

PUBLIC SCHOOLS of  
**BROOKLINE**



# PSB MCAS Results Spring 2021

October 21, 2021

# Agenda



- Report PSB MCAS results in ELA, Math & Science
- Highlight subgroup achievement and growth gaps
- Discuss actions for 2021-22 school year and beyond
- Questions

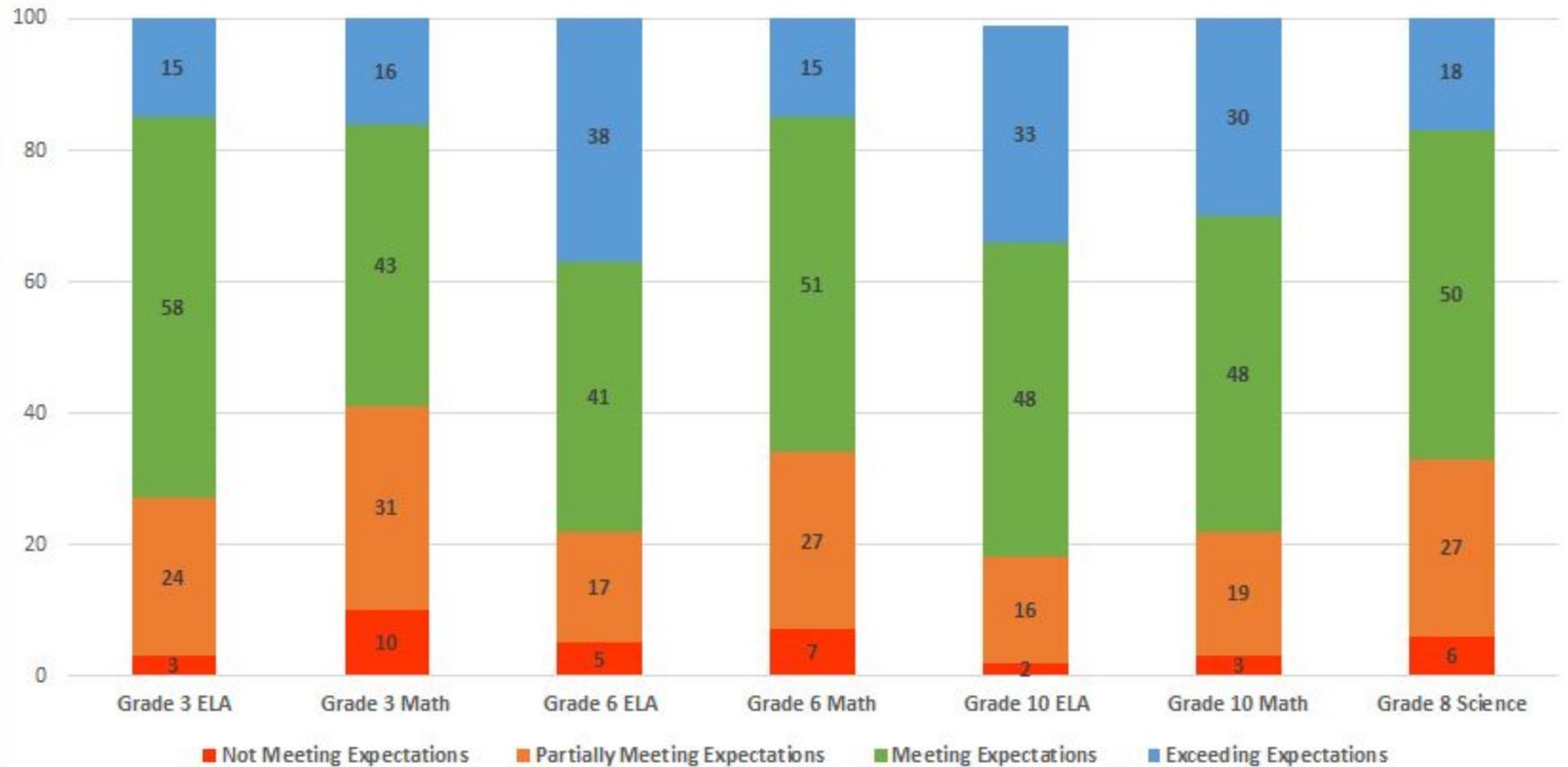
# MCAS 2021 Results by Grade and Subject

