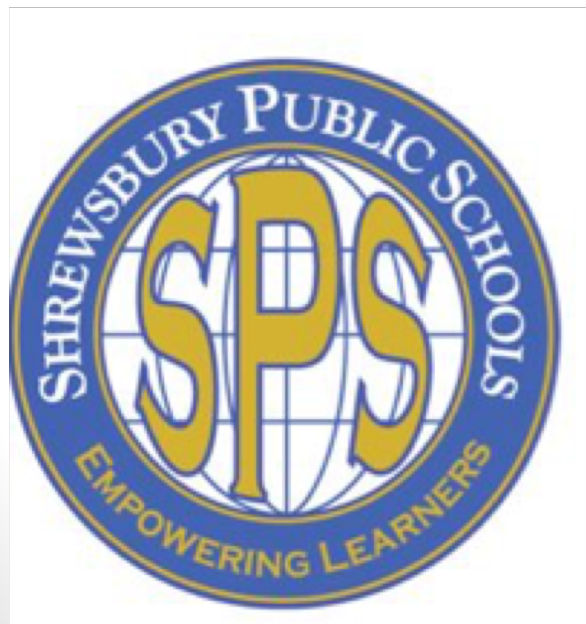


Shrewsbury Public Schools **State Assessment** **Update**



Report to School Committee
November, 2018

as·sess

/ə'ses/ 

verb

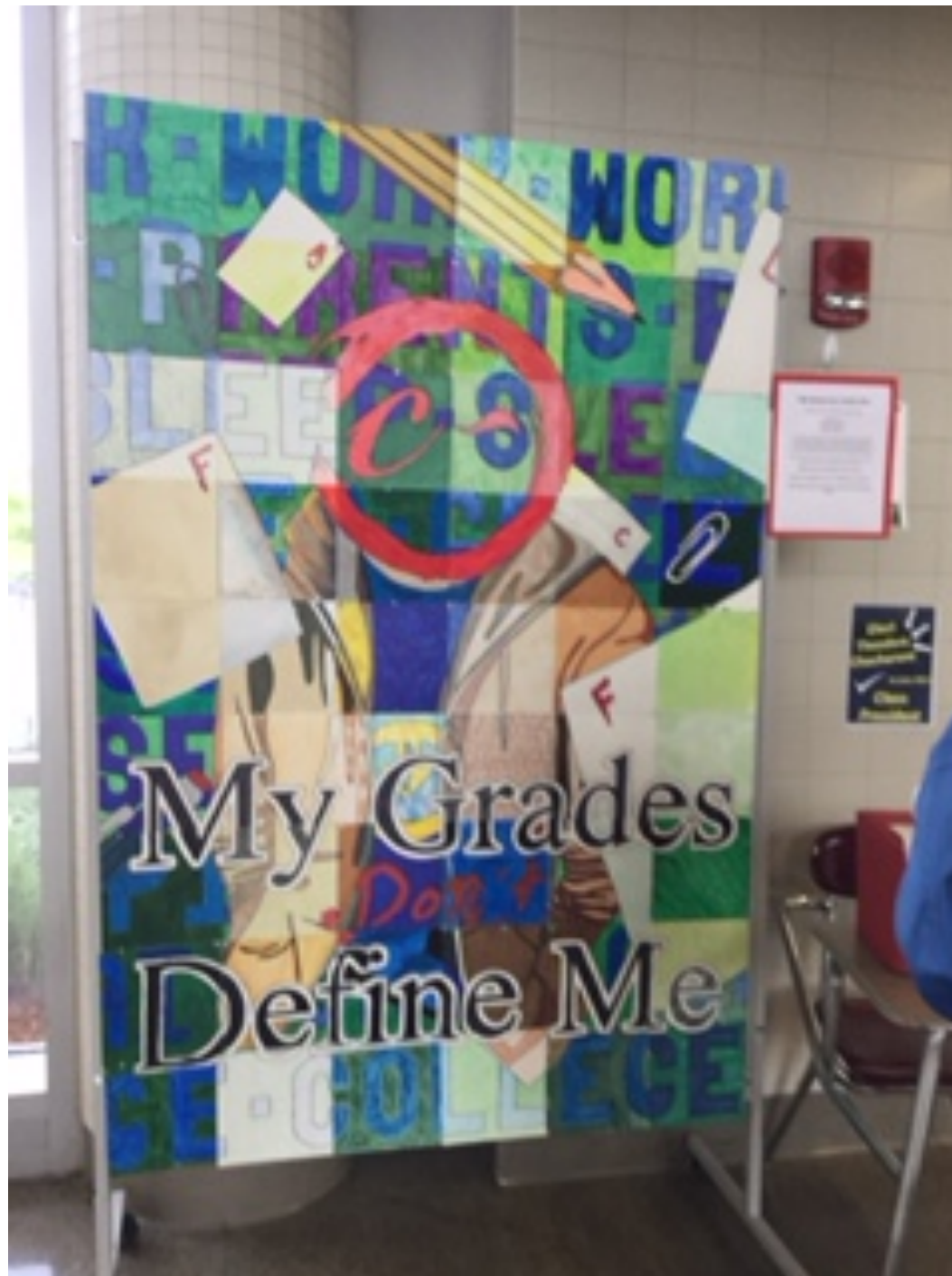
evaluate or estimate the nature, ability, or quality of.



The Vision

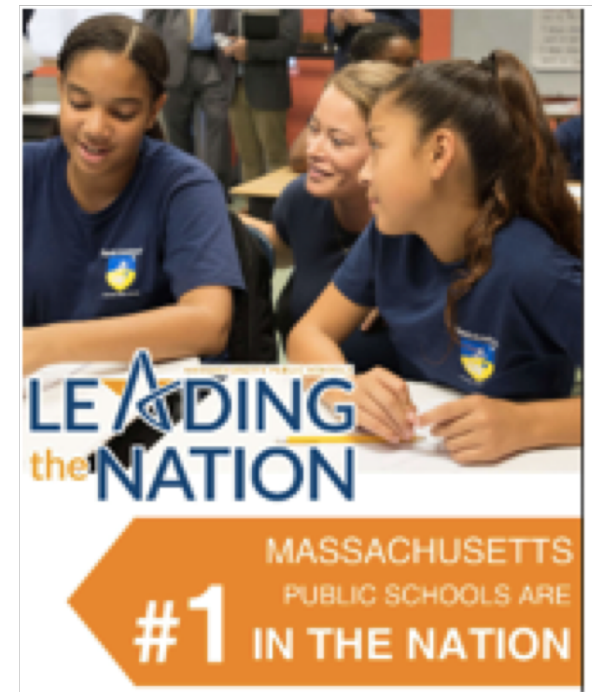
SHREWSBURY PUBLIC SCHOOLS PORTRAIT OF A GRADUATE





What is the Next-Gen MCAS?

- Increased rigor: Focuses on students' **critical thinking abilities, application of knowledge**, and ability to make **connections between reading and writing**
- Administered on a **computer**
- Designed to send a **clearer signal of readiness** for the next grade level or college and career



