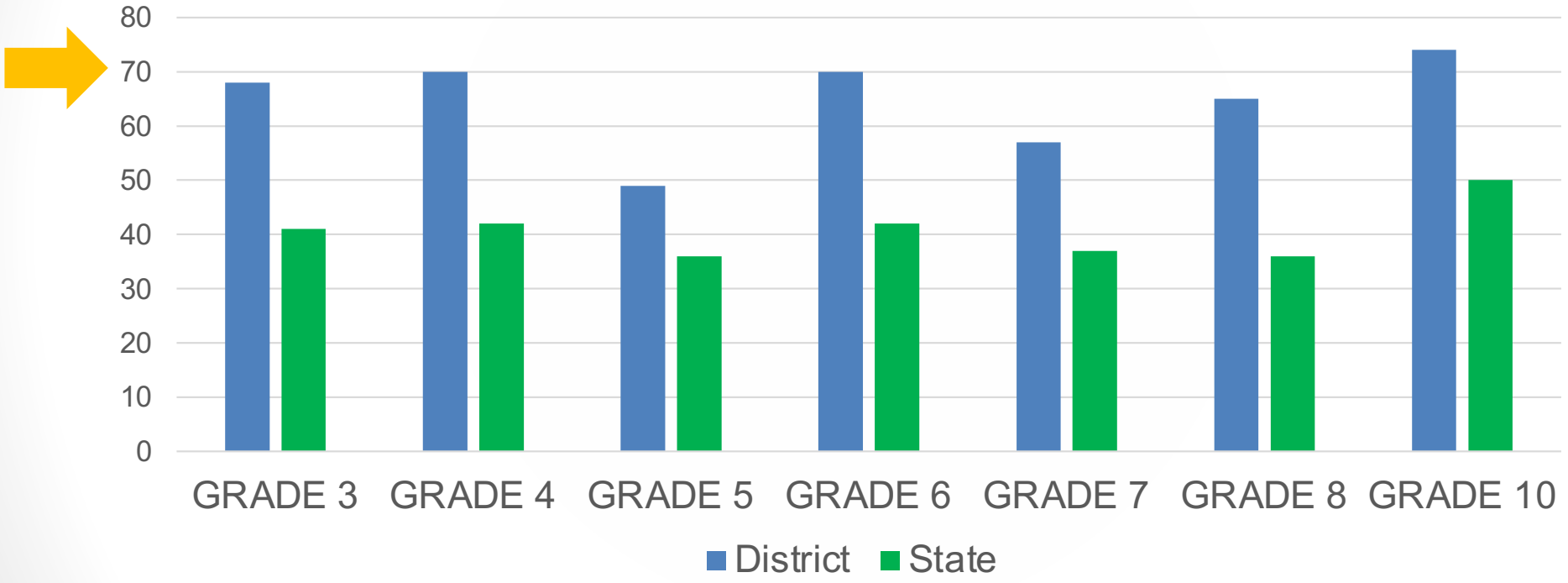
2022 Next Gen MCAS Test Results



Mathematics

SPS vs State :
An Overview of Math Achievement

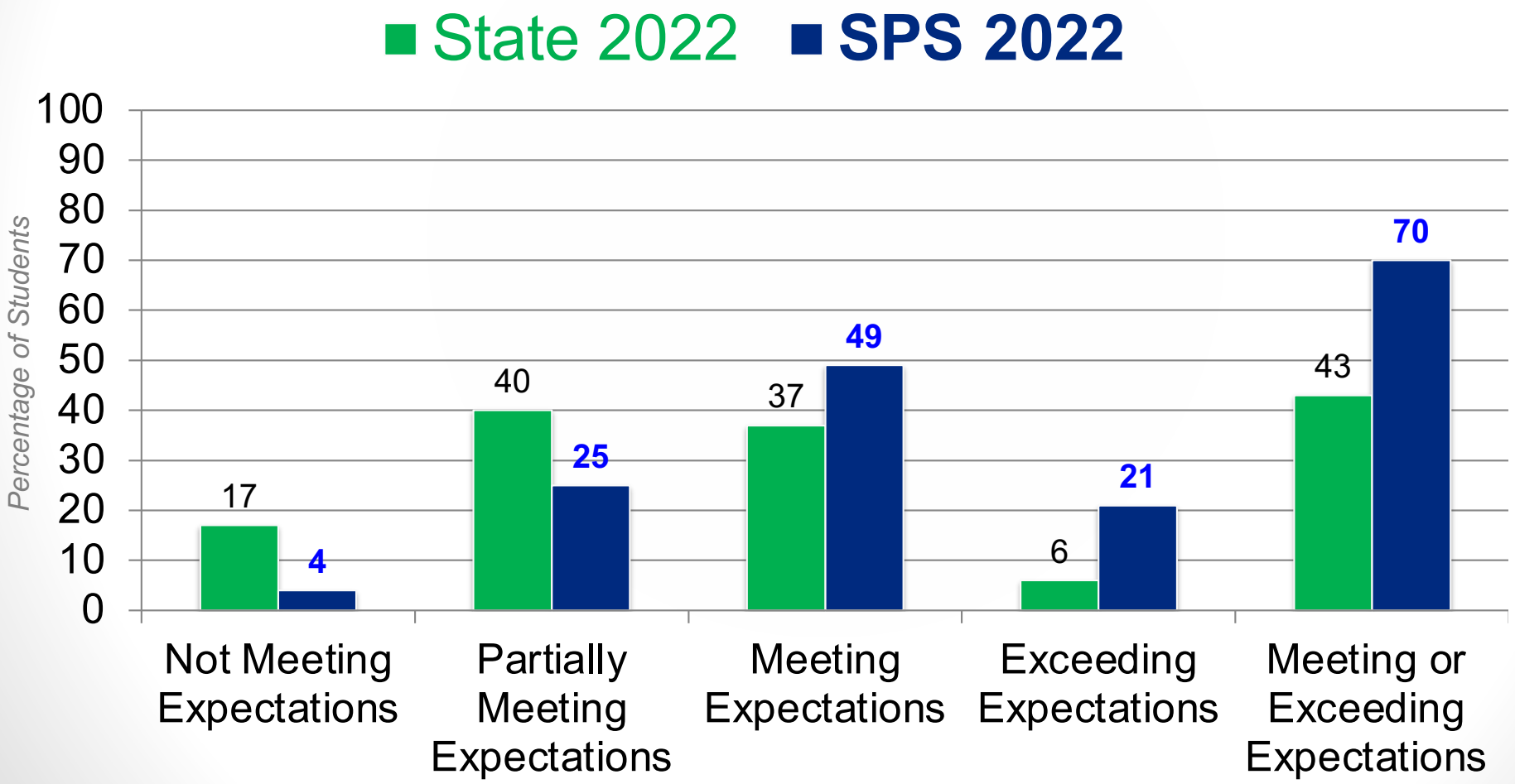
% Proficient By Grade



Shrewsbury Public Schools

Grade 4 Mathematics

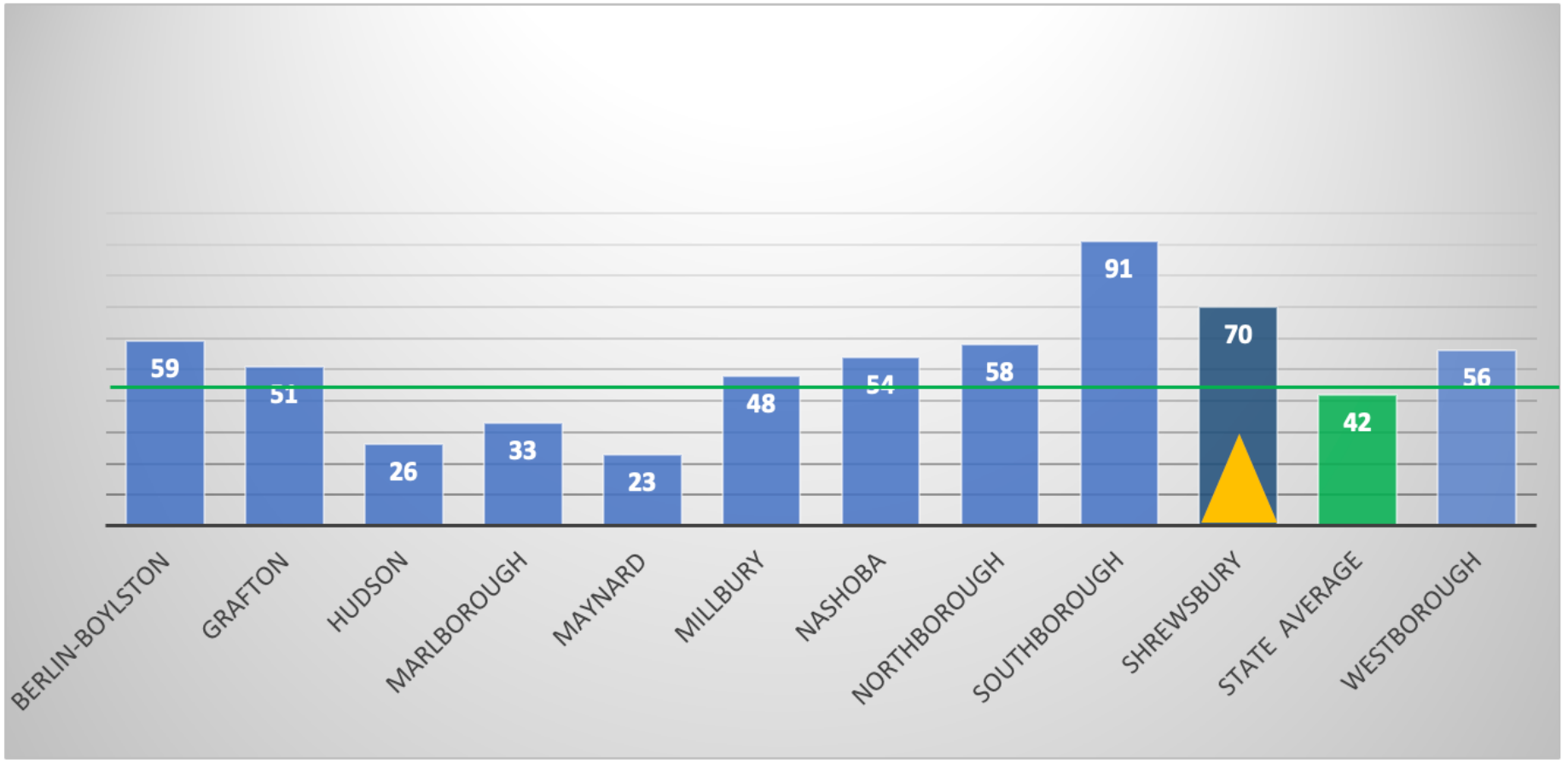
Next-Generation MCAS State Assessment Results