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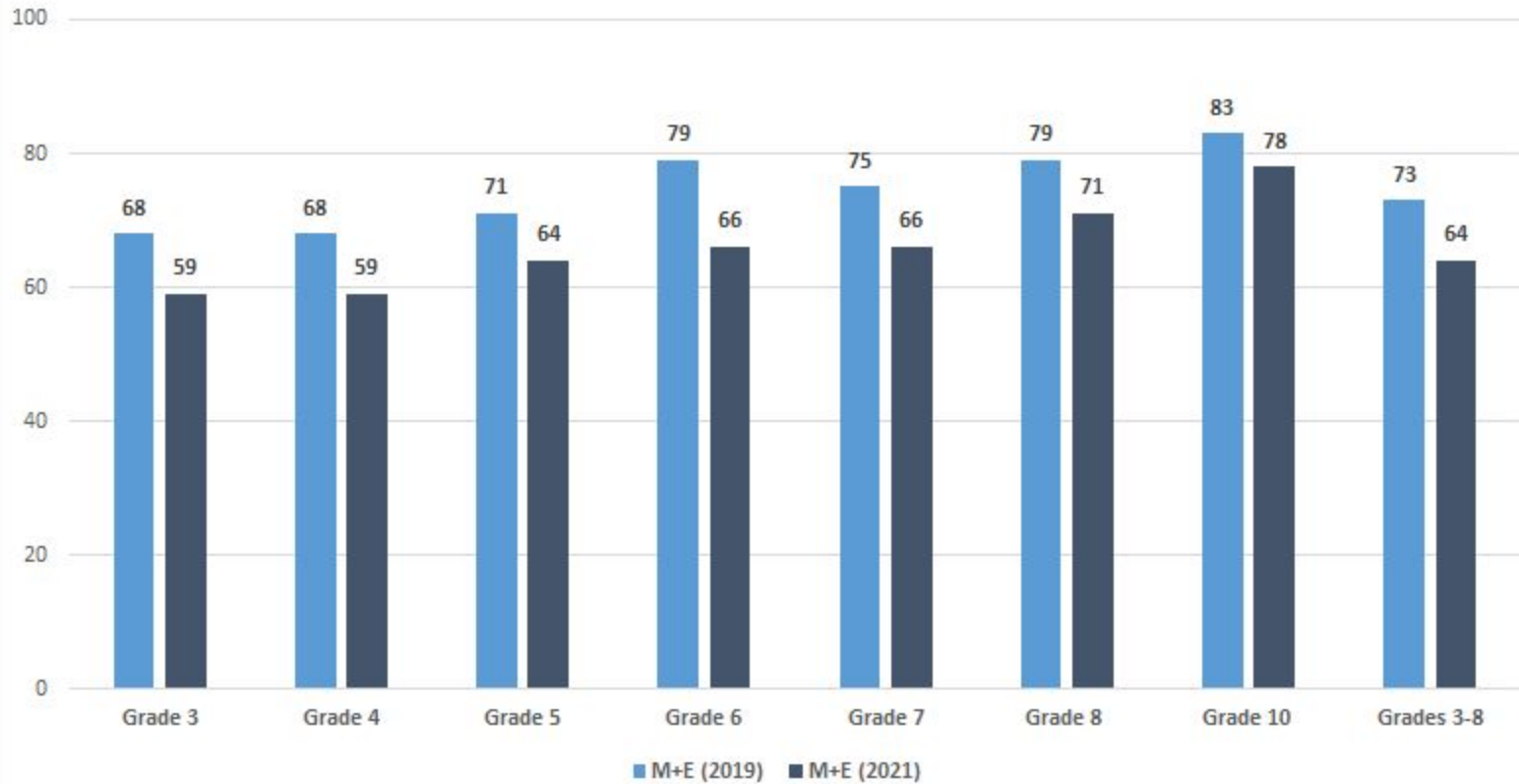
- PSB students performed well overall and better than State averages
- On each assessment, the percent of students meeting grade level expectations was slightly lower than 2019
- A higher percentage of students scored *Partially Meets/Did Not Meet Expectations* in Math than in ELA