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*

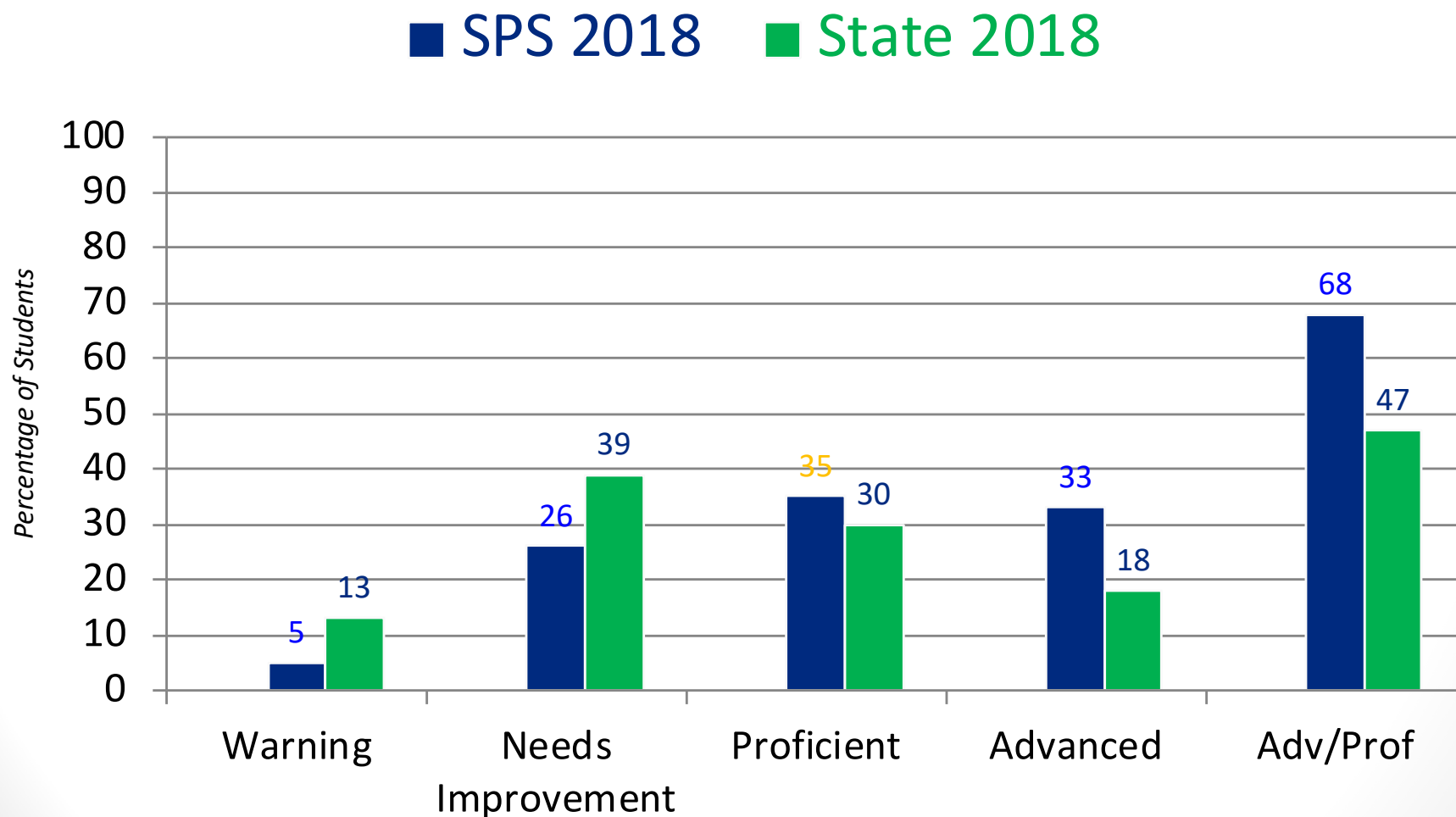


Science and Technology/Engineering



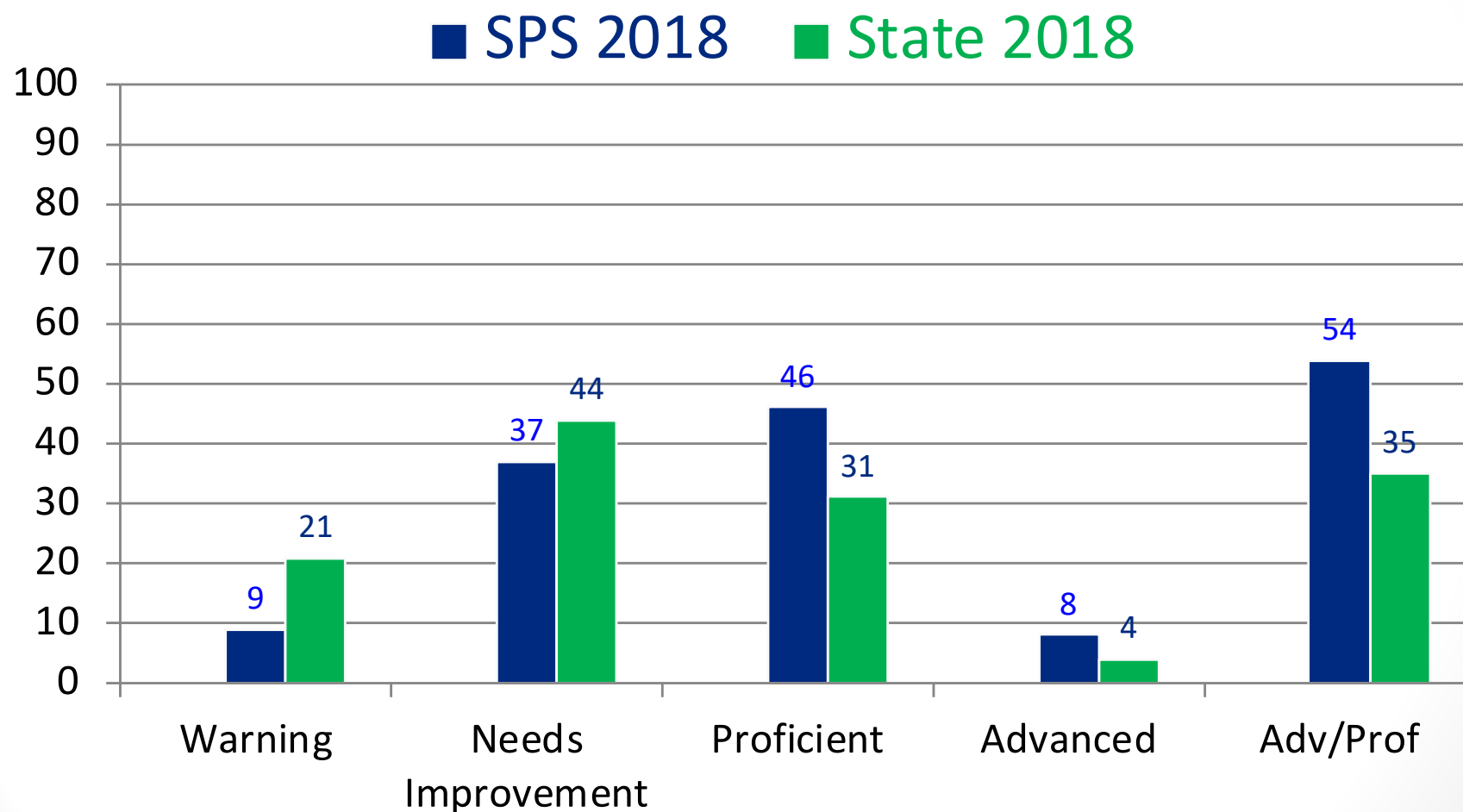
Grade 5 Science & Technology

2018 (Legacy) MCAS Test Results



Grade 8 Science & Technology

2018 (Legacy) MCAS Test Results

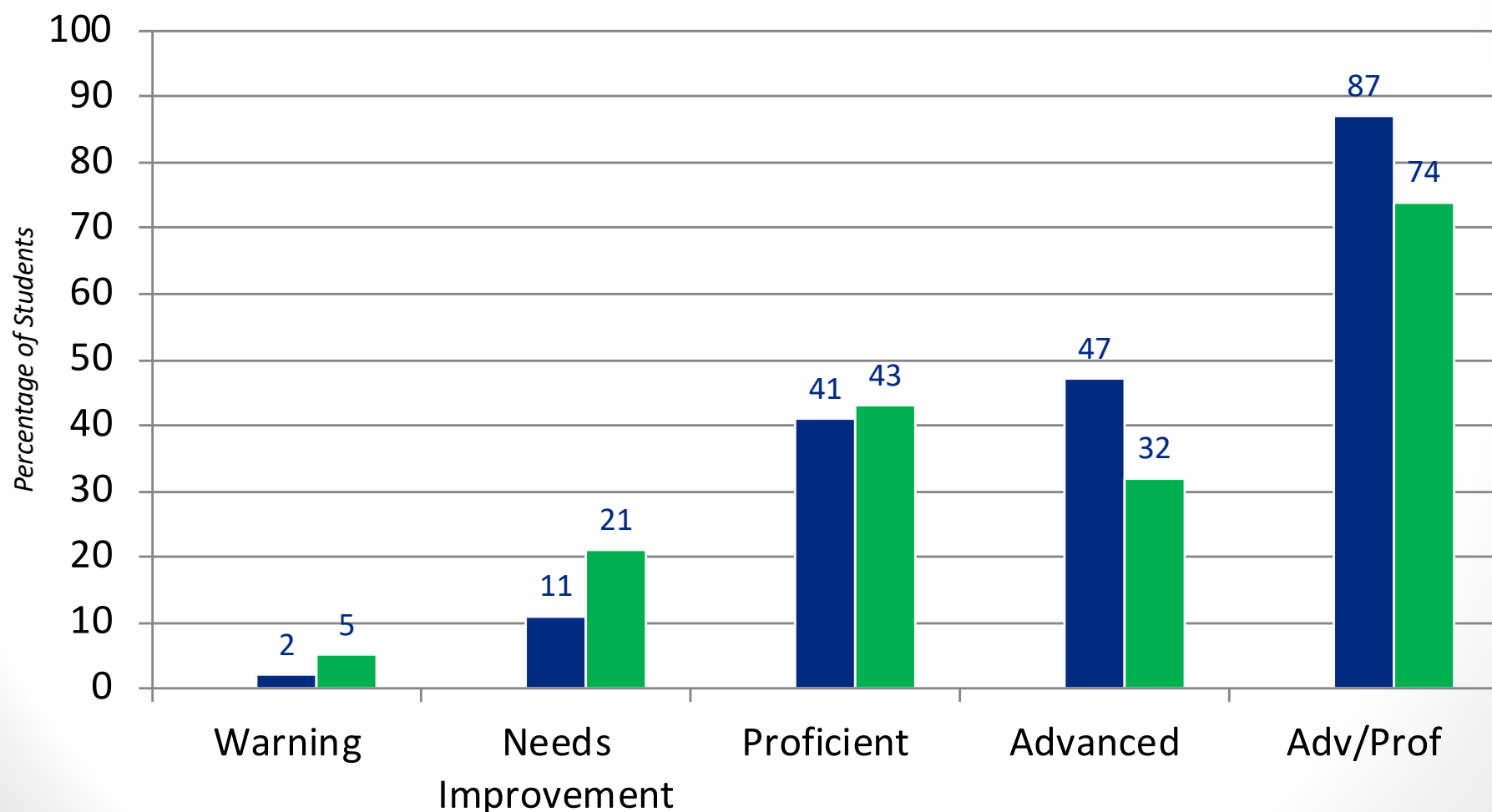


SHS Science & Technology

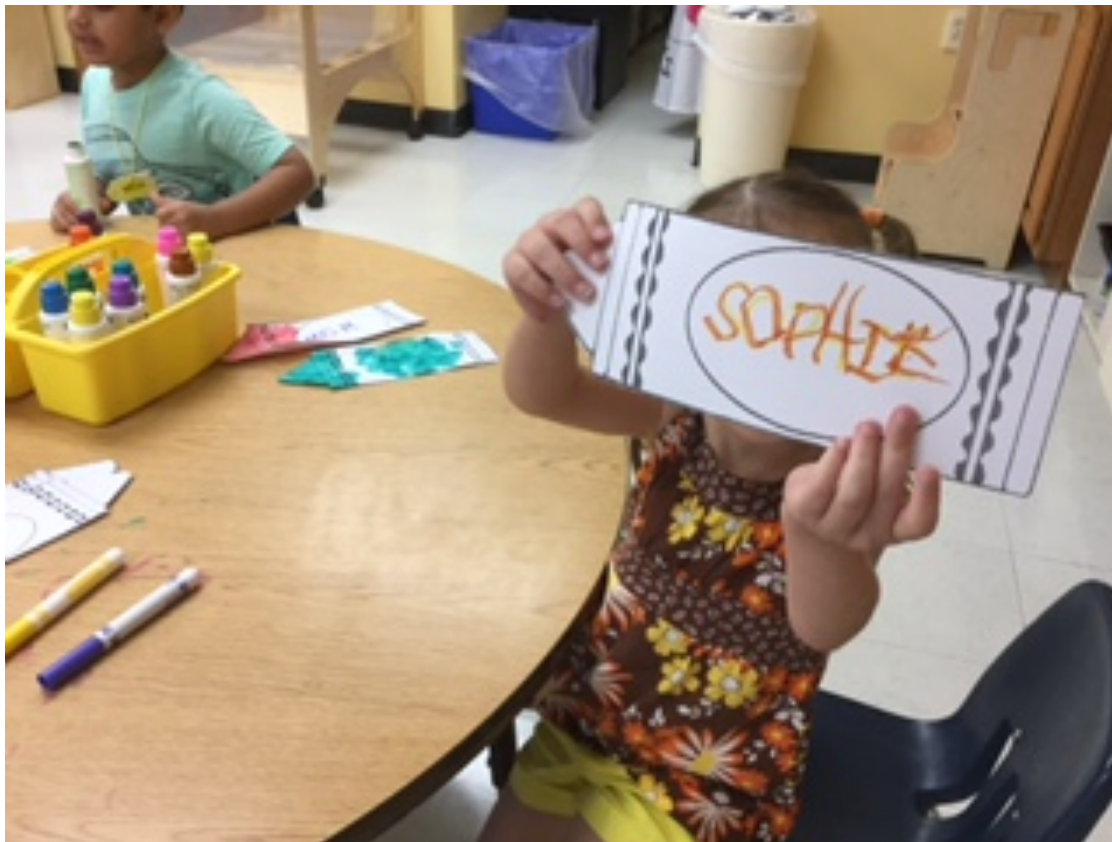
2018 (Legacy) MCAS.

State Assessment Results

■ SPS 2018 ■ State 2018



English Language Arts

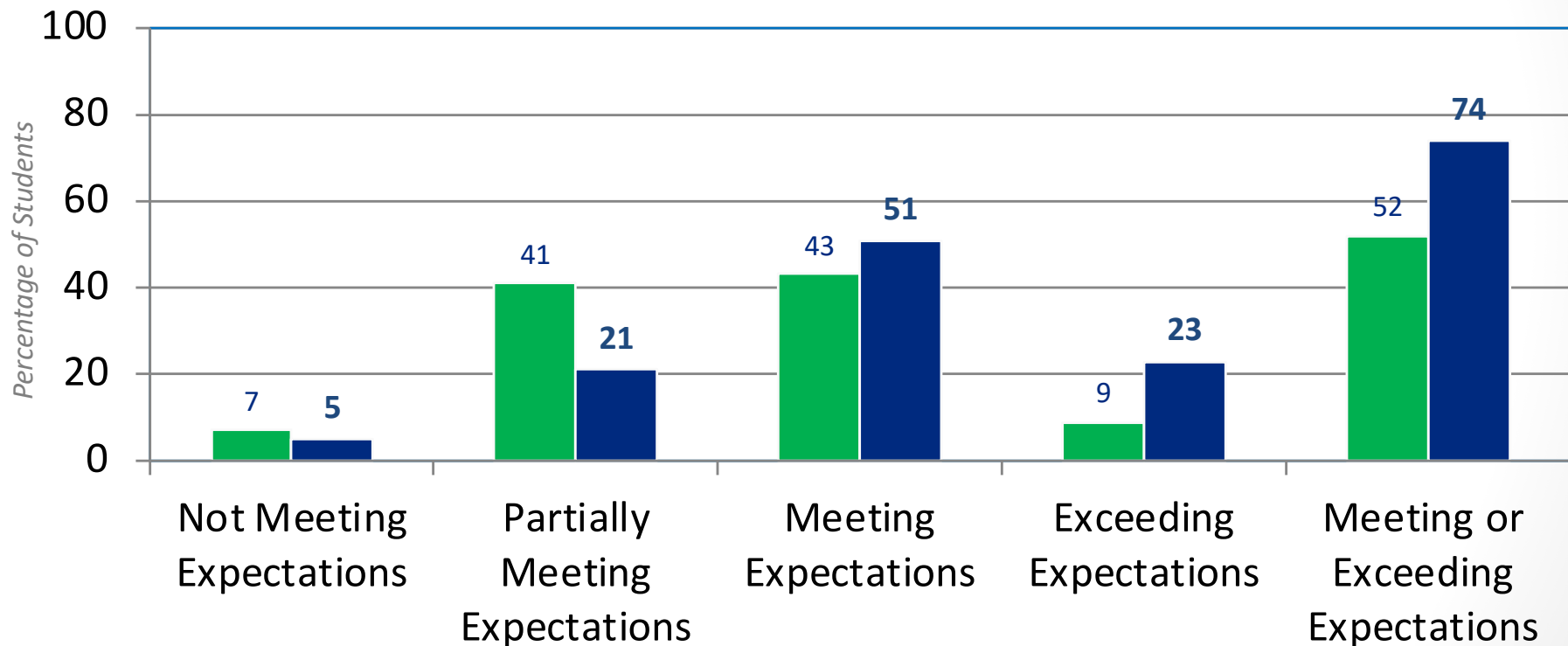


Grade 3 English Language Arts

2018 *Next-Generation* MCAS

State Assessment Results

■ State 2018 ■ SPS 2018



This slide (and the following slides for each grade level) indicate SPS grade-level results for the next-generation MCAS. The light green bar indicates the 2018 state percentages, and the blue bar indicates Shrewsbury's percentages in each category.