Percentage of Students Meeting or Exceeding Expectations

Next-Gen MCAS Math / Grade 4

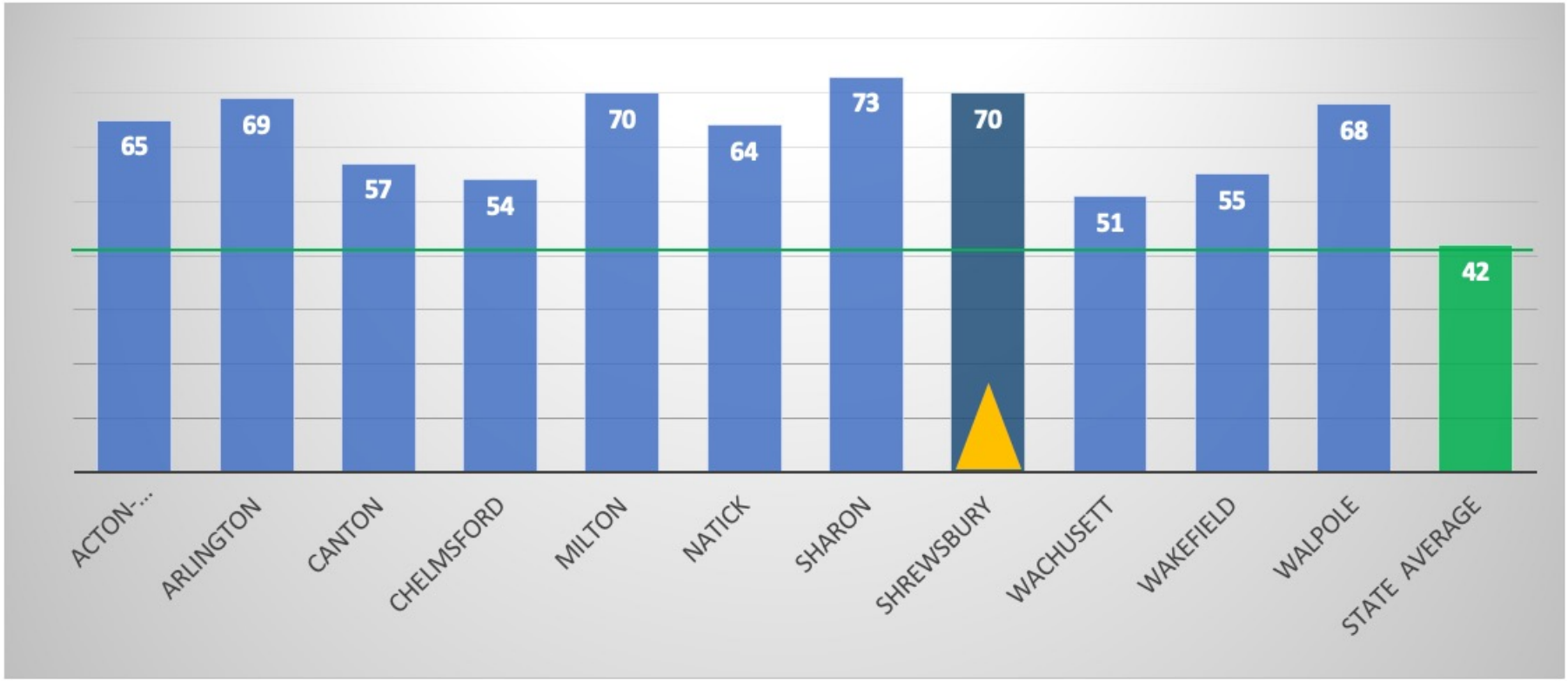
Assabet Valley Collaborative District Comparisons