2021 MCAS Achievement Levels by Grade and Subject (%)



### % of Students Meeting or Exceeding Expectations Math MCAS (2019 and 2021)



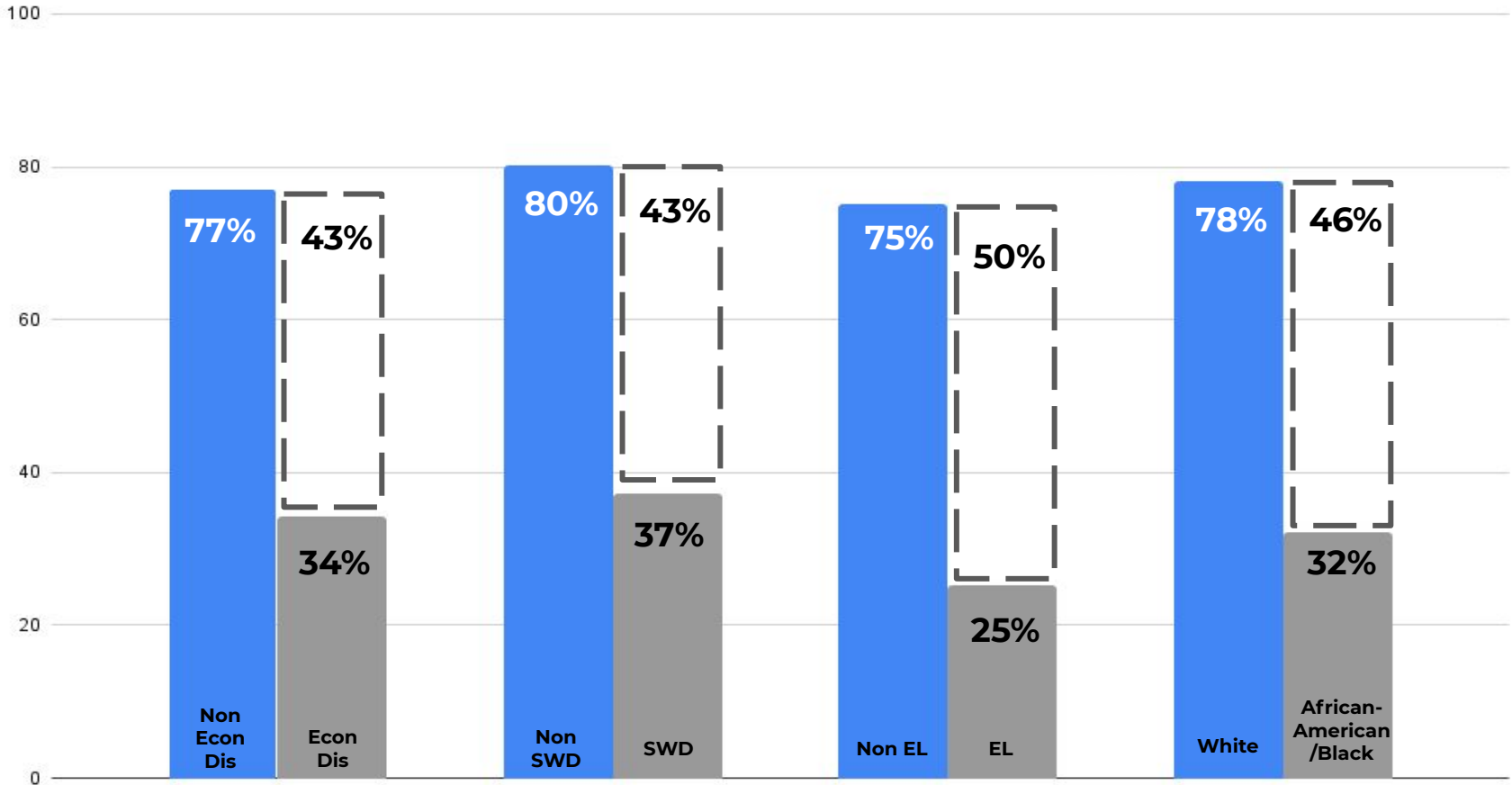
# MCAS 2021 Results by Subgroup

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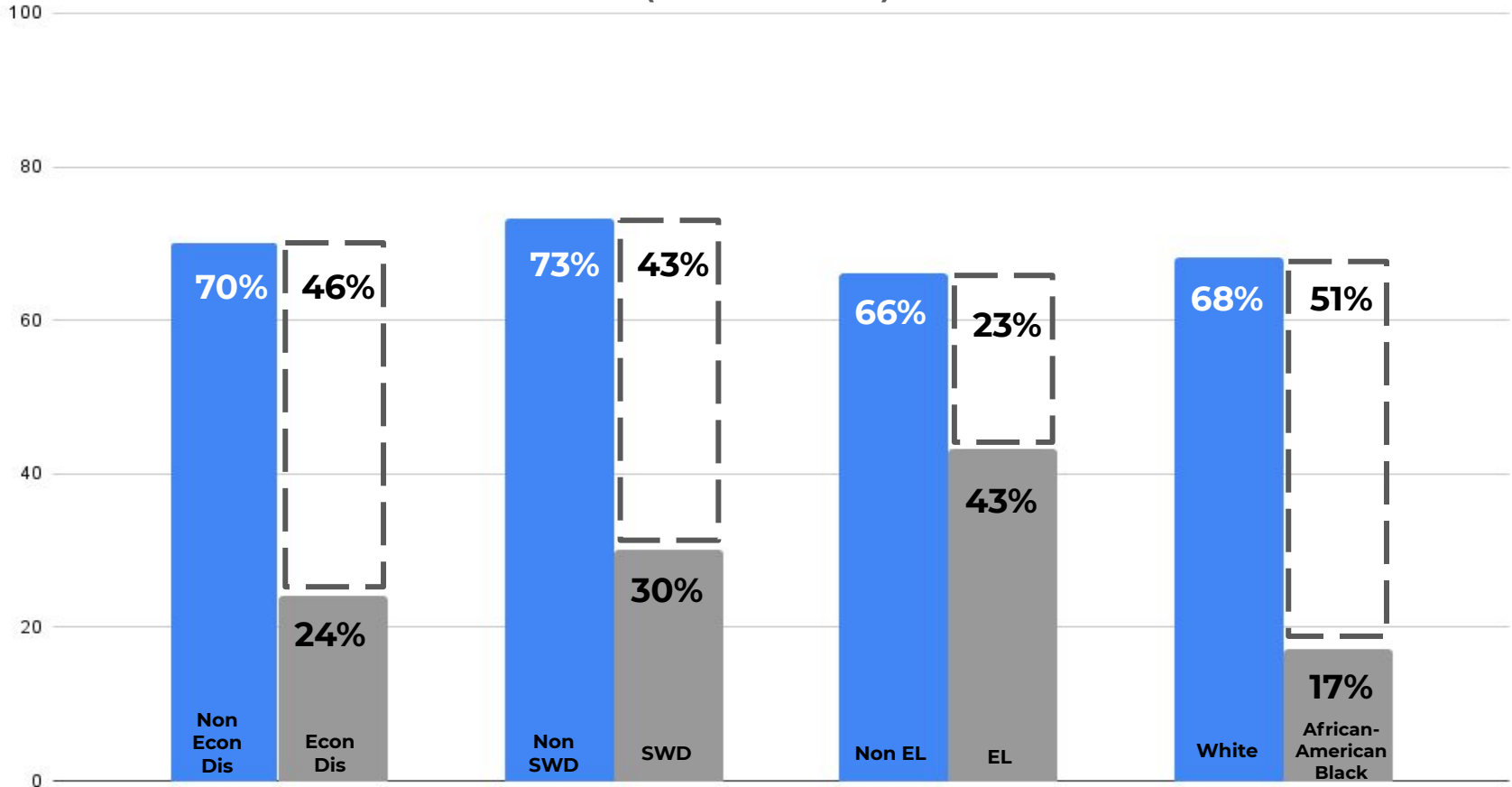
- Subgroup gaps persist in performance level and growth (SGP) measures
- Achievement level gaps increased in almost all subgroups from 2019 to 2021
- Grade 10 Math growth for all students and subgroups reported in the *Low Growth* range



## Percent of Students Meeting & Exceeding Expectations by Subgroup (Grades 3-8 ELA)



## Percent of Students Meeting & Exceeding Expectations by Subgroup (Grades 3-8 Math)





# Student Growth Percentile (SGP): ELA and Math by Subgroup

	Grades 3-8		Grade 10	
	ELA	Math	ELA	Math
<b>All Students</b>	51	47	45	37
<b>Econ Dis</b>	39	41	36	30
<b>SWD</b>	44	45	44	33
<b>EL</b>	40	54	--	--
<b>African American/Black</b>	40	42	37	34
<b>Asian</b>	53	53	42	37
<b>Hispanic/Latino</b>	46	43	39	36
<b>White</b>	51	46	47	37

## Key

Low growth: <40

Typical Growth: 40-60

High Growth: >60

## Reminder

SGP measures student growth as compared to their academic peers across the State

\*Not enough EL students in Grade 10 took the assessment to report results publicly

Source: DESE public website/Brookline assessment results

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## Key

Low growth: <40

Typical Growth: 40-49

Typical Growth: 50-59

High Growth: >60

\*Not enough EL students in Grade 10 took the assessment to report results publicly

Source: DESE public website/Brookline assessment results

# Next Steps: 2021 and Beyond

## Foster a sense of belonging and partnership among students and families

- PreK-8 Clinicians (psychologists, school counselors, adjustment counselors, social workers collaborate with students, educators and families to build a sense of belonging (OSS)
- Establish strong systems for building relationships and supporting SEL (OSS)
- Provide focused PD on culturally responsive practices. (OSS/OE/OTL)