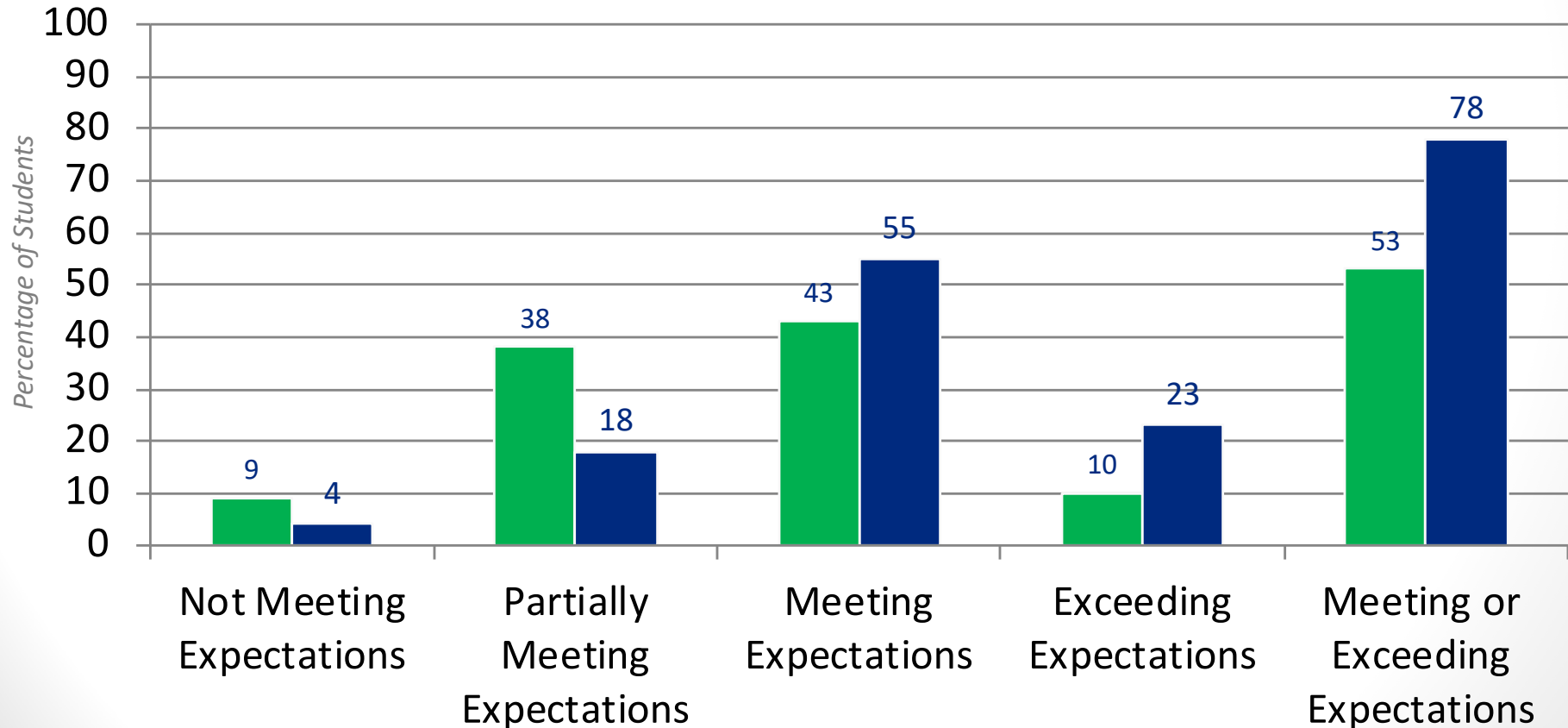
Shrewsbury Public Schools

Grade 4 English Language Arts

2018 *Next-Generation MCAS*

State Assessment Results

■ State 2018 ■ SPS 2018

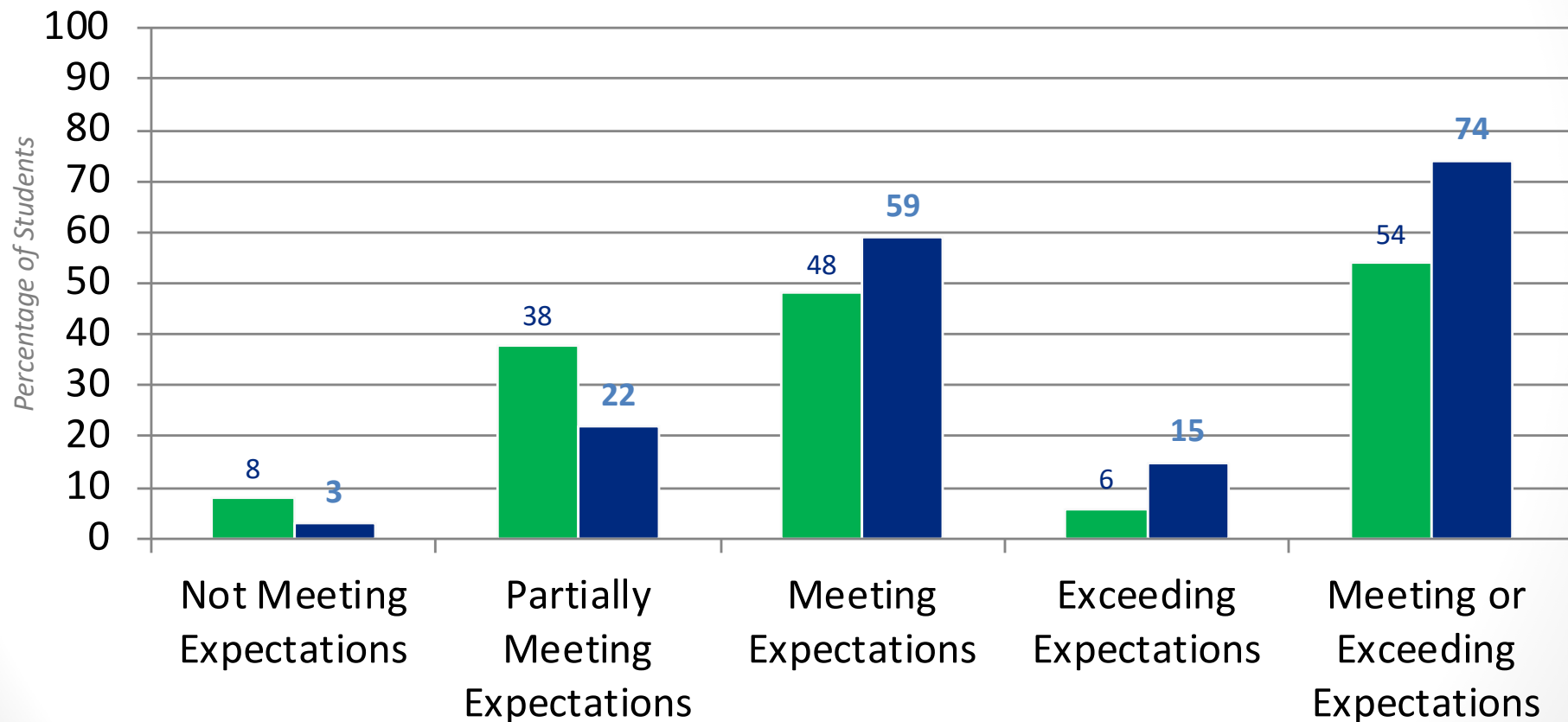


Grade 5 English Language Arts

2018 Next-Generation MCAS

State Assessment Results

■ State 2018 ■ SPS 2018



As before, Grade 5's results look very similar to those of Grades 3 and 4.

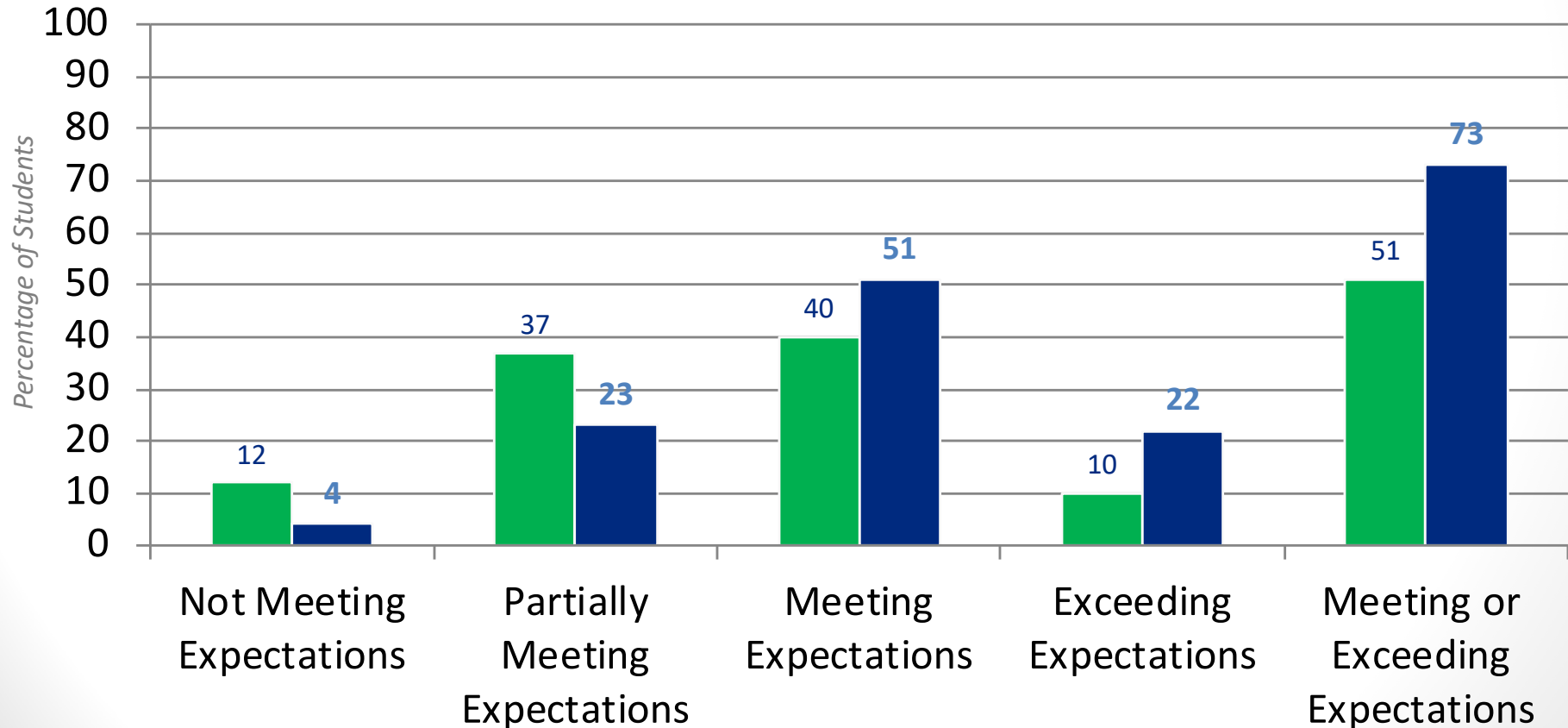
Shrewsbury Public Schools

Grade 6 English Language Arts

2018 *Next-Generation MCAS*

State Assessment Results

■ State 2018 ■ SPS 2018

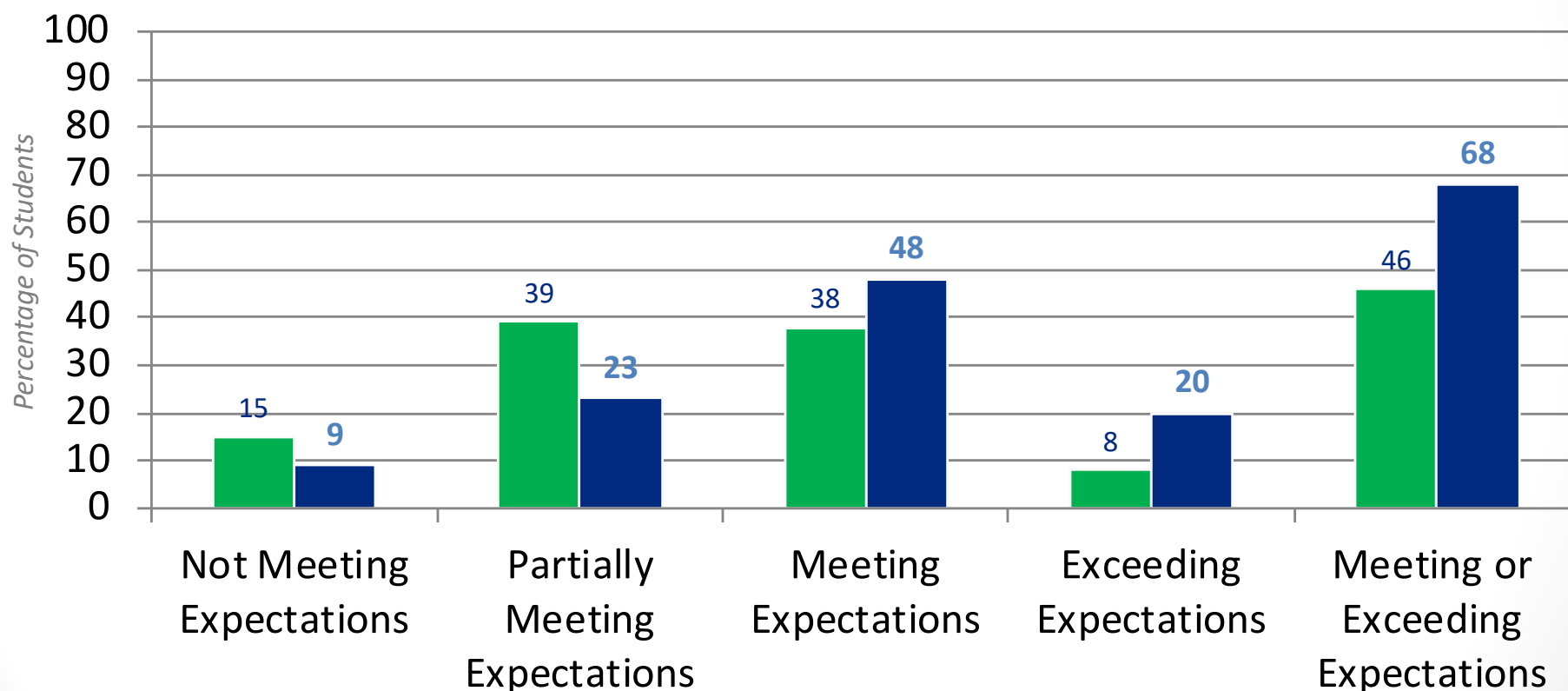


Grade 7 English Language Arts

2018 Next-Generation MCAS

State Assessment Results

■ State 2018 ■ SPS 2018



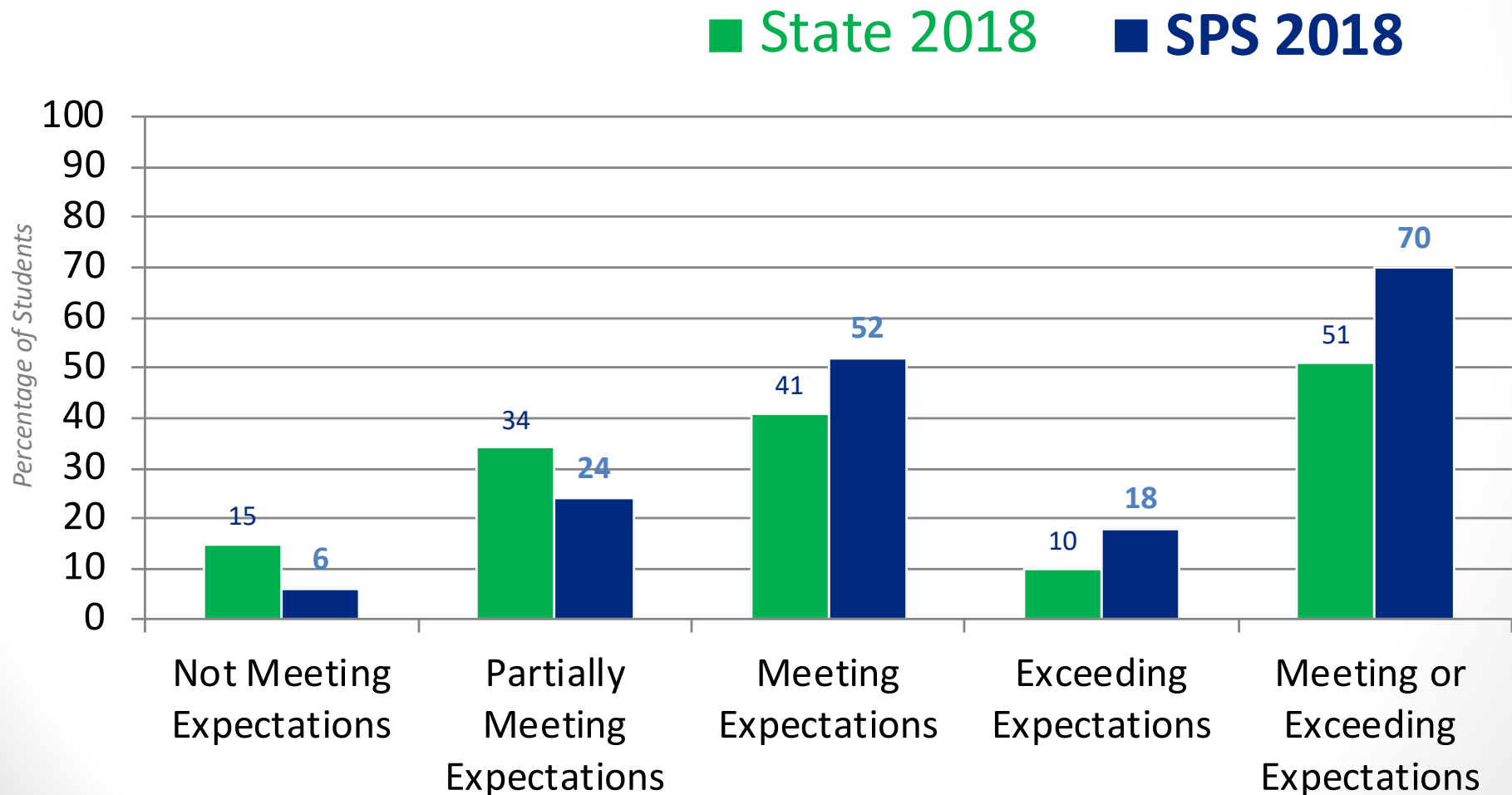
Given how similar this year's results are to last year for Grade 7, student performance on the English Language Arts assessment seems to be a good area for further study. Our Curriculum coaches, administrators and teacher leaders are analyzing data to guide next steps.