Percentage of students Meeting or Exceeding Expectations

Next-Gen MCAS Math / Grade 4

DART District Comparisons

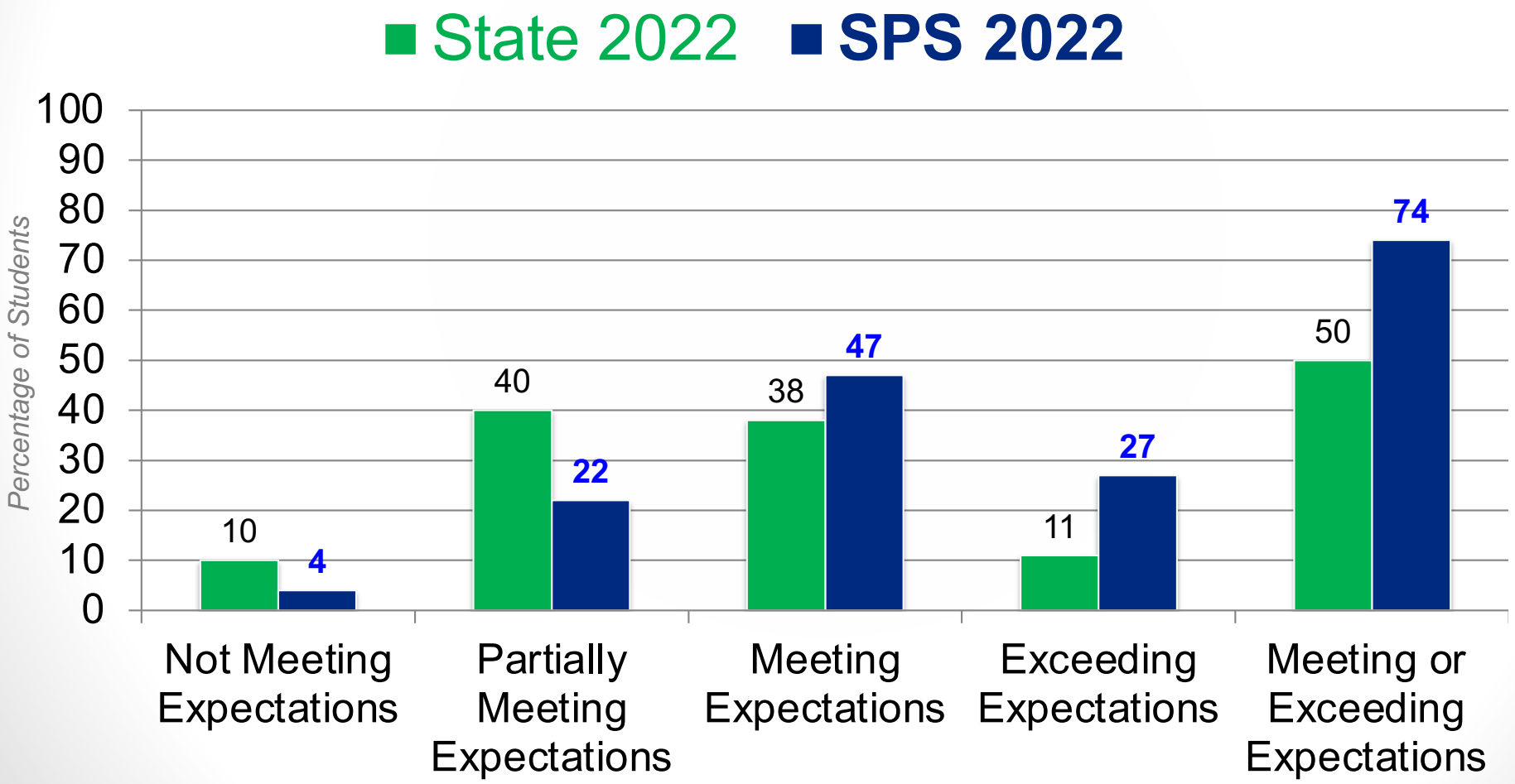


Shrewsbury Public Schools

Grade 10 Mathematics

Next-Generation MCAS

State Assessment Results

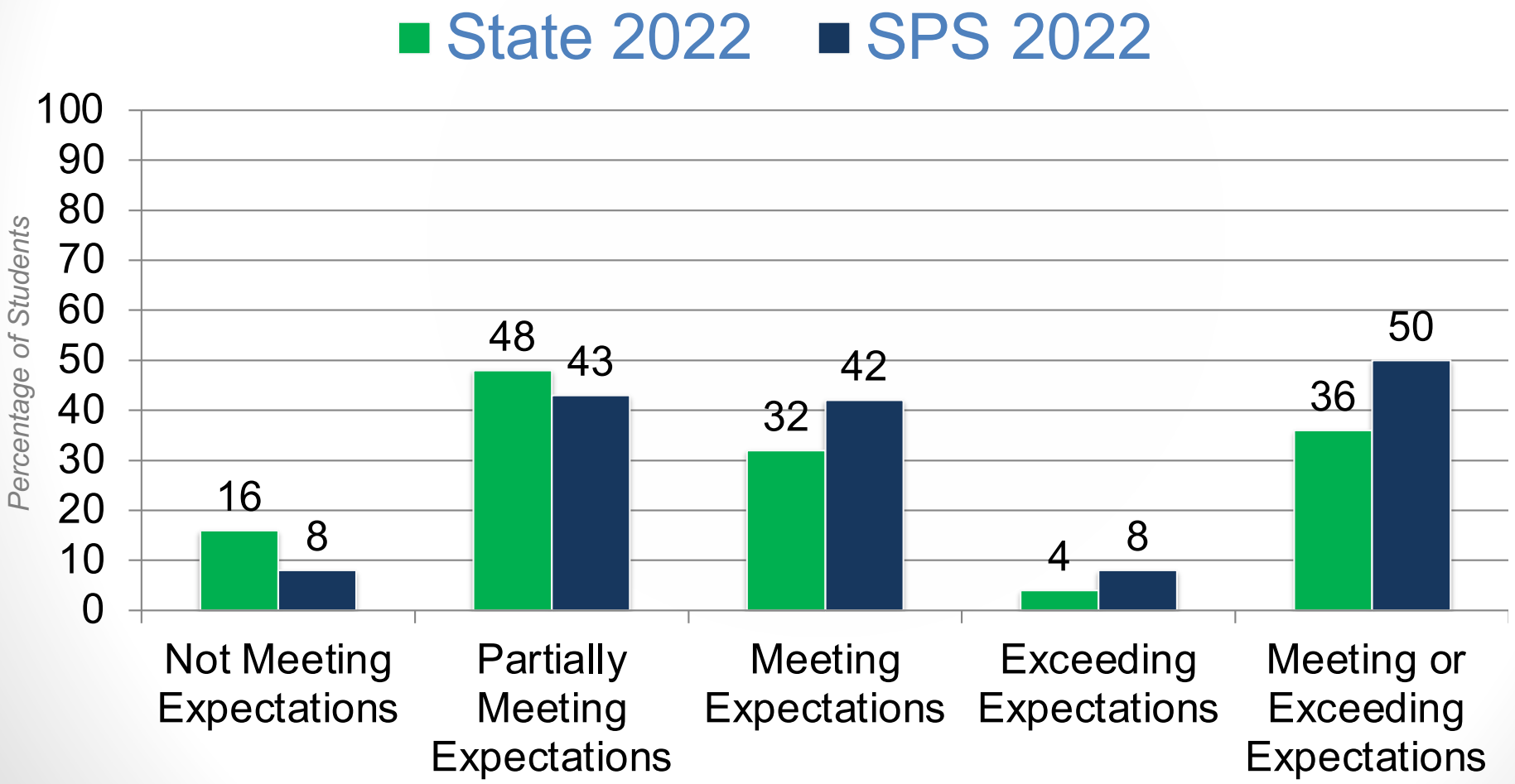


Shrewsbury Public Schools

Grade 5 Mathematics

Next-Generation MCAS

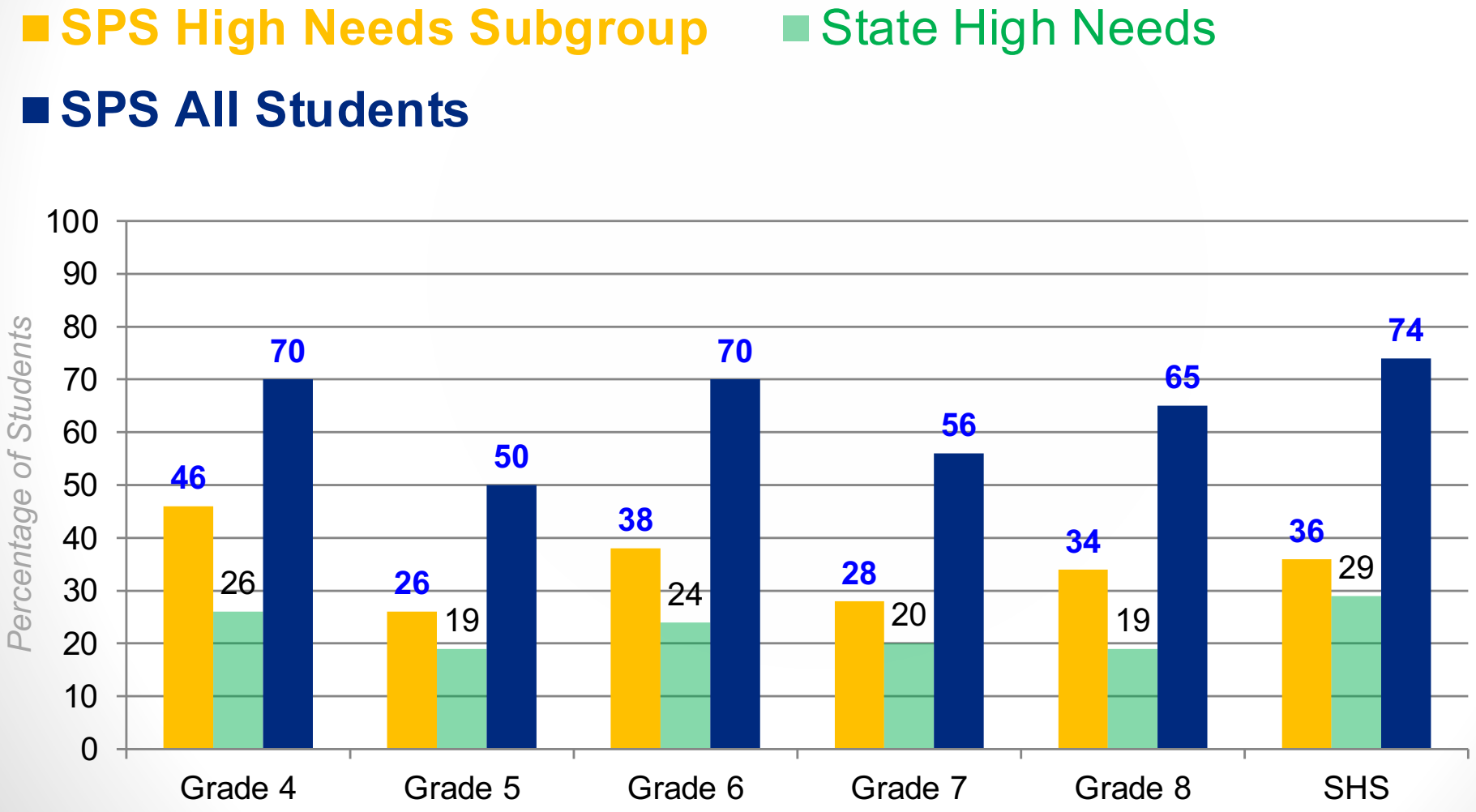
State Assessment Results



Mathematics

High Needs Subgroup by Grade Level

2022 Percentage of Students Meeting or Exceeding Expectations

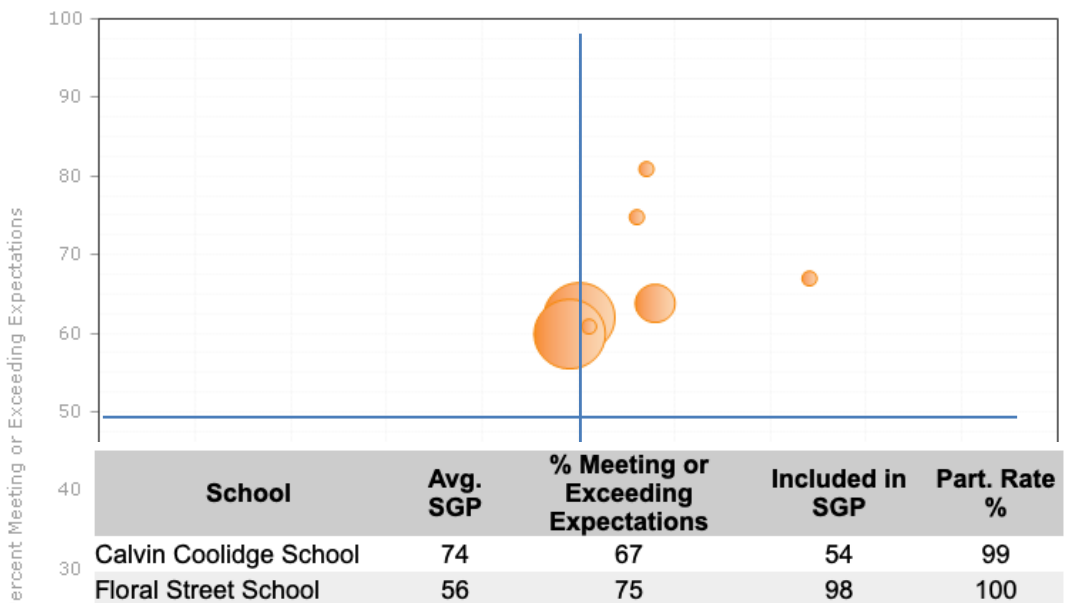


From DESE : Math Growth Gr 4-8

2022 Next Generation MCAS Student Growth Report - Shrewsbury (02710000) Subje
MATH - Grade: 4-8

Data Last Updated September 29, 2022. More about the data

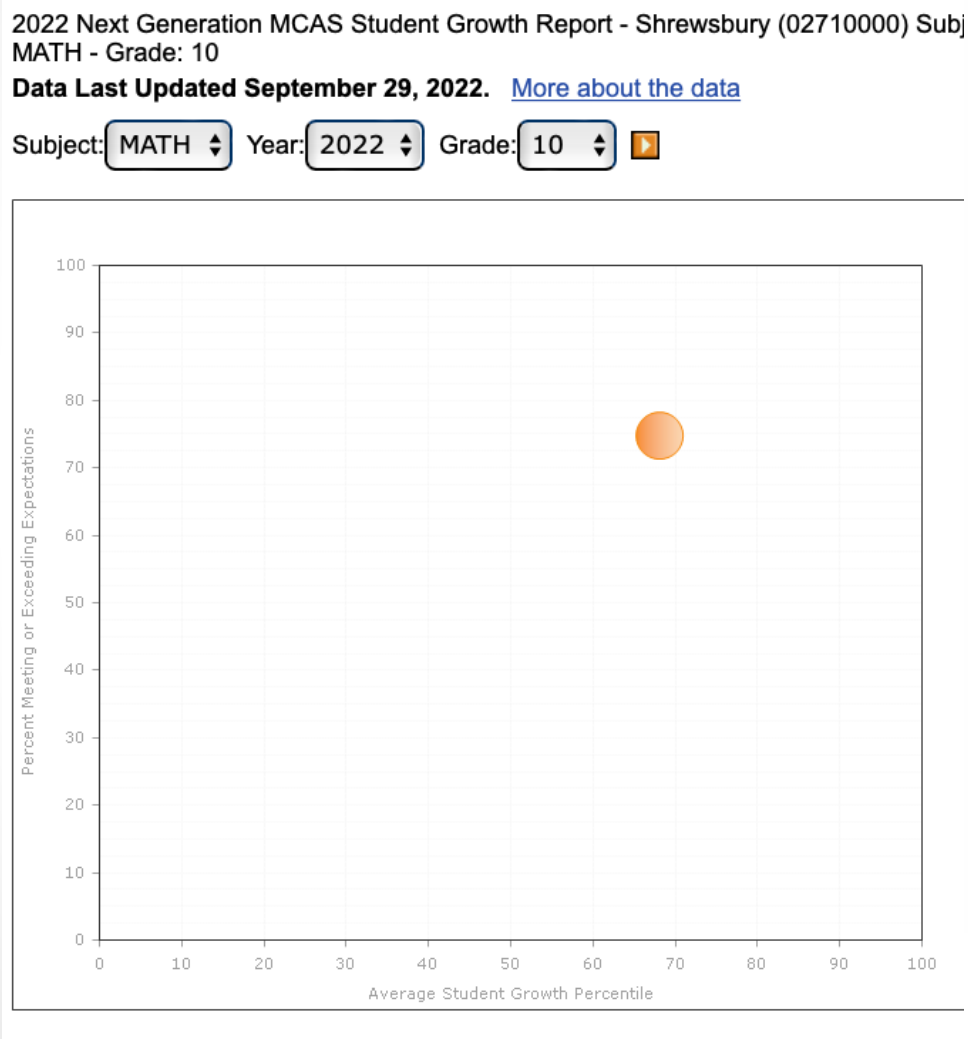
Subject: MATH Year: 2022 Grade: 4-8



School	Avg. SGP	% Meeting or Exceeding Expectations	Included in SGP	Part. Rate %
Calvin Coolidge School	74	67	54	99
Floral Street School	56	75	98	100
Major Howard W. Beal School	58	64	109	100
Oak Middle School	50	62	907	100
Sherwood Middle School	49	60	885	99
Spring Street School	57	81	62	100
Walter J. Paton School	51	61	72	100