Shrewsbury Public Schools

Grade 8 English Language Arts

2018 Next-Generation MCAS

State Assessment Results



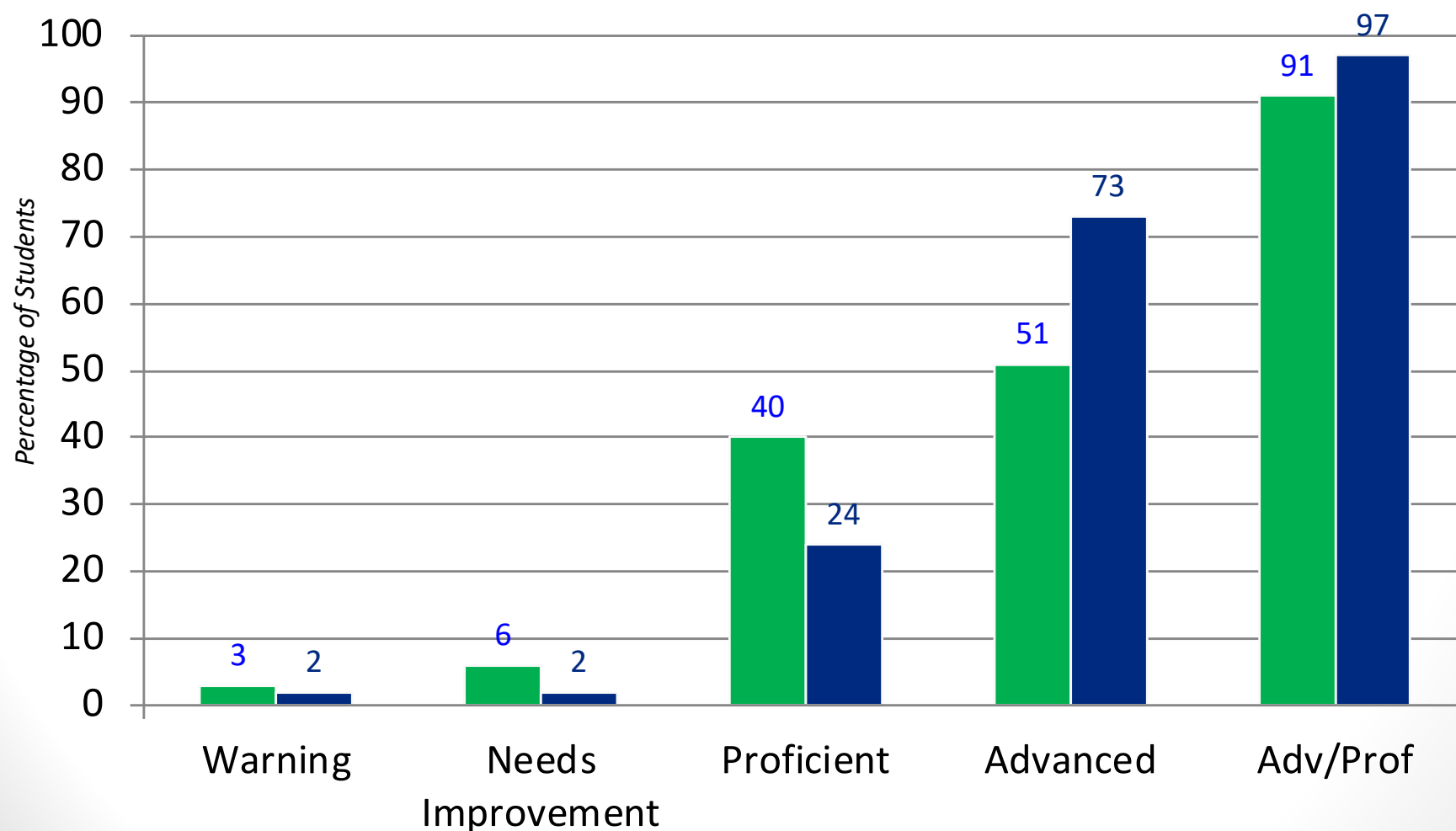
(18)

SHS English Language Arts

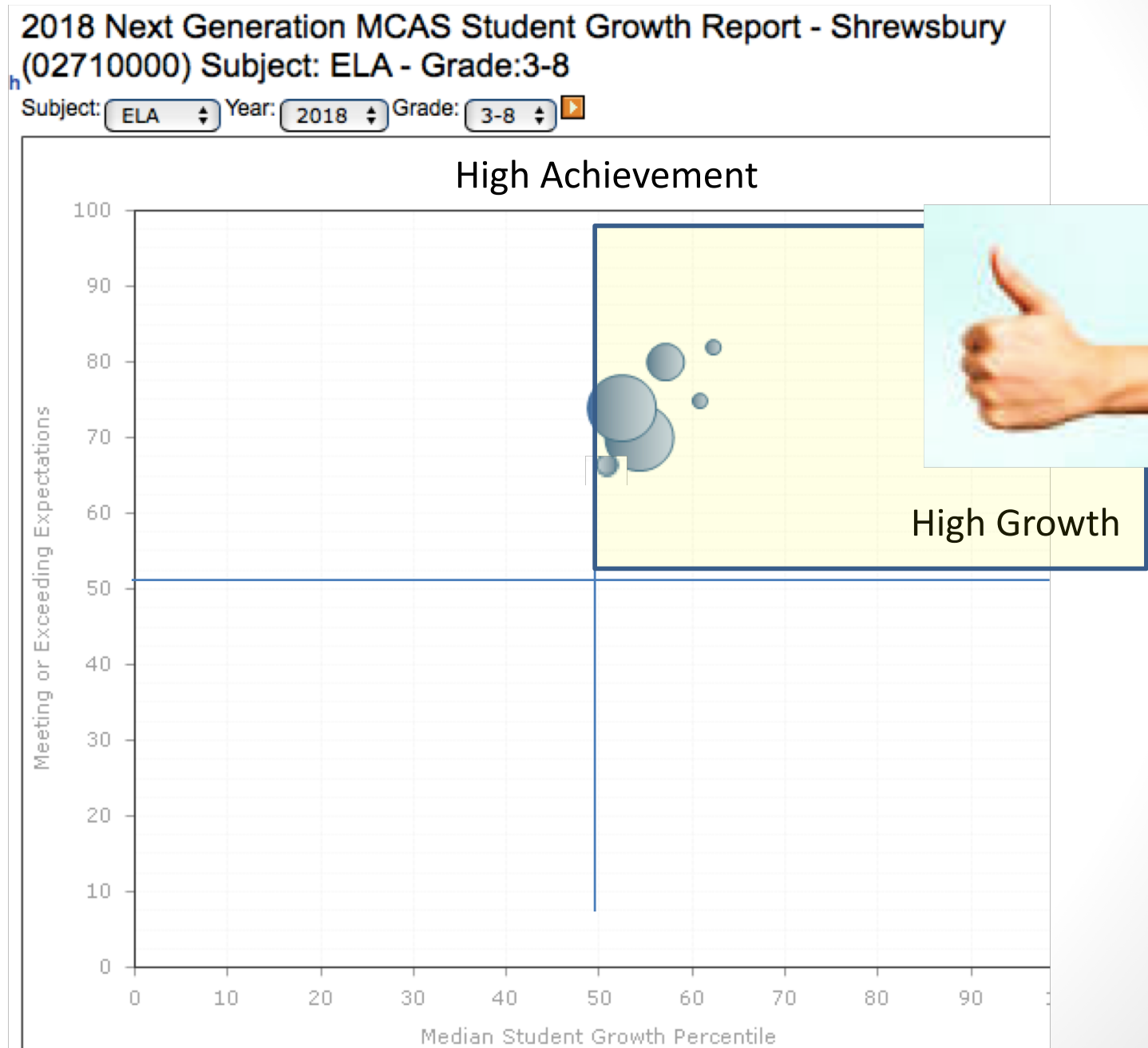
2018 (Legacy) MCAS

State Assessment Results

■ State 2018 ■ SPS 2018



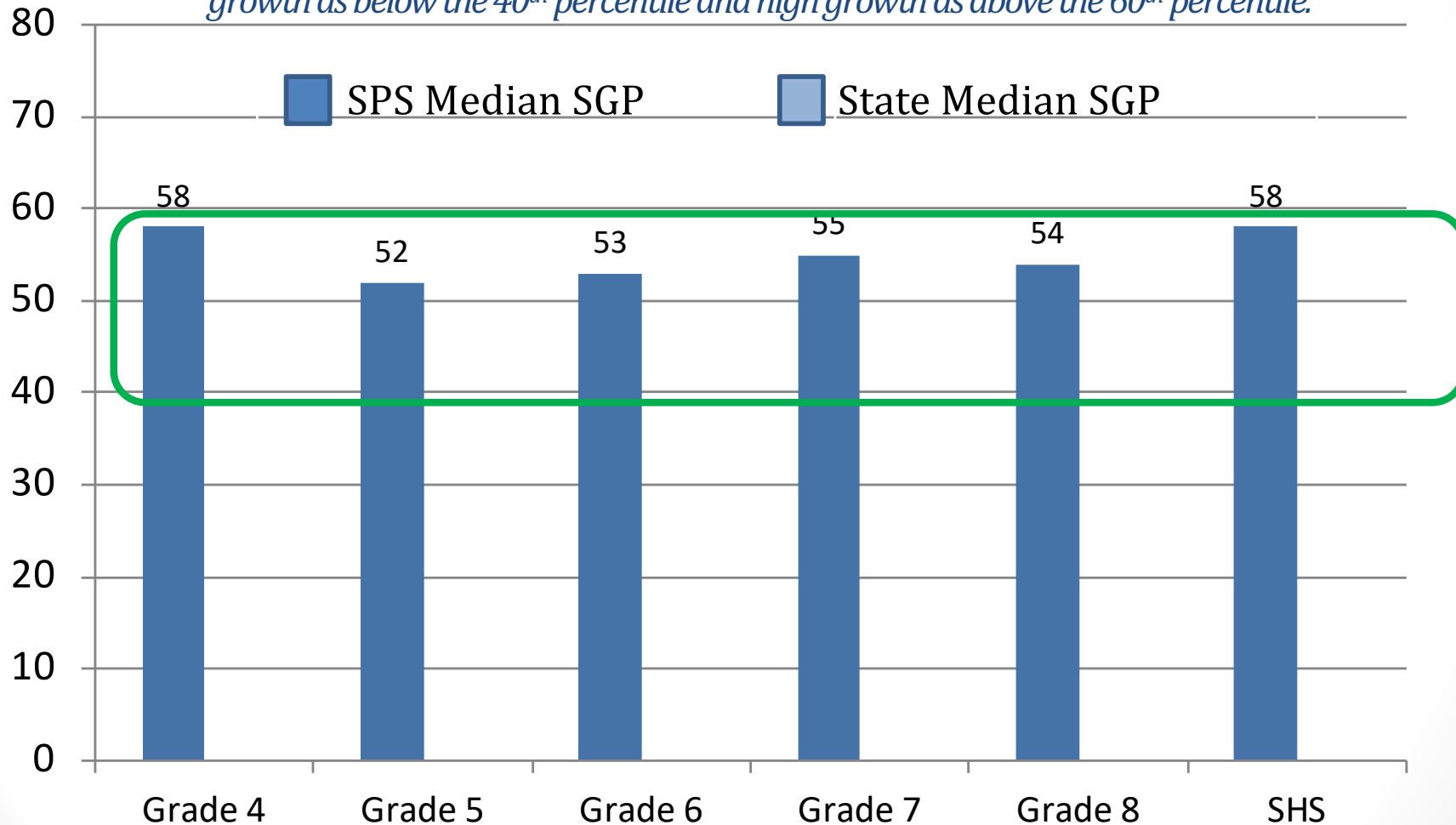
From DESE : ELA Growth Gr 3-8



English Language Arts

2018 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.