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

From DESE : Math Growth Gr 10

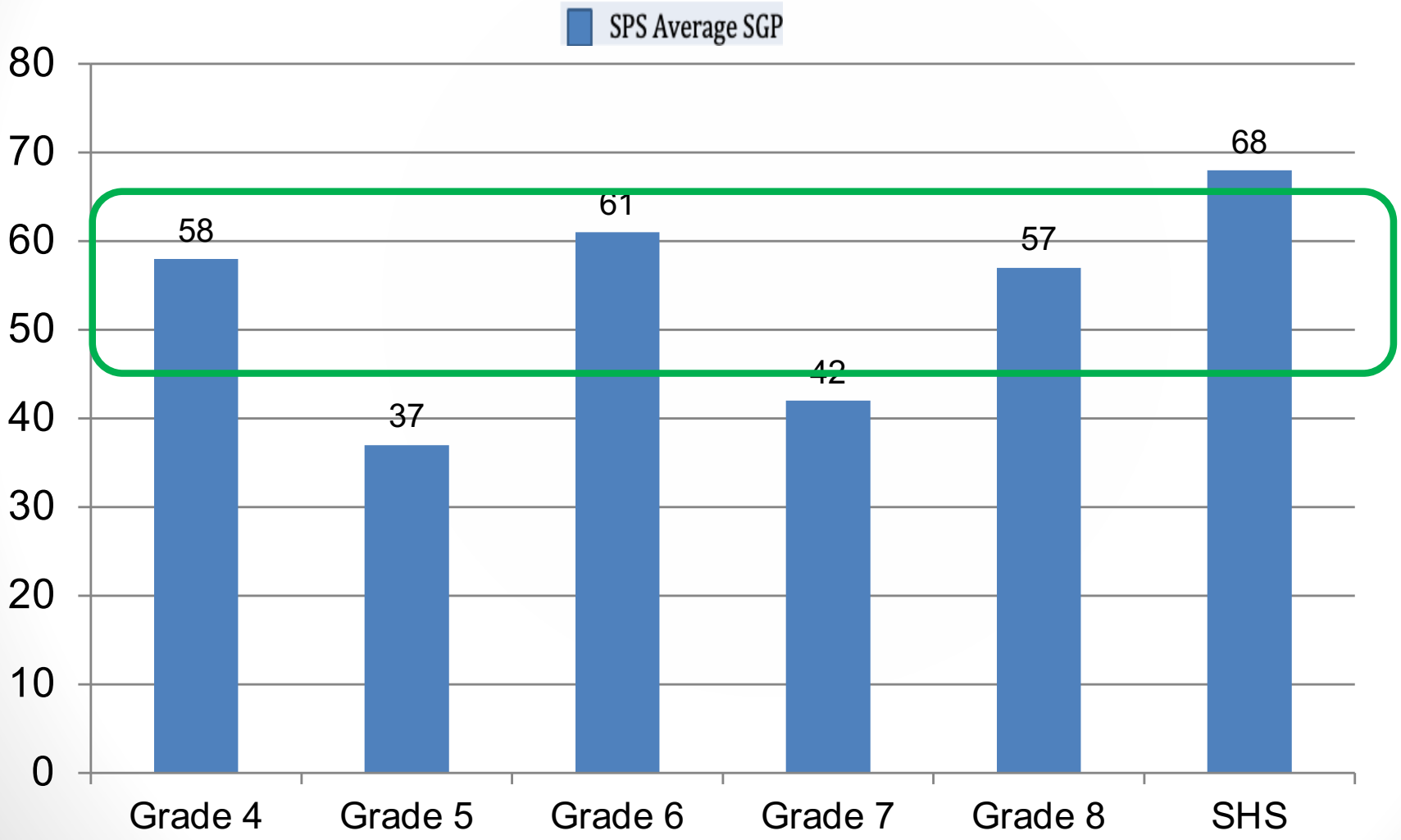


- The state defines *moderate* (or expected) growth to be between the 40th-60th percentile, with *low growth* as below the 40th percentile and *high growth* as above the 60th percentile.
- Average SGP for Math at SHS is 68

Mathematics

2022 Student Growth Percentiles (SGP)

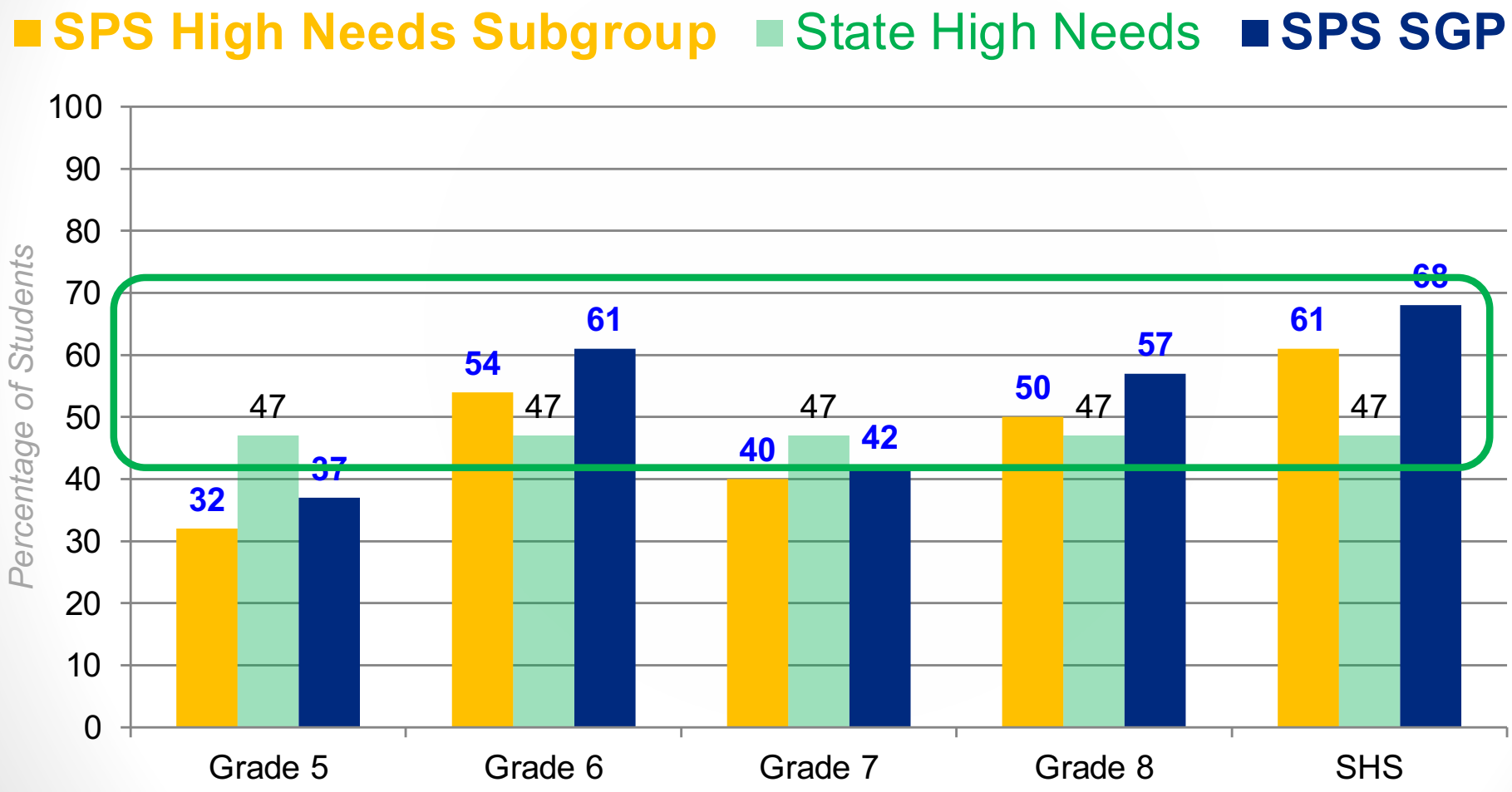
*The state defines moderate (or expected) growth to be between the **40-60** percentile, with low growth as below the 40th percentile and high growth as above the 60th percentile.*



Mathematics

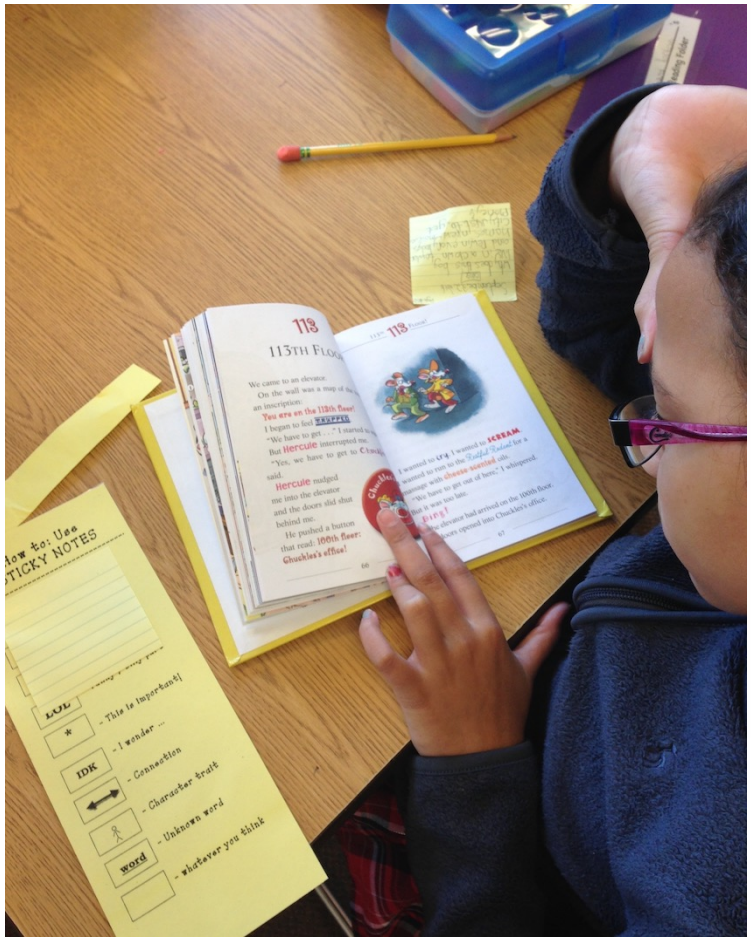
High Needs Subgroup by Grade Level

2022 Student Growth Percentiles (SGP)



Staff look closely at the achievement gap between the high needs subgroup and the "all students" group. While co-teaching has enabled educators to better meet the diverse needs of students in the high needs subgroup, there is still a lot of progress to be made in this area.