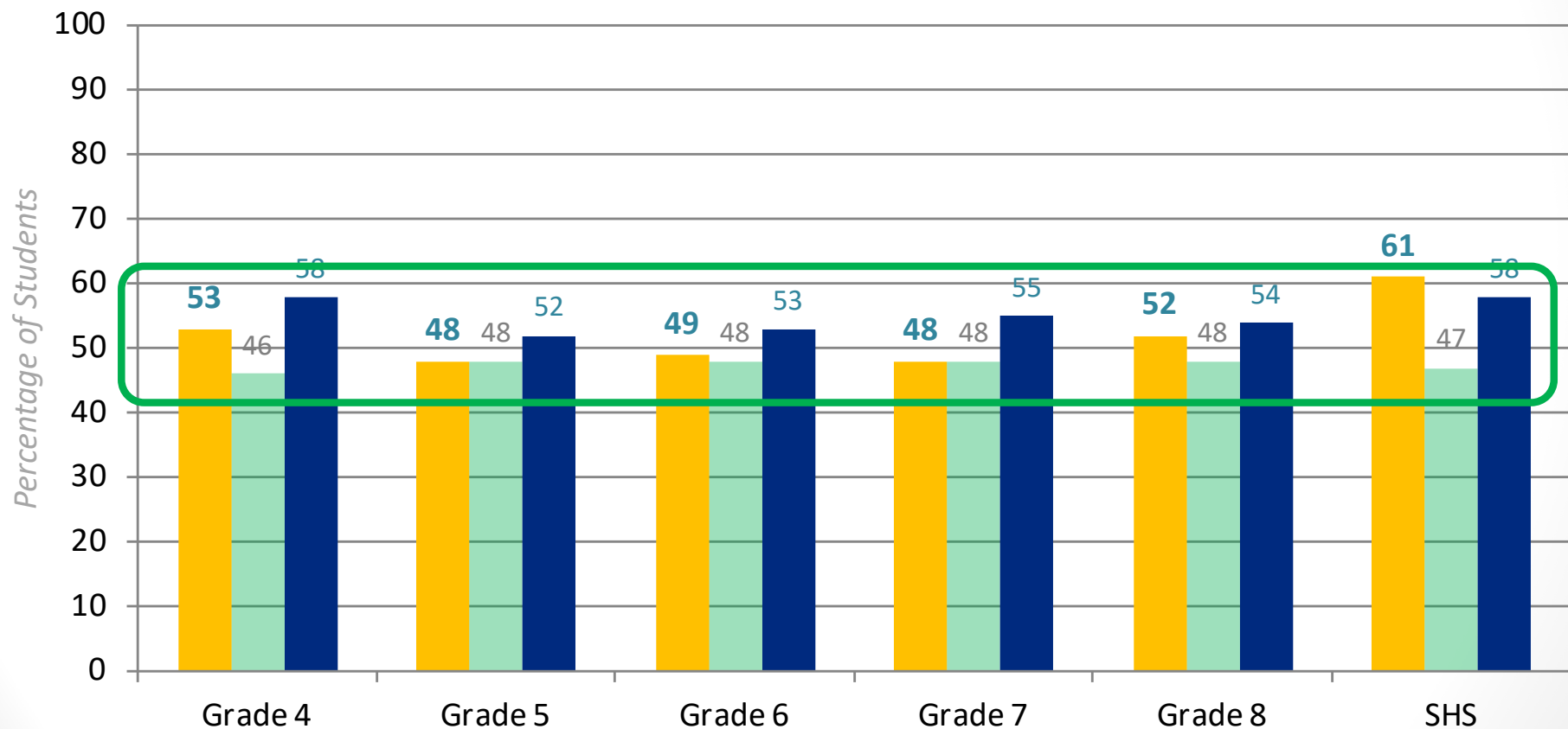


English Language Arts

High Needs Subgroup by Grade Level

2018 Student Growth Percentiles (SGP)

■ SPS High Needs Subgroup ■ State High Needs ■ SPS All Students



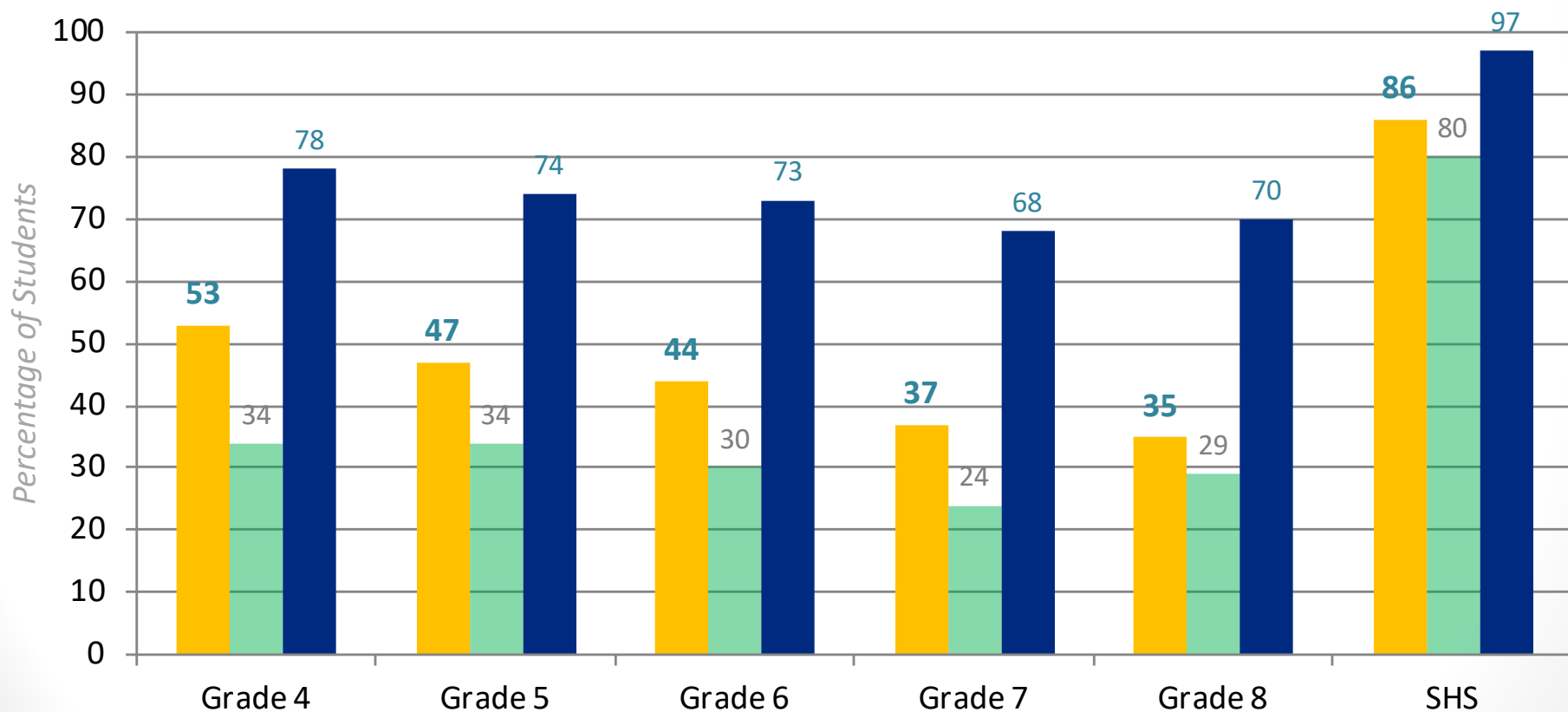
Staff look closely at the achievement gap between the high needs subgroup and the “all students” group. While the SPS high needs subgroup consistently outperformed the state,, there is still a lot of progress to be made in this area.

English Language Arts

High Needs Subgroup by Grade Level

2018 Percentage of Students Meeting or Exceeding Expectations

■ SPS High Needs Subgroup ■ State High Needs ■ SPS All Students



Mathematics



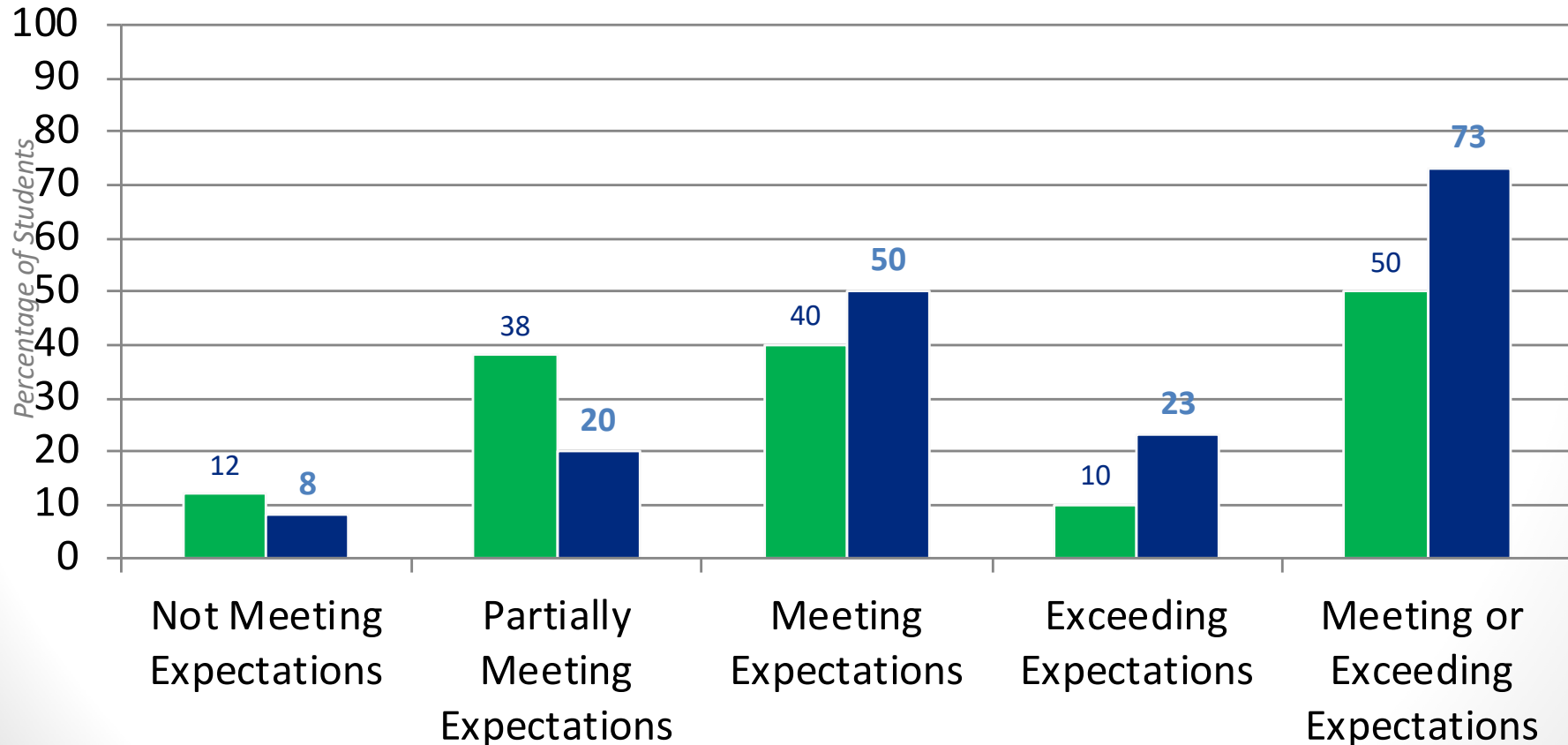
Shrewsbury Public Schools

Grade 3 Mathematics

2018 *Next-Generation* MCAS

State Assessment Results

■ State 2018 ■ SPS 2018



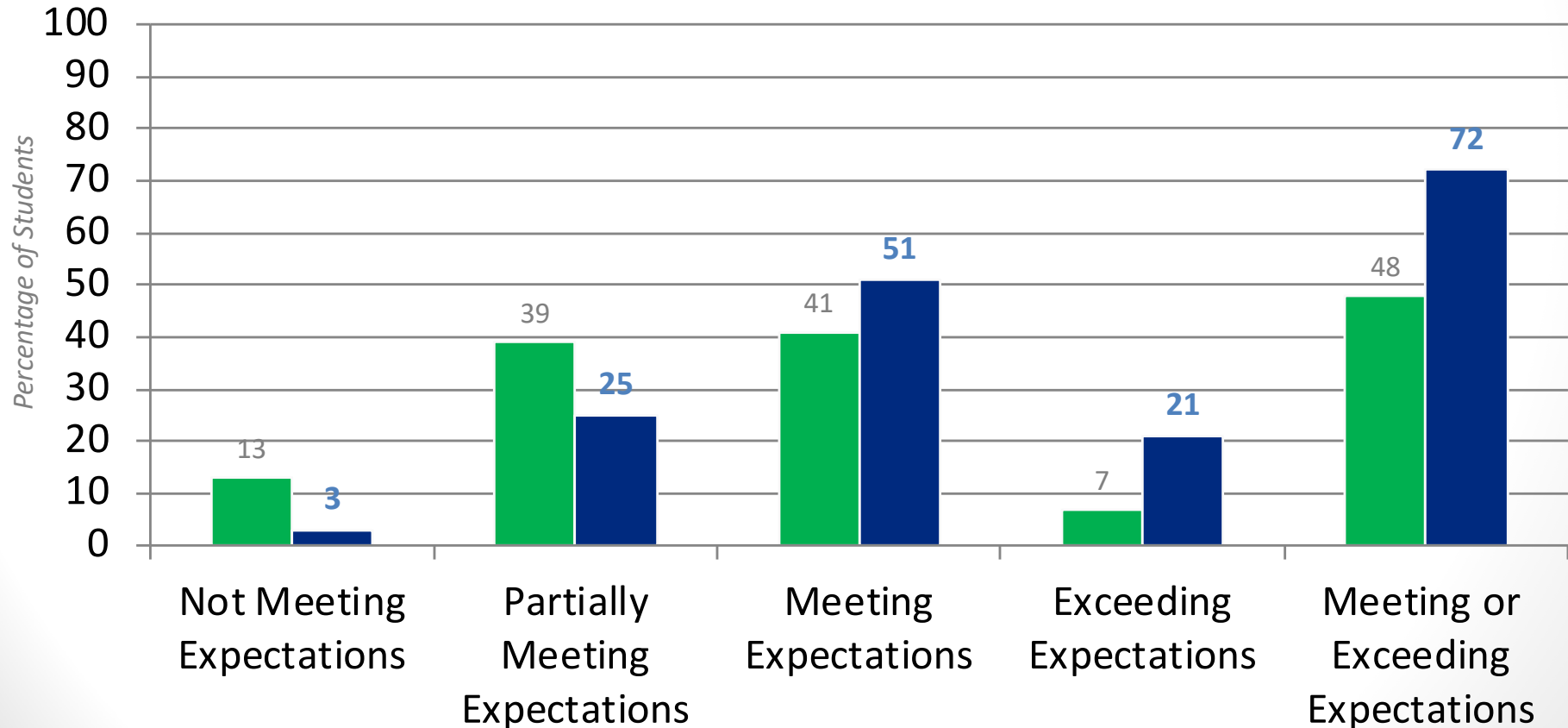
Shrewsbury Public Schools

Grade 4 Mathematics

2018 Next-Generation MCAS

State Assessment Results

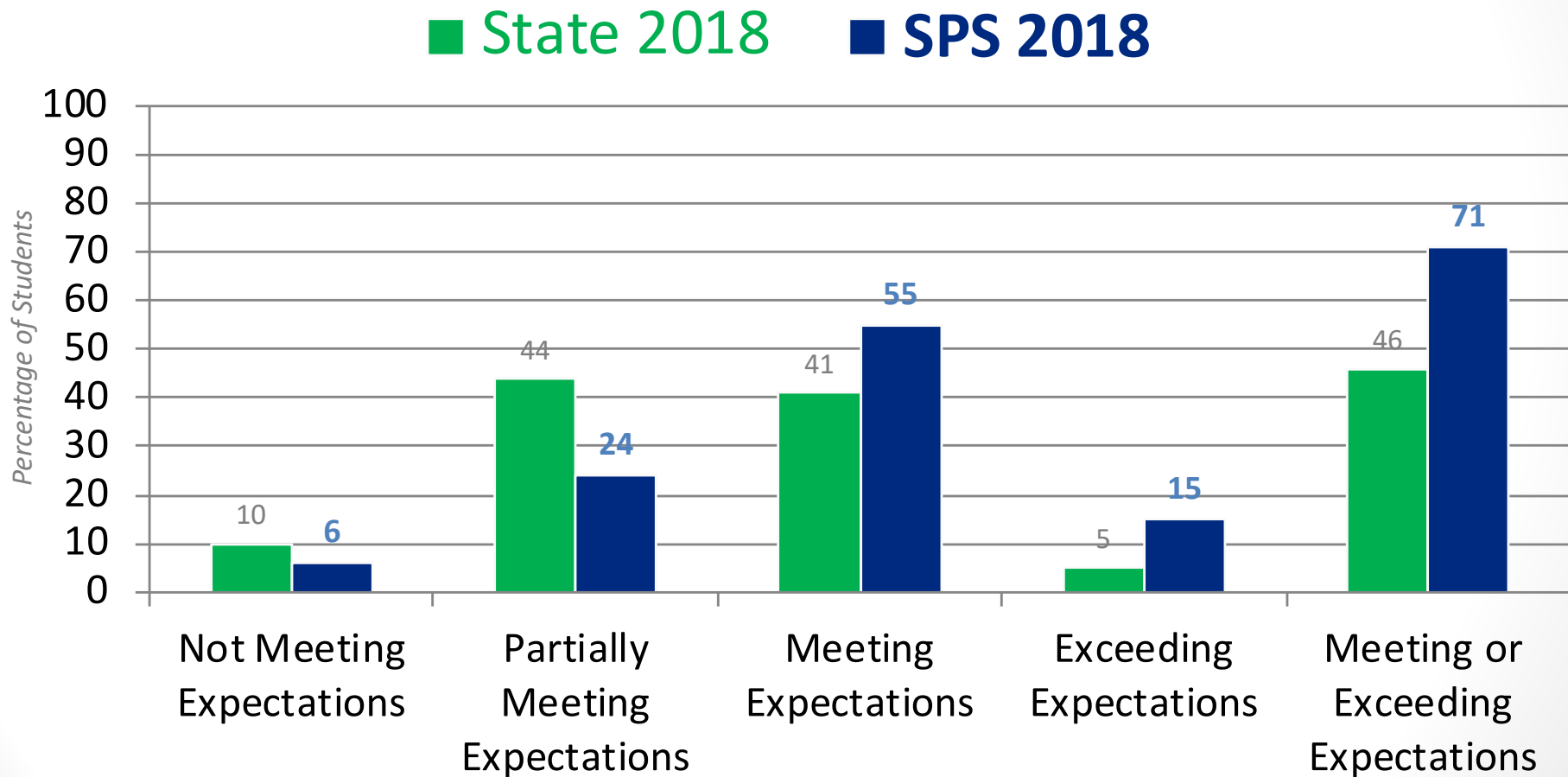
■ State 2018 ■ SPS 2018



Grade 5 Mathematics

2018 *Next-Generation* MCAS

State Assessment Results



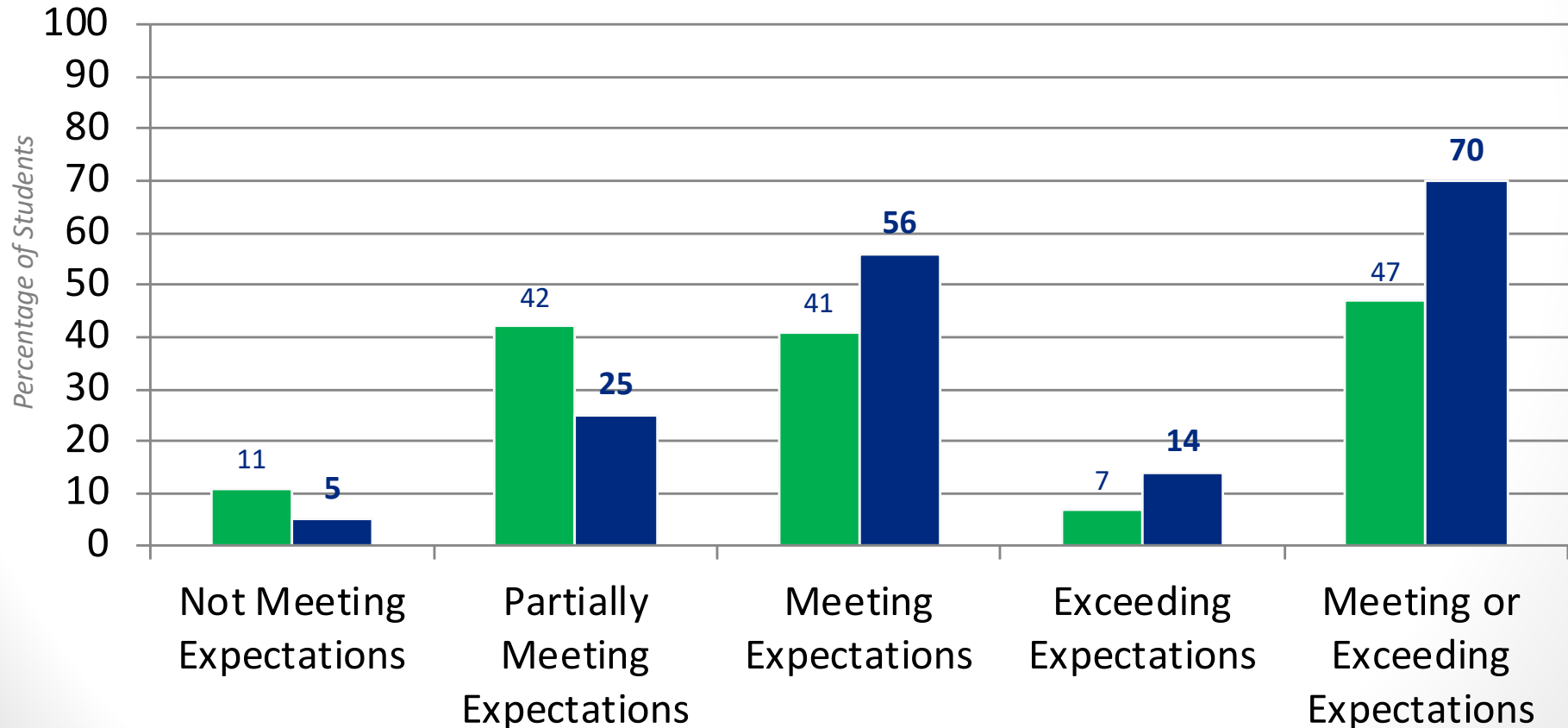
Shrewsbury Public Schools

Grade 6 Mathematics