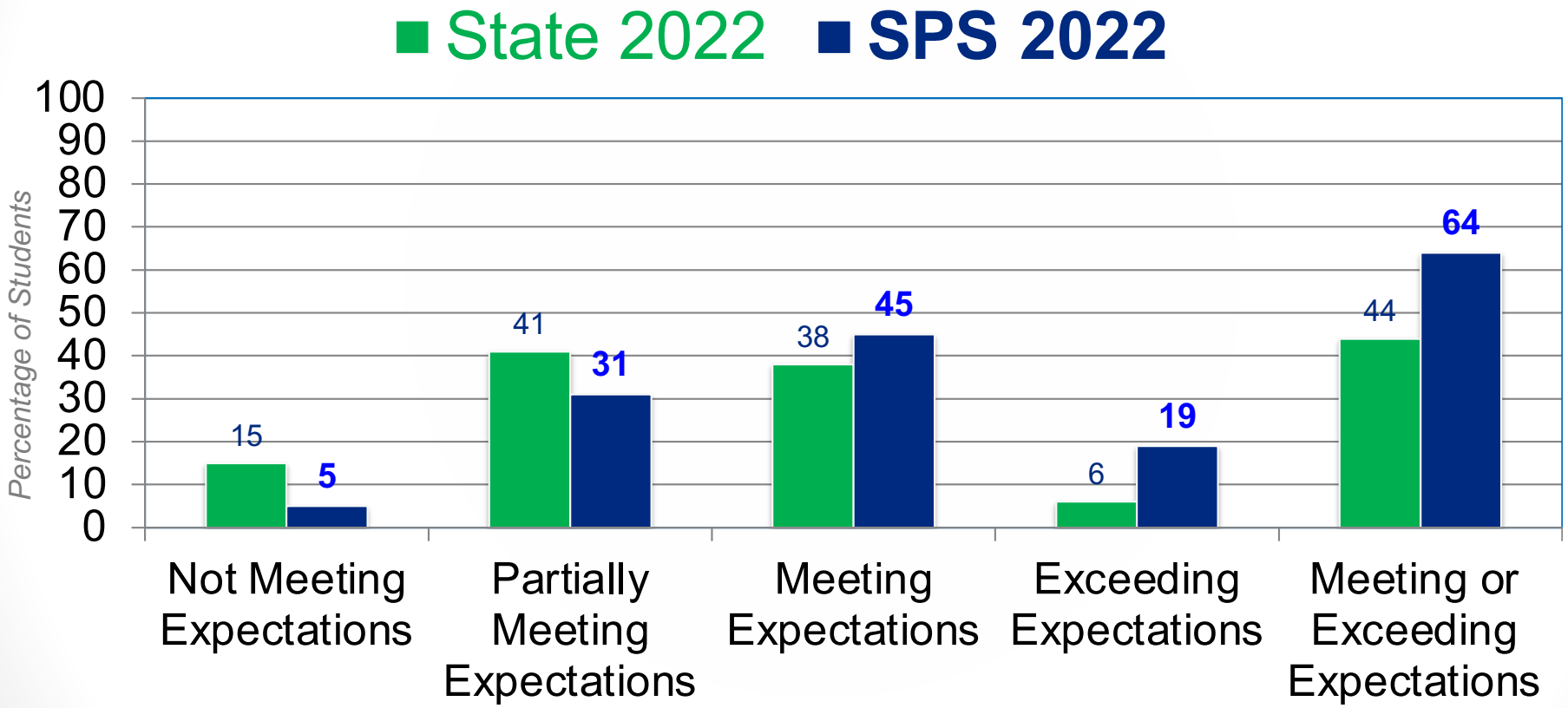
English Language Arts



Shrewsbury Public Schools

Grade 3 English Language Arts

***Next-Generation* MCAS** State Assessment Results

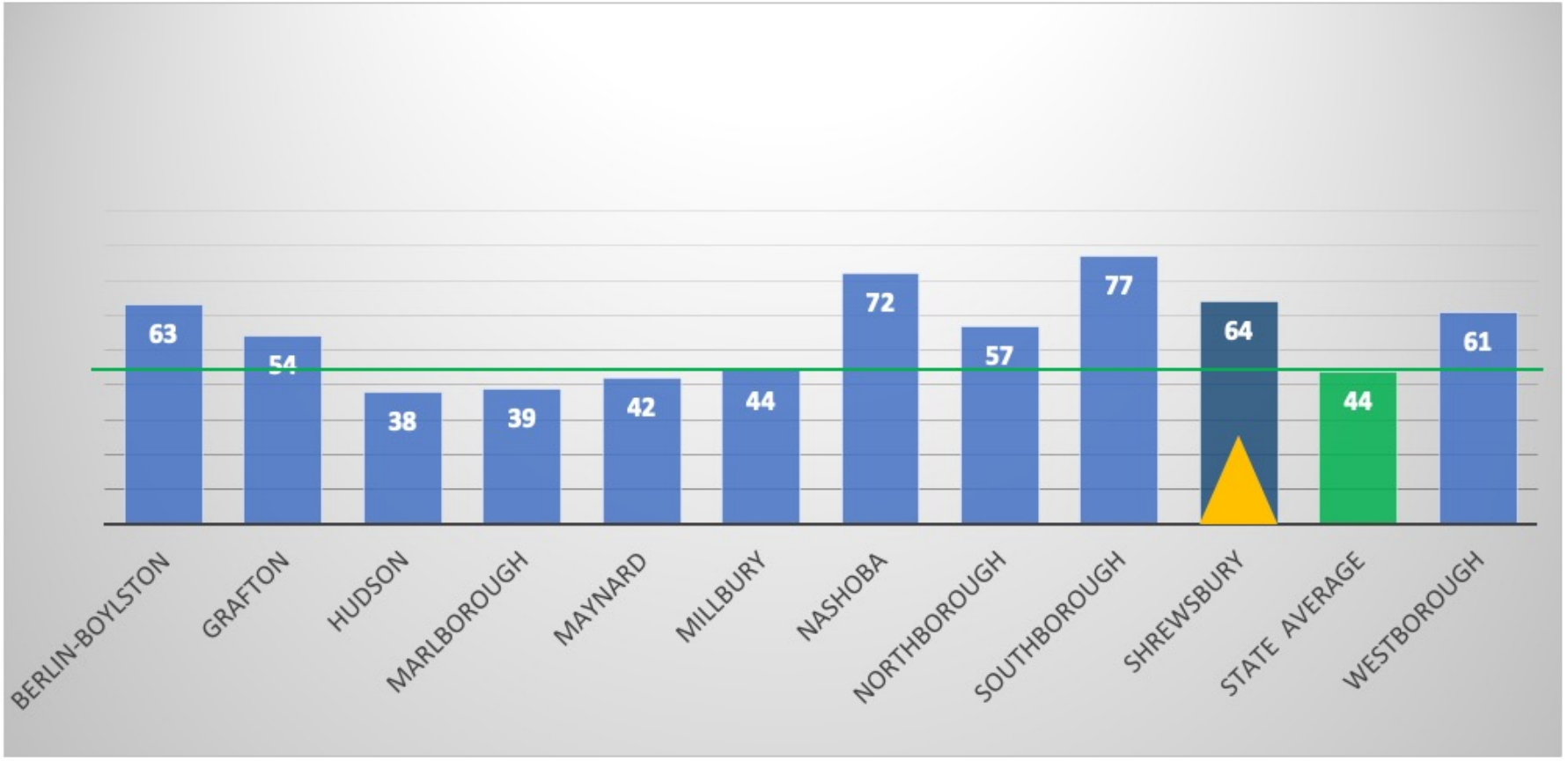


This slide (and the following slides for each grade level) indicate SPS grade-level results for the MCAS. The light green bar indicates the 2021 state percentages, and the blue bar indicates Shrewsbury's percentages in each category.

Percentage of Students Meeting or Exceeding Expectations

Next-Gen MCAS ELA / Grade 3

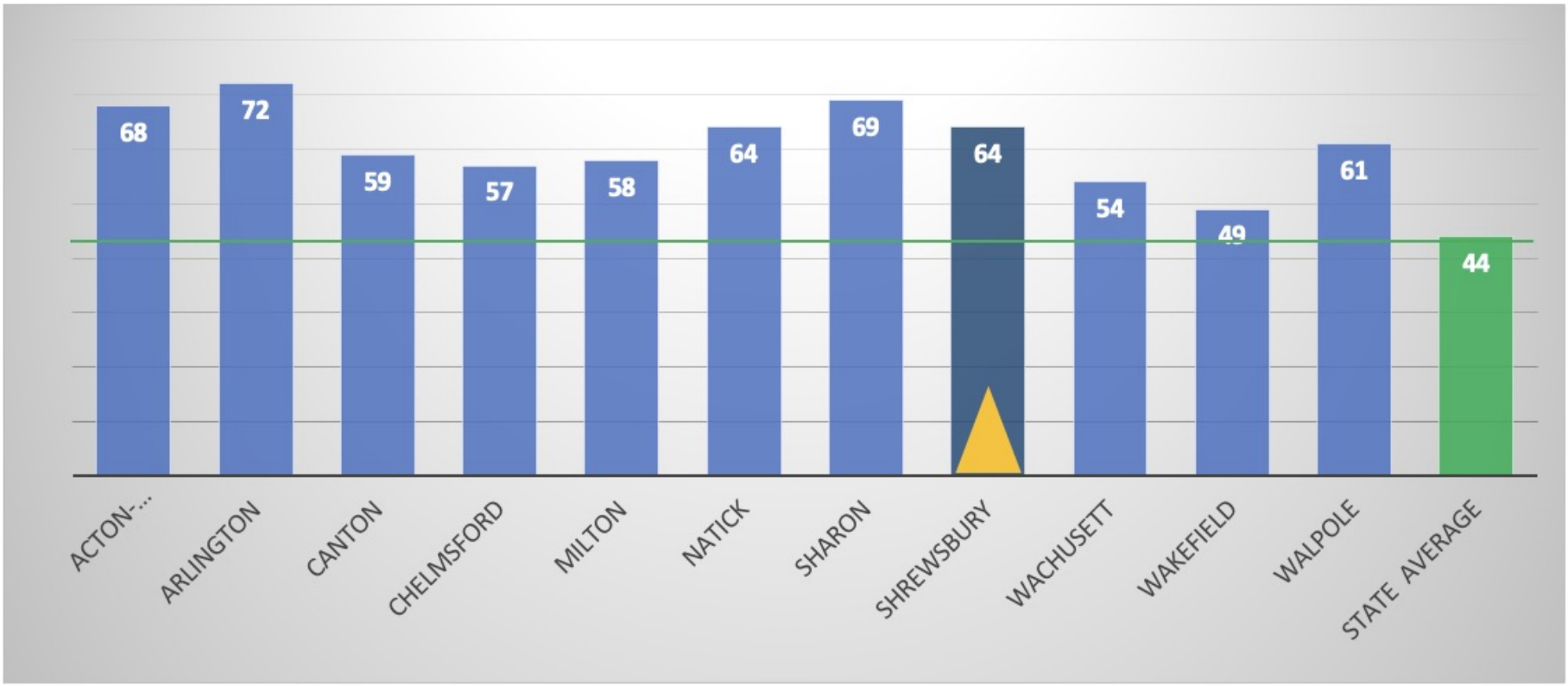
Assabet Valley Collaborative District Comparisons



Percentage of students Meeting or Exceeding Expectations

Next-Gen MCAS ELA / Grade 3

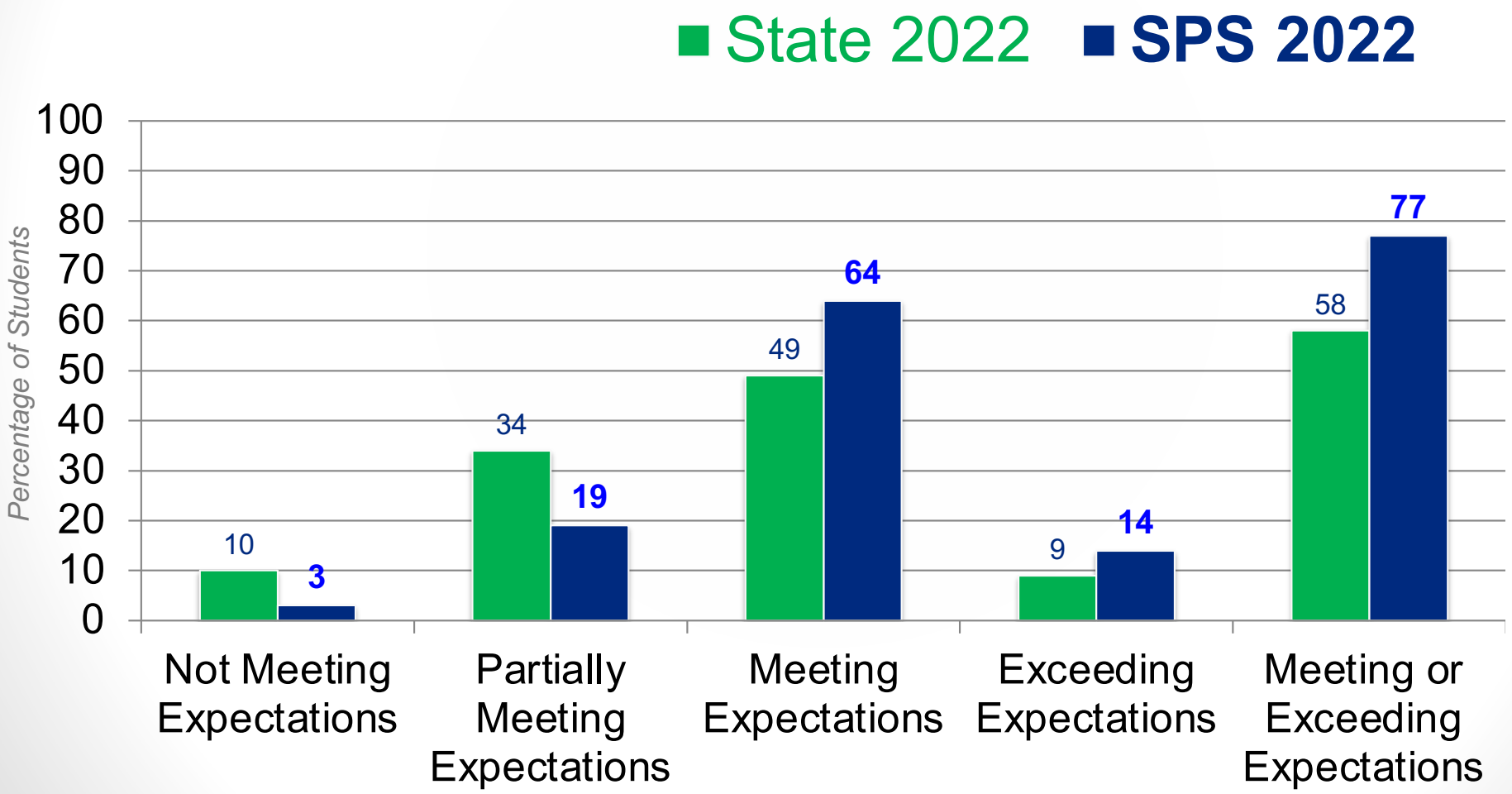
DART District Comparisons



Shrewsbury Public Schools

SHS English Language Arts

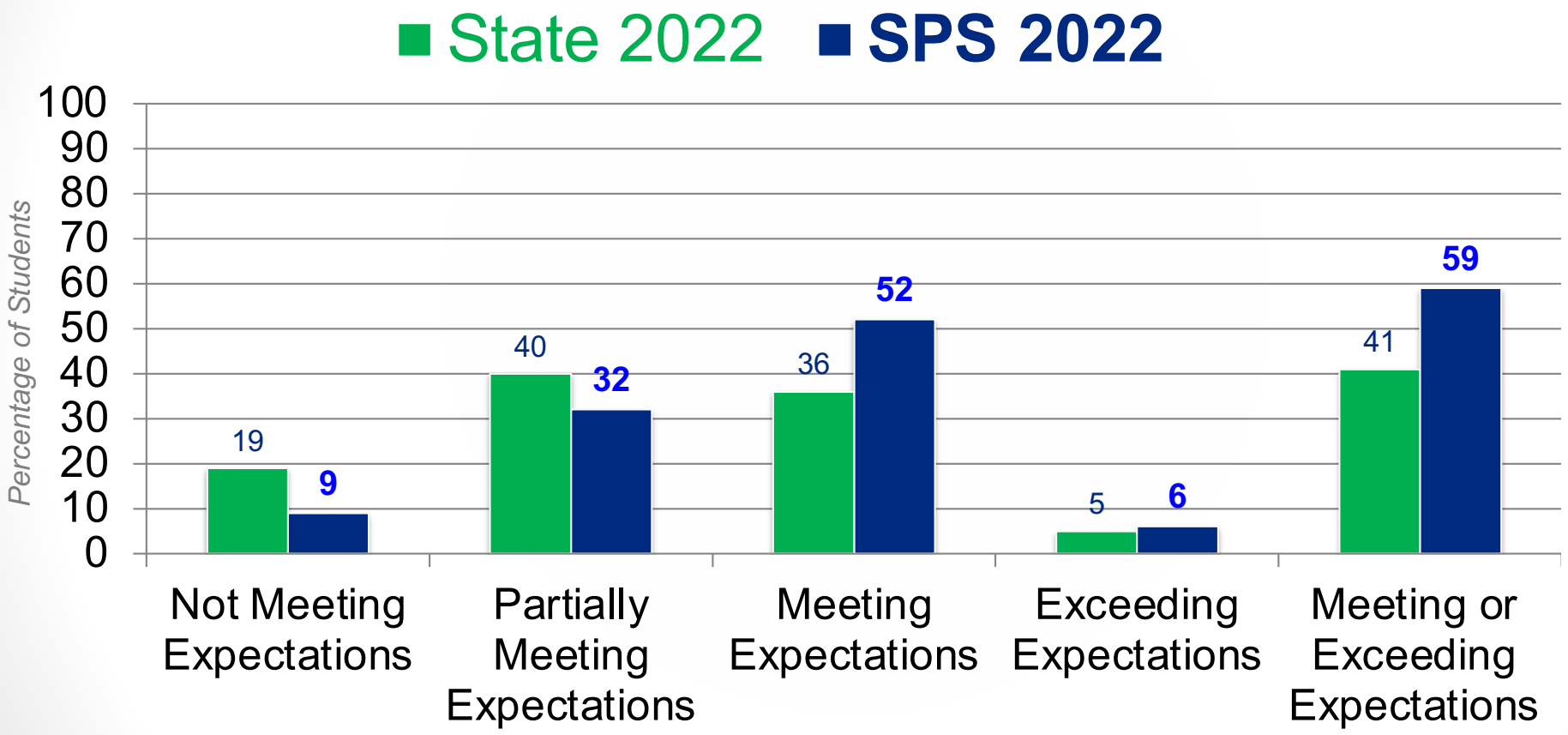
Next Gen MCAS State Assessment Results



Shrewsbury Public Schools

Grade 7 English Language Arts

***Next-Generation* MCAS** State Assessment Results

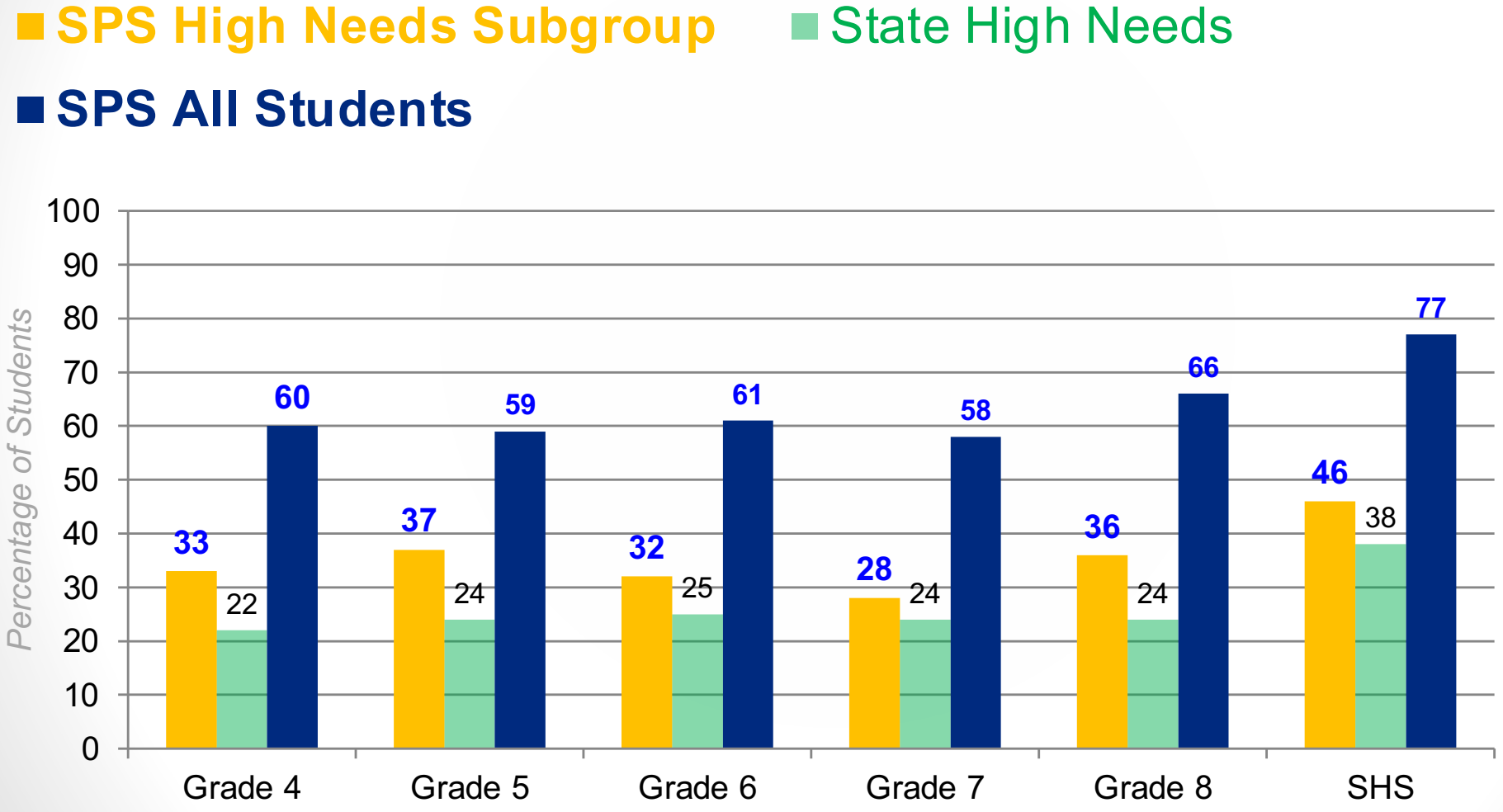


Student performance on the Grade 7 English Language Arts assessment continues to be a good area for further study. Our Curriculum Coordinators, administrators and teacher teams are analyzing data to guide next steps.

English Language Arts

High Needs Subgroup by Grade Level