2018 *Next-Generation* MCAS

State Assessment Results

■ State 2018 ■ SPS 2018

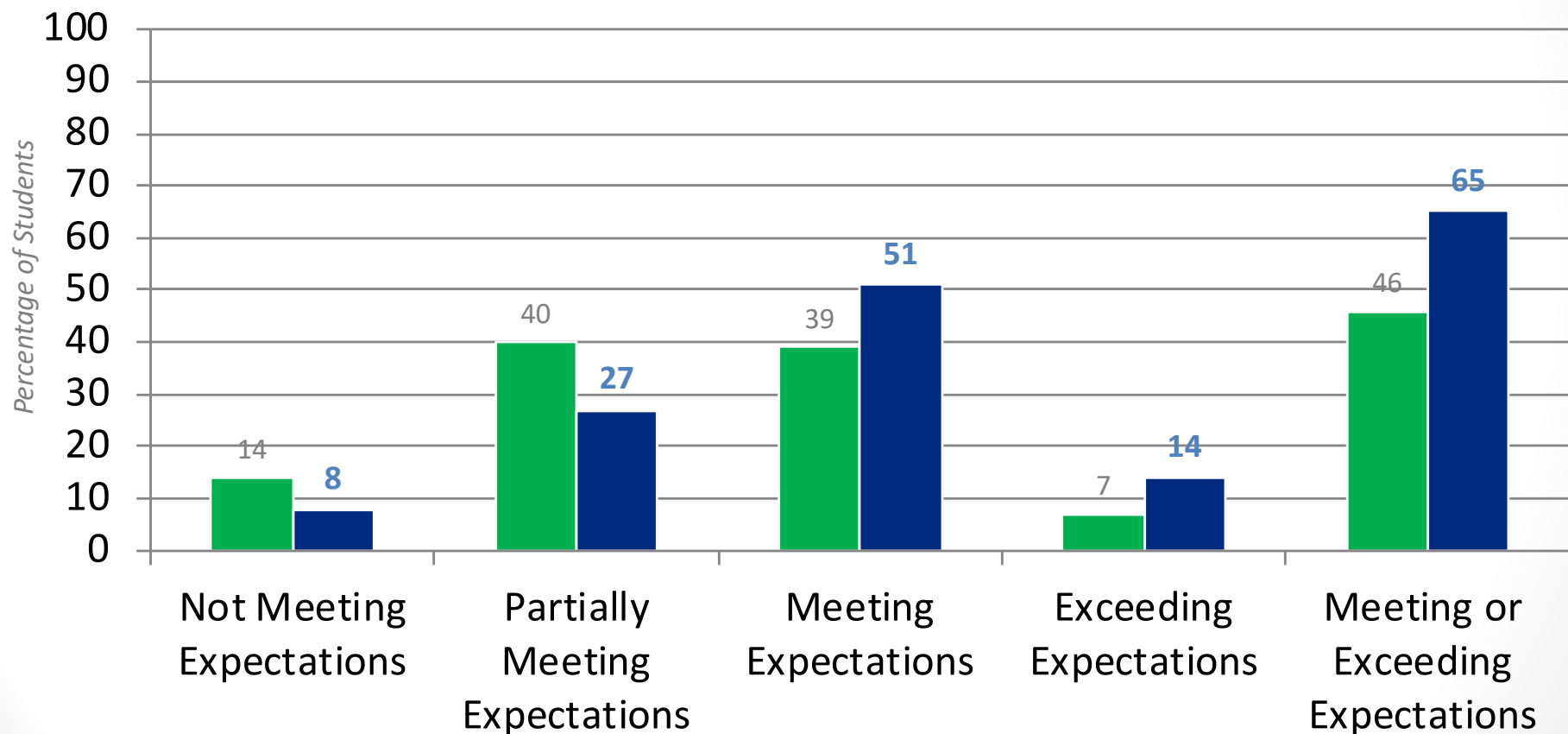


Grade 7 Mathematics

2018 *Next-Generation MCAS*

State Assessment Results

■ State 2018 ■ SPS 2018



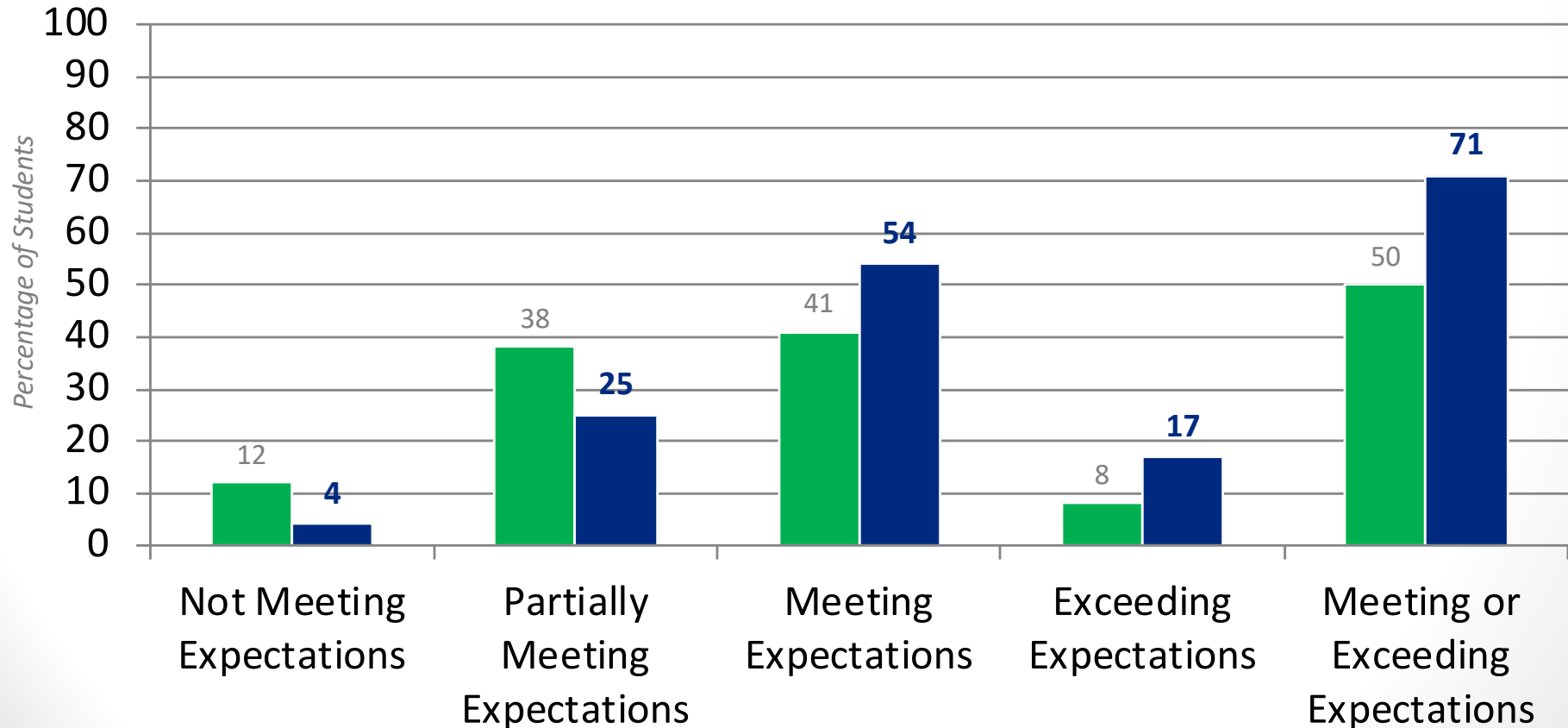
Shrewsbury Public Schools

Grade 8 Mathematics

2018 *Next-Generation MCAS*

State Assessment Results

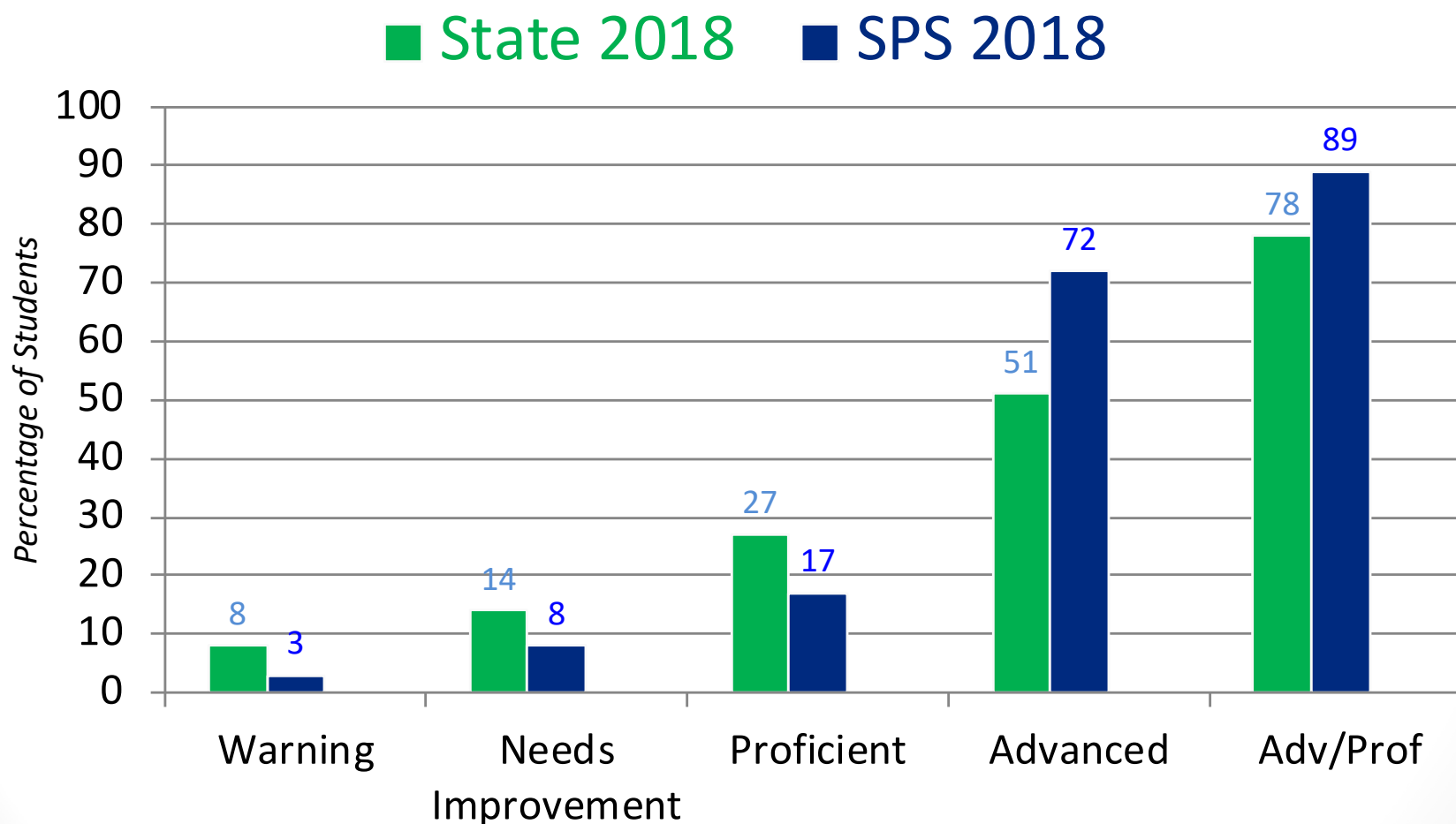
■ State 2018 ■ SPS 2018





SHS Mathematics

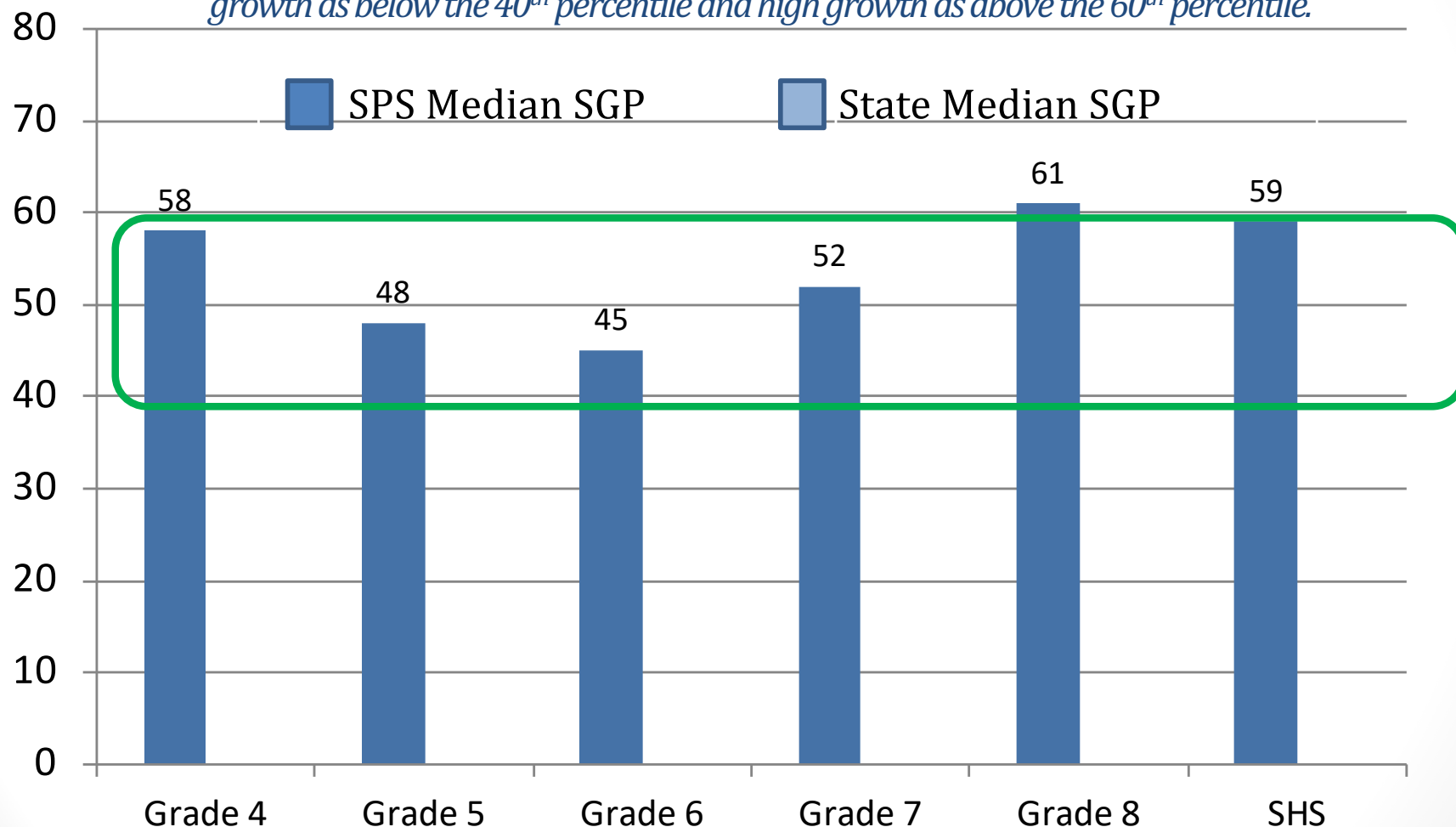
2018 (Legacy) MCAS



Mathematics

2018 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.

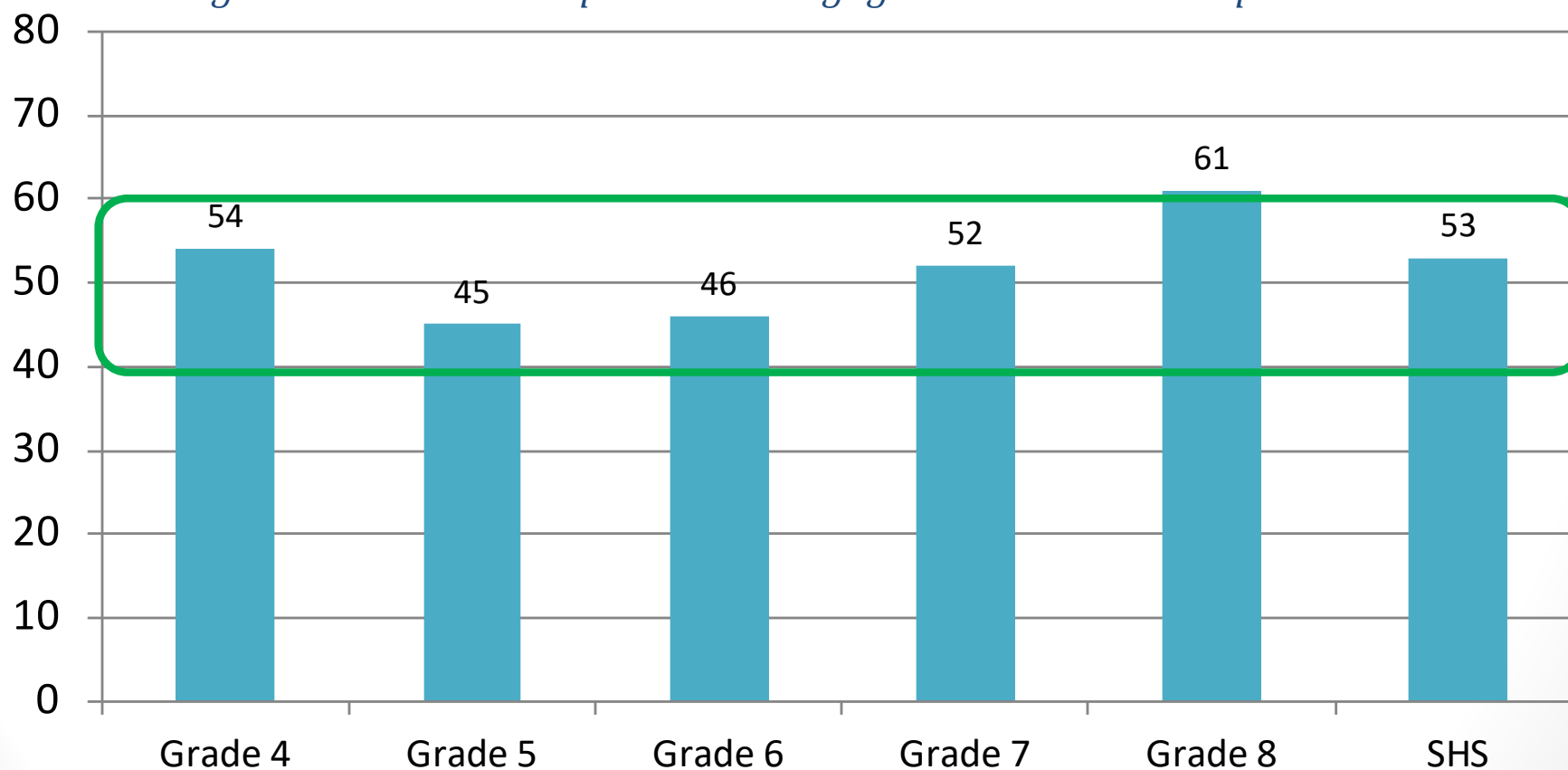


Mathematics

SPS High Needs Subgroups

2018 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.