2022 Percentage of Students Meeting or Exceeding Expectations

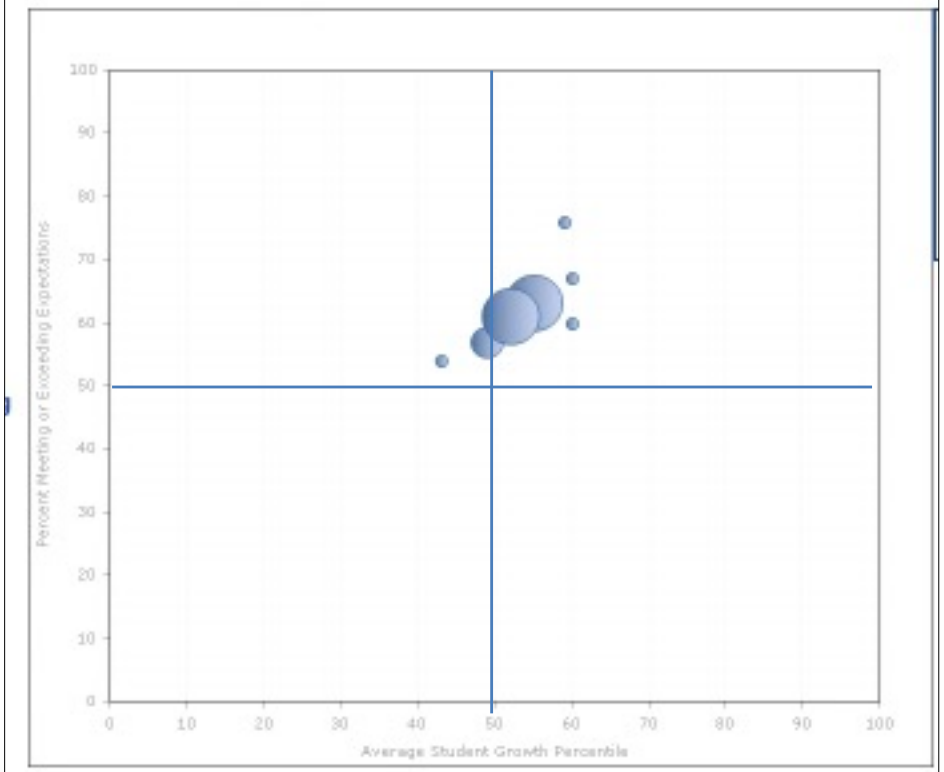


From DESE : ELA Growth Gr 4-8

2022 Next Generation MCAS Student Growth Report - Shrewsbury (02710000)
Subject: ELA - Grade: 4-8

Data Last Updated September 29, 2022. More about the data

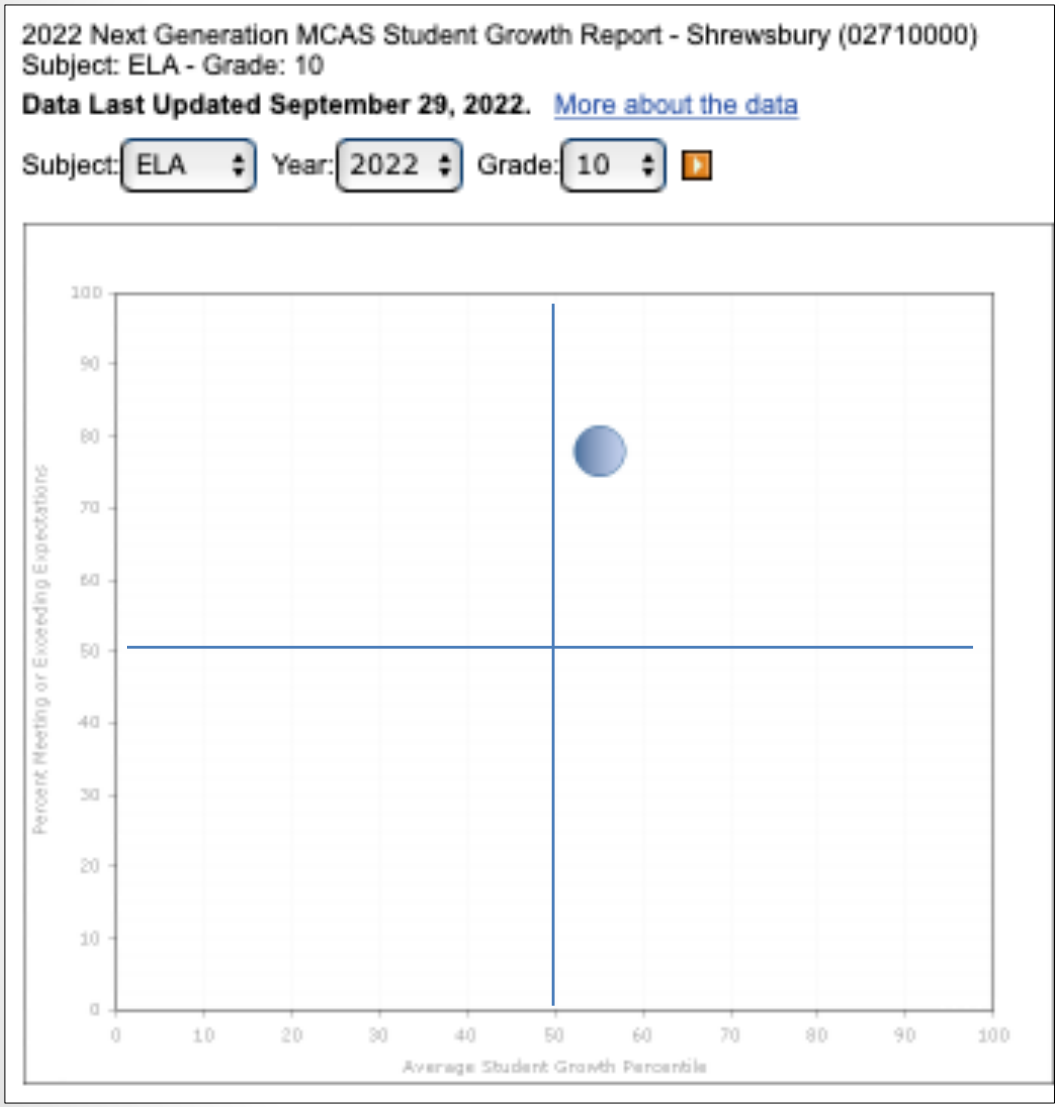
Subject: ELA Year: 2022 Grade: 4-8



School	Avg. SGP	% Meeting or Exceeding Expectations	Included in SGP	Part. Rate %
Calvin Coolidge School	60	60	54	100
Floral Street School	60	67	98	100
Major Howard W. Beal School	49	57	111	100
Oak Middle School	55	63	906	100
Sherwood Middle School	52	61	886	99
Spring Street School	59	76	62	100
Walter J. Paton School	43	54	72	99

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

From DESE : ELA Growth Gr. 10

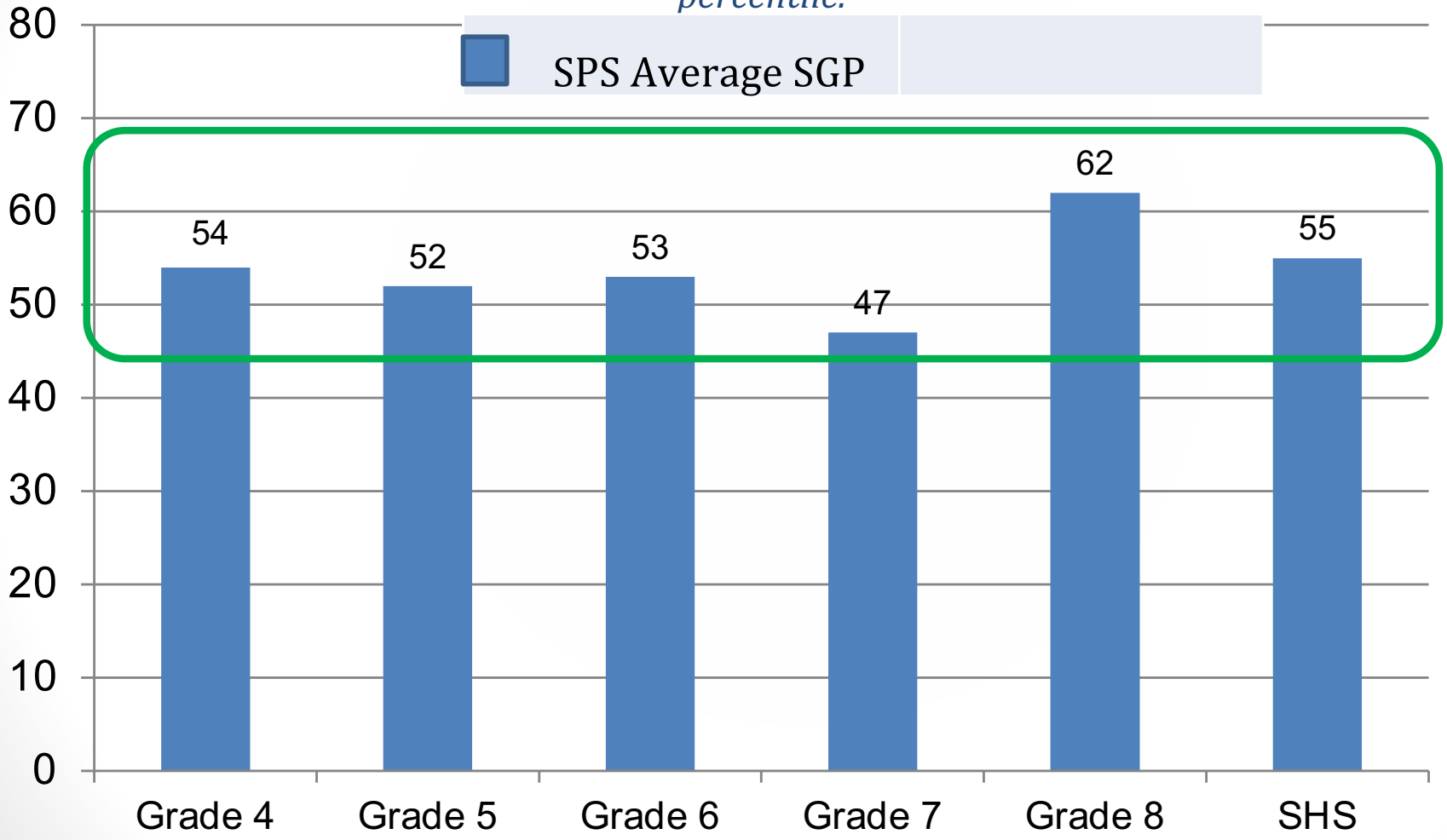


- The state defines *moderate* (or expected) growth to be between the 40th-60th percentile, with *low growth* as below the 40th percentile and *high growth* as above the 60th percentile.
- Average SGP for ELA at SHS is 55.

English Language Arts

2022 Student Growth Percentiles (SGP)

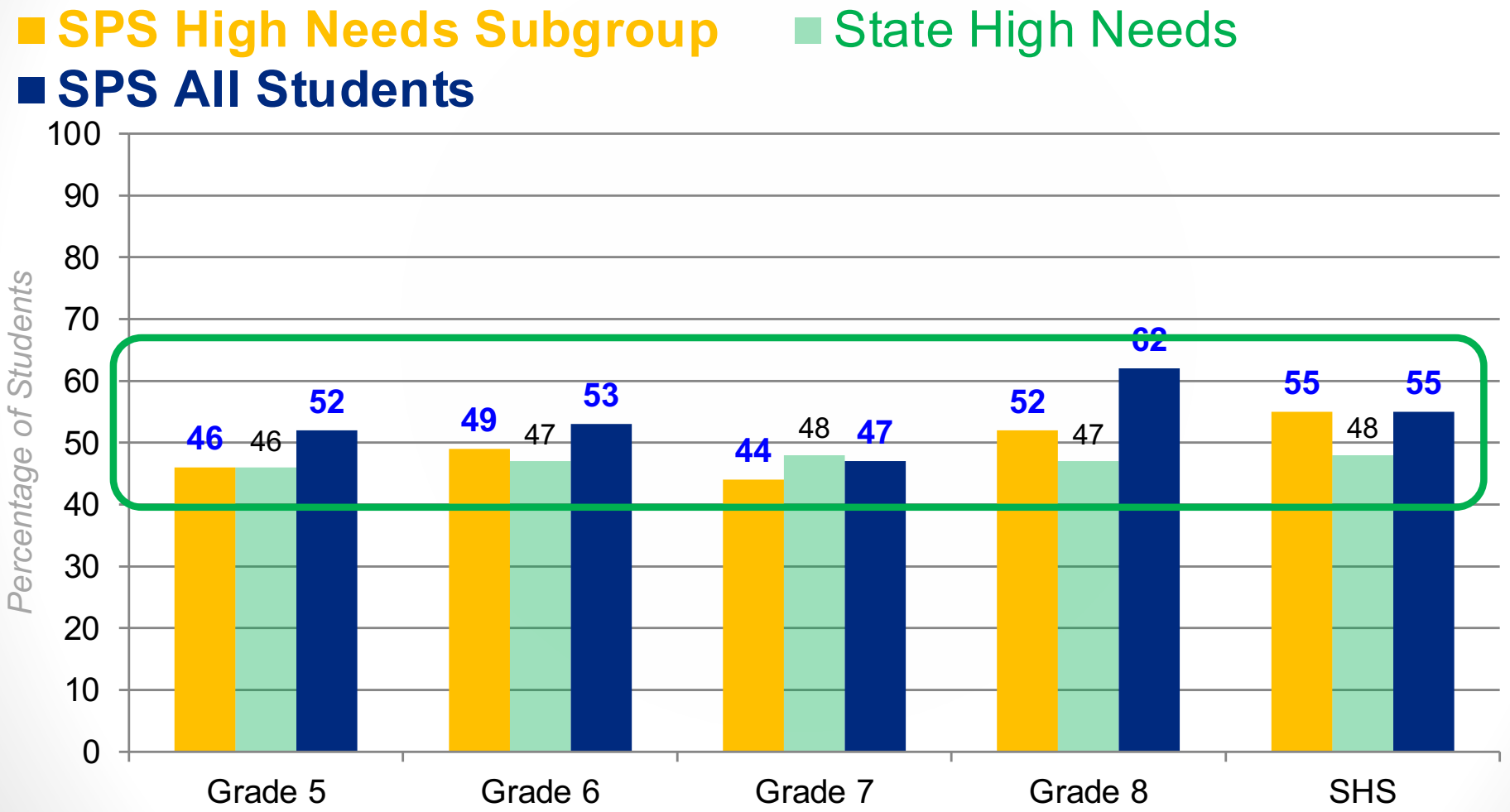
*The state defines moderate (or expected) growth to be between the **40-60** percentile, with low growth as below the 40th percentile and high growth as above the 60th percentile.*



English Language Arts

High Needs Subgroup by Grade Level

2022 Student Growth Percentiles (SGP)



Staff look closely at the achievement gap between the high needs subgroup and the "all students" group. While the SPS high needs subgroup consistently outperformed the state, there is still a lot of progress to be made in this area.

Next Steps

Use the data.

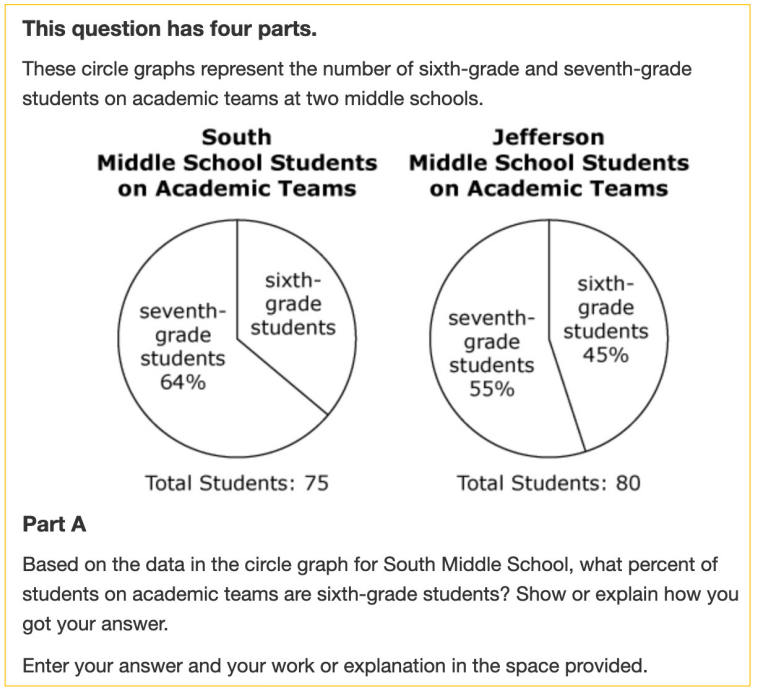
- Use district, school, and student level results to identify skills and needs
- Calibrate district assessments and report cards—to align with state standards

Collaborate across levels.

- Discuss best practices and share resources
- Calibrate instruction

Work with district leaders to monitor student progress.

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



This question has four parts.

These circle graphs represent the number of sixth-grade and seventh-grade students on academic teams at two middle schools.

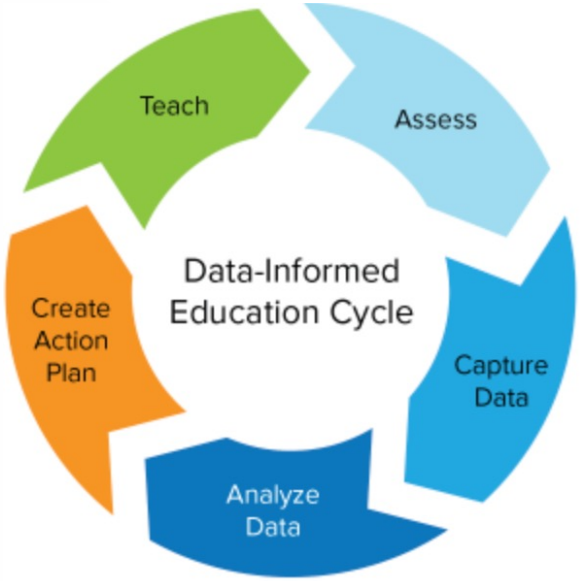
Part A

Based on the data in the circle graph for South Middle School, what percent of students on academic teams are sixth-grade students? Show or explain how you got your answer.

Enter your answer and your work or explanation in the space provided.

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?