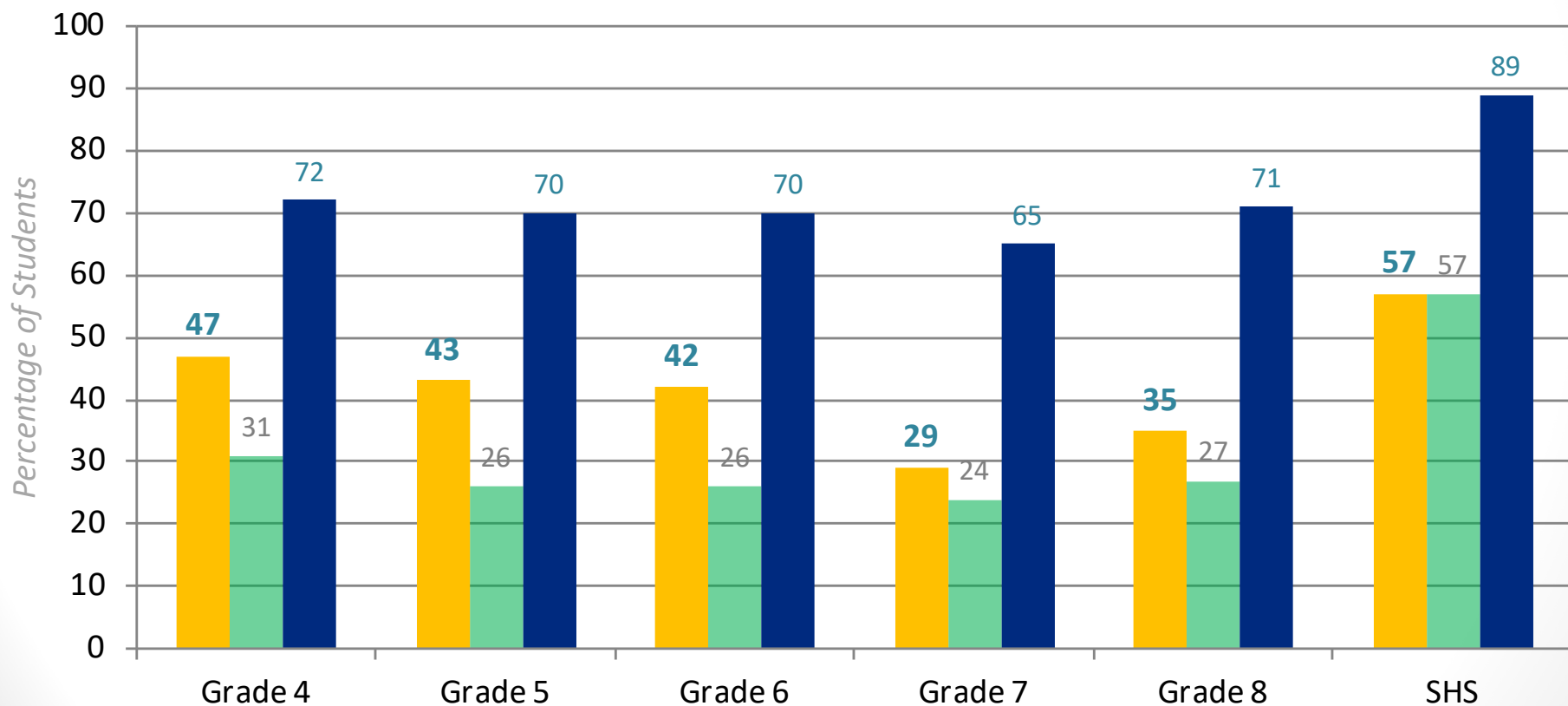


Mathematics

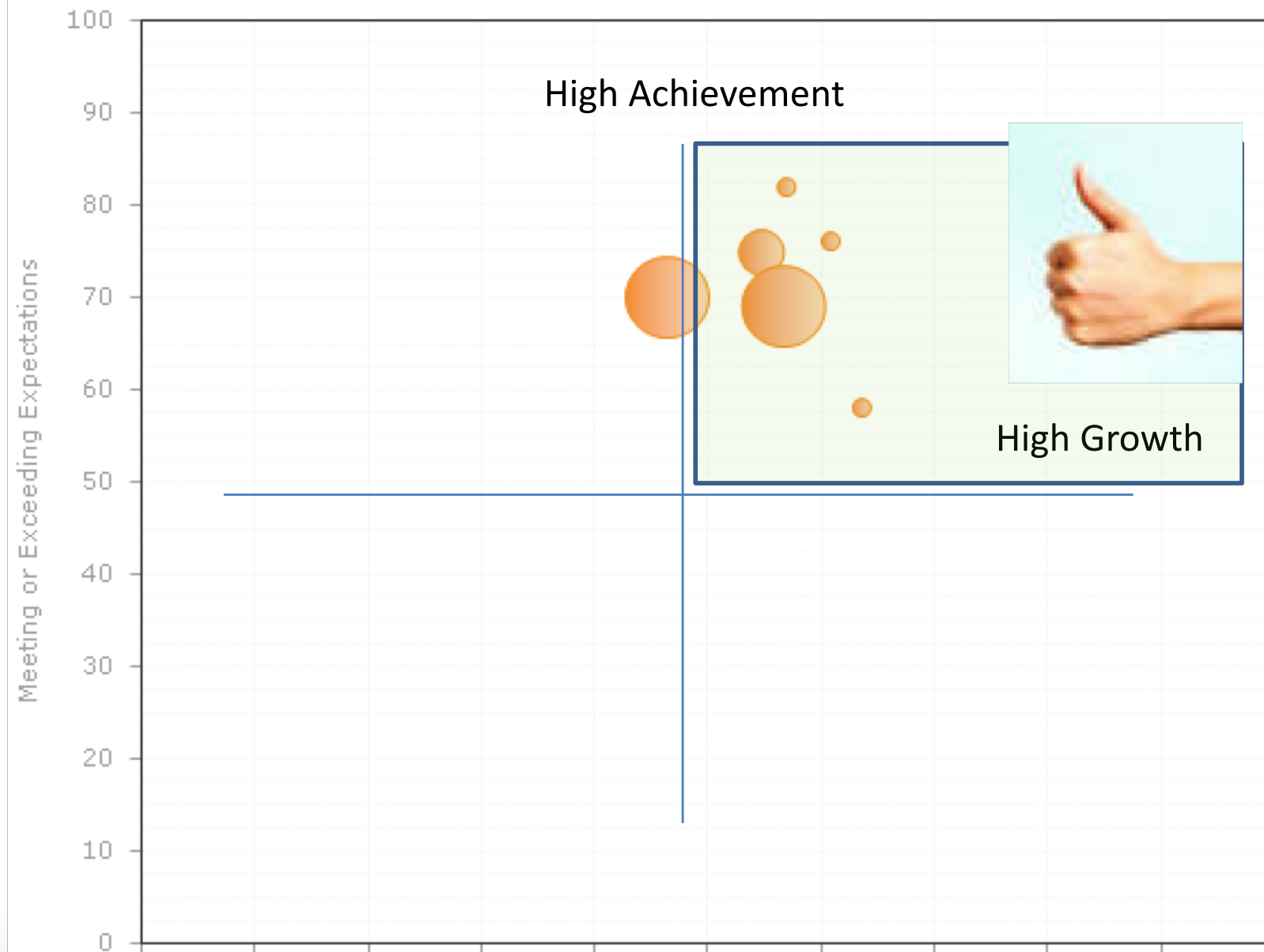
High Needs Subgroup by Grade Level

2018 Percentage of Students Meeting or Exceeding Expectations

■ SPS High Needs Subgroup ■ State High Needs ■ SPS All Students

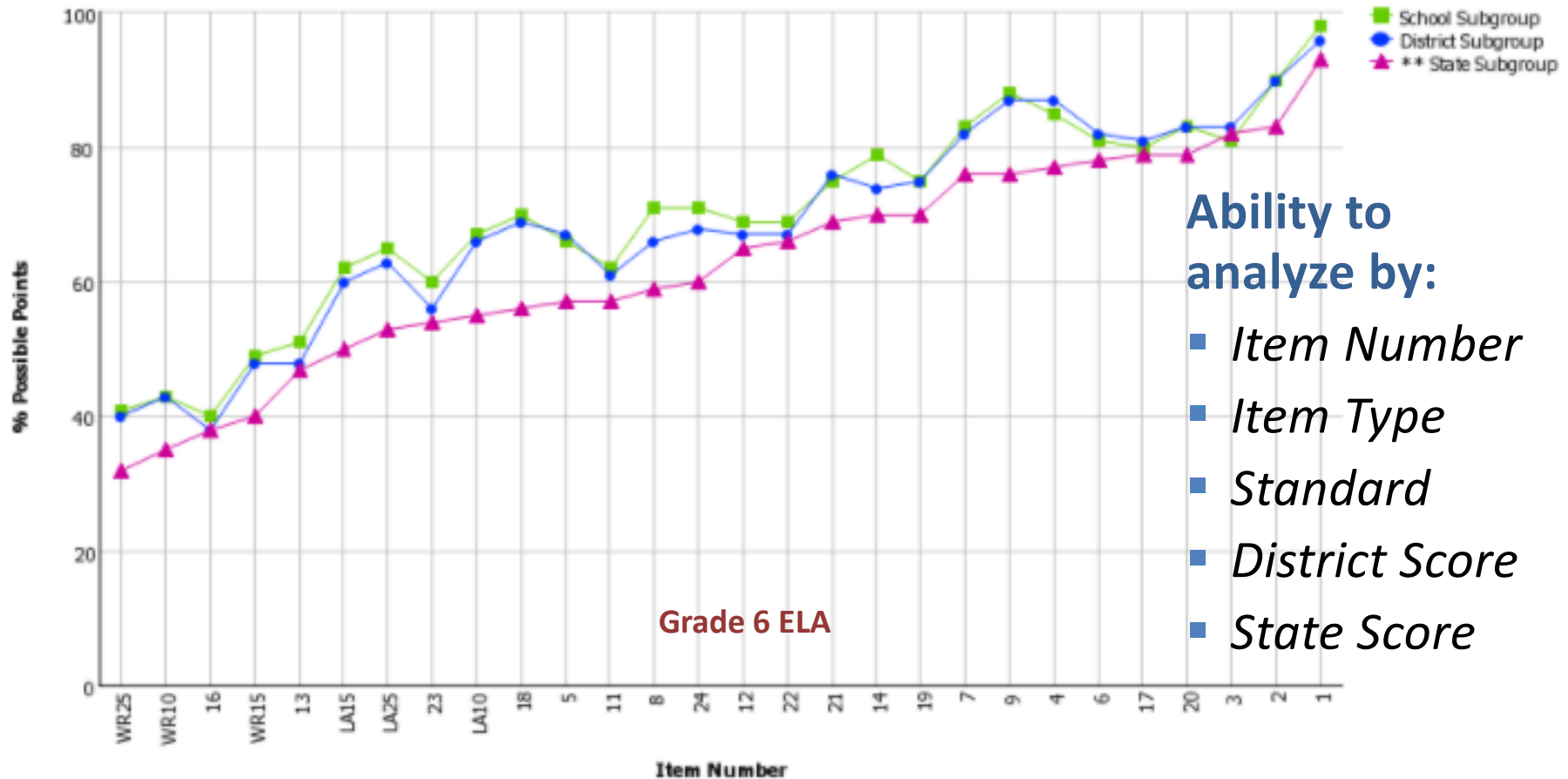


From DESE : Math Growth Gr 3-8



Staff Analysis of MCAS

All Students (200) Mode: Online



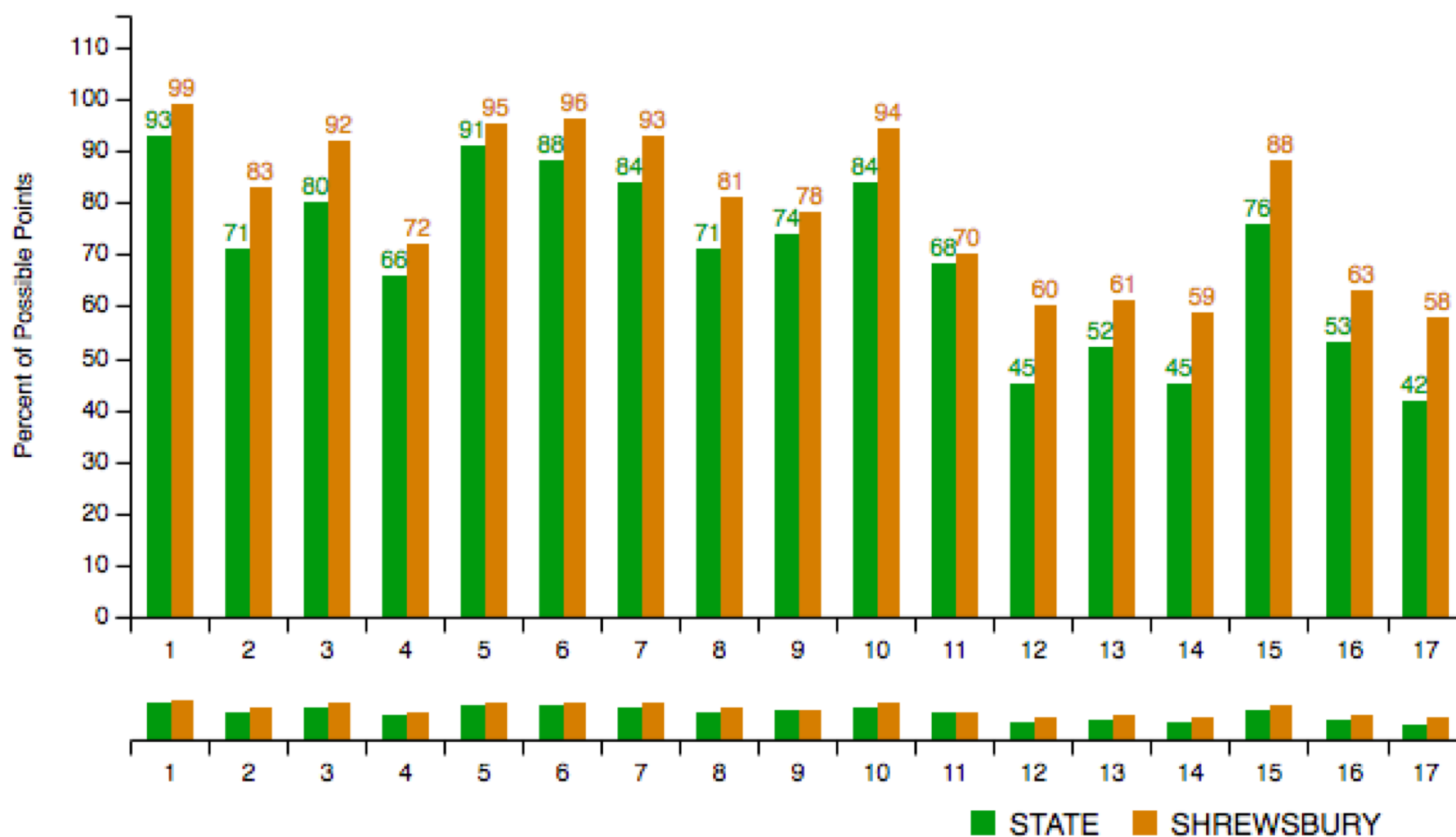
[WR25](#) [WR10](#) [16](#) [WR15](#) [13](#) [LA15](#) [LA25](#) [23](#) [LA10](#) [18](#) [5](#) [11](#) [8](#) [24](#) [12](#) [22](#) [21](#) [14](#) [19](#) [7](#) [9](#) [4](#) [6](#) [17](#) [20](#) [3](#) [2](#) [1](#)

Staff will utilize the MCAS data from the DESE portal to review student performance, identify strengths and weaknesses in specific standards, and also examine released questions to determine how students need to specifically apply their understanding of concepts.

MCAS Test Item Analysis

Grade 3 Reading

Number of Students Included: 452 Mode: Paper



Reading- and Writing

Question Type	SPS % of points	State % of points
Essay 9 Language (conventions)	64%	50%
Essay 18 Language (conventions)	48%	34%
Essay 9 Writing Idea Development	45%	37%
Essay 9 Writing Idea Development	32%	22%



✓ 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

✓ Work with district leaders to calibrate expectations for instruction.

- Assessment information helps to align the curriculum, improve instruction, and monitor student progress across all grade levels.

Questions?



How Do I Learn More?

MCAS Parents Page

<http://www.doe.mass.edu/mcas/parents/>


- Resources include:
 - Annotated Parent/Guardian Report
 - Frequently Asked Questions (FAQs)
 - Item Descriptions

MCAS Parent Guide

(available in several languages)

<http://www.doe.mass.edu/commissioner/Back-to-School/>

Massachusetts DESE Online Information

**School and District Profiles**
Massachusetts Department of Elementary and Secondary Education

Massachusetts Department of
Elementary and Secondary Education

Profiles Home Directories Statewide Reports State Profile Profiles Help

Search > Massachusetts > Public School Districts >

Districts Schools

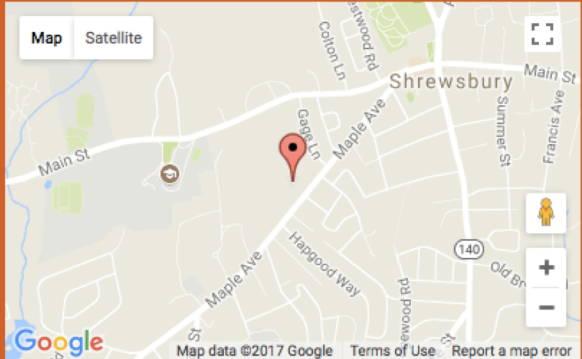
Shrewsbury

Shrewsbury (02710000)

General Students Teachers Finance Assessment Accountability Trends - DART

Contact Information
> People
> Grades Offered
> Relationships/Membership
> Additional Information
> About Public School Districts

Related Links:
ESE Website



Map Satellite

Shrewsbury

Map data ©2017 Google Terms of Use Report a map error

Shrewsbury
100 Maple Avenue
Shrewsbury, MA, 01545 5398
508-841-8400 508-841-8490
jsawyer@shrewsbury.k12.ma.us
http://schools.shrewsburyma.gov
Superintendent : Joseph M Sawyer

Print

School Accountability Information

School

[Calvin Coolidge](#)

[Floral Street School](#)

[Walter J Paton](#)

[Spring Street](#)

[Sherwood Middle School](#)

[Oak Middle School](#)

[Shrewsbury Sr High](#)

[Beal School](#)

[Parker Road Preschool](#)

There are lots of resources on the web at:

<http://profiles.doe.mass.edu/accountability/report/district.aspx?linkid=30&orgcode=02710000&orgtypecode=5&>

Looking Beyond Scores

- Scores can identify areas where students need academic support, but scores can also reflect **non-academic barriers to learning**.
- ESE and districts continue to work together to:
 - teach with diverse student needs in mind,
 - build cultural competency, and
 - address the need for continued work with data analysis



Interpreting the Results

- Massachusetts educators set these standards, and they raised them in order to make sure our students will be college- and career- ready.
- The roughly equivalent proportion of students in each grade and subject area reflect:
 - a clear **progression** of learning expectations from grade to grade;
 - **Panelists' consistent application of the standards**
 - Achievement targets were set for all these tests **at the same time**



Assessment → Instruction



Not Meeting Expectations

A student who performed at this level **did not meet grade-level expectations in this subject**. The school, in consultation with the student's parent/guardian, should determine the coordinated academic assistance and/or additional instruction the student needs to succeed in this subject.

Partially Meeting Expectations

A student who performed at this level **partially met grade-level expectations in this subject**. The school, in consultation with the student's parent/guardian, should consider whether the student needs additional academic assistance to succeed in this subject.

...and Less Like Legacy MCAS Results (2015)