# Next Steps: 2021 and Beyond

## Continuously monitor students' understanding

- Adopt high quality curriculum with embedded unit assessments. (OTL)
- Provide professional development to school leaders on data analysis. (OTL, OSS, SP, OE)

# Next Steps: 2021 and Beyond

## Ensure strong grade-appropriate instruction with just-in-time scaffolds when they are needed.

- Continued revision of curriculum and related professional development for educators
- Professional development for evaluators on observation and feedback. (OTL)
- Provide pacing guides to address essential skill or knowledge gaps while maintaining focus on grade-level work. Collect Educator feedback of curriculum documents. (OTL)



**QUESTIONS?**

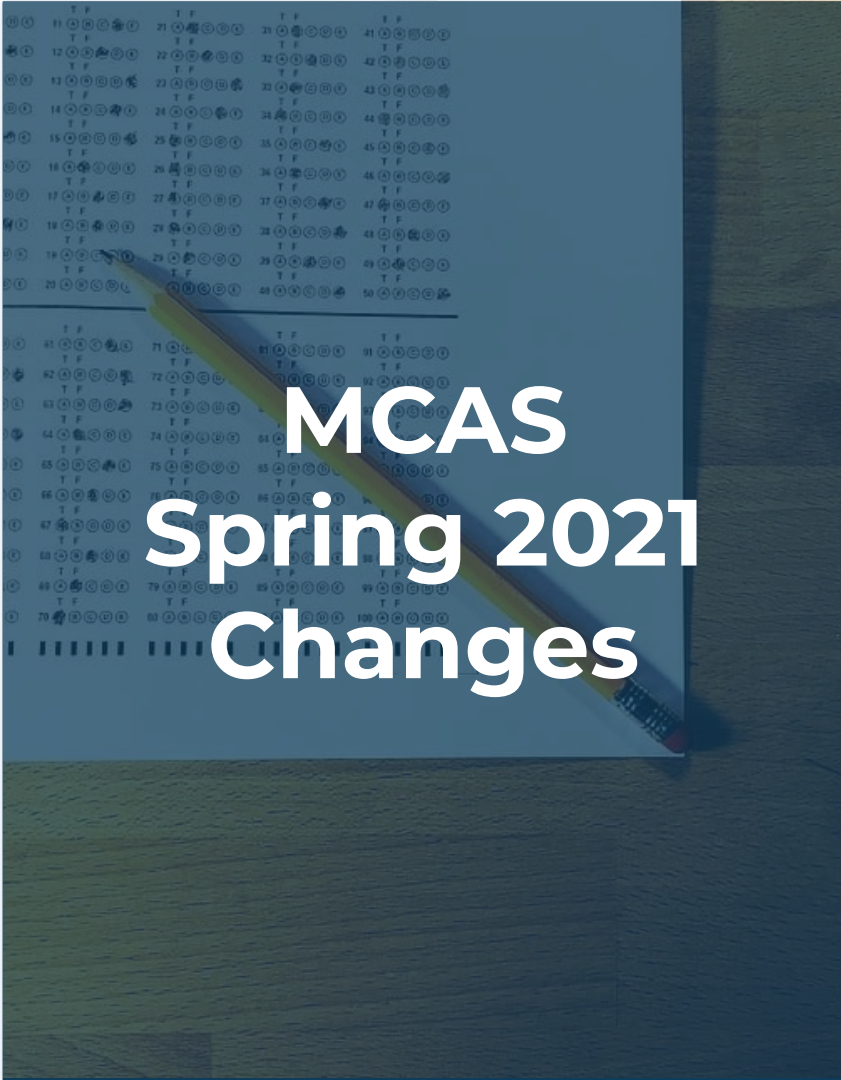
**END OF SLIDES**

# Agenda



- Review MCAS changes for Spring 2021 assessment
- Report PSB MCAS results in ELA, Math & Science
- Highlight subgroup gaps
- Discuss actions for 2021-22 school year and beyond
- Questions



The background of the slide features a dark blue gradient. On the left side, there is a close-up image of a yellow pencil with a blue eraser and a blue band, lying diagonally. Behind the pencil is a grid of small, faint images of test questions, each consisting of a question number followed by a circle containing a question mark and a series of five circles for answer choices. The text 'MCAS Spring 2021 Changes' is overlaid in large, white, sans-serif font.

# MCAS Spring 2021 Changes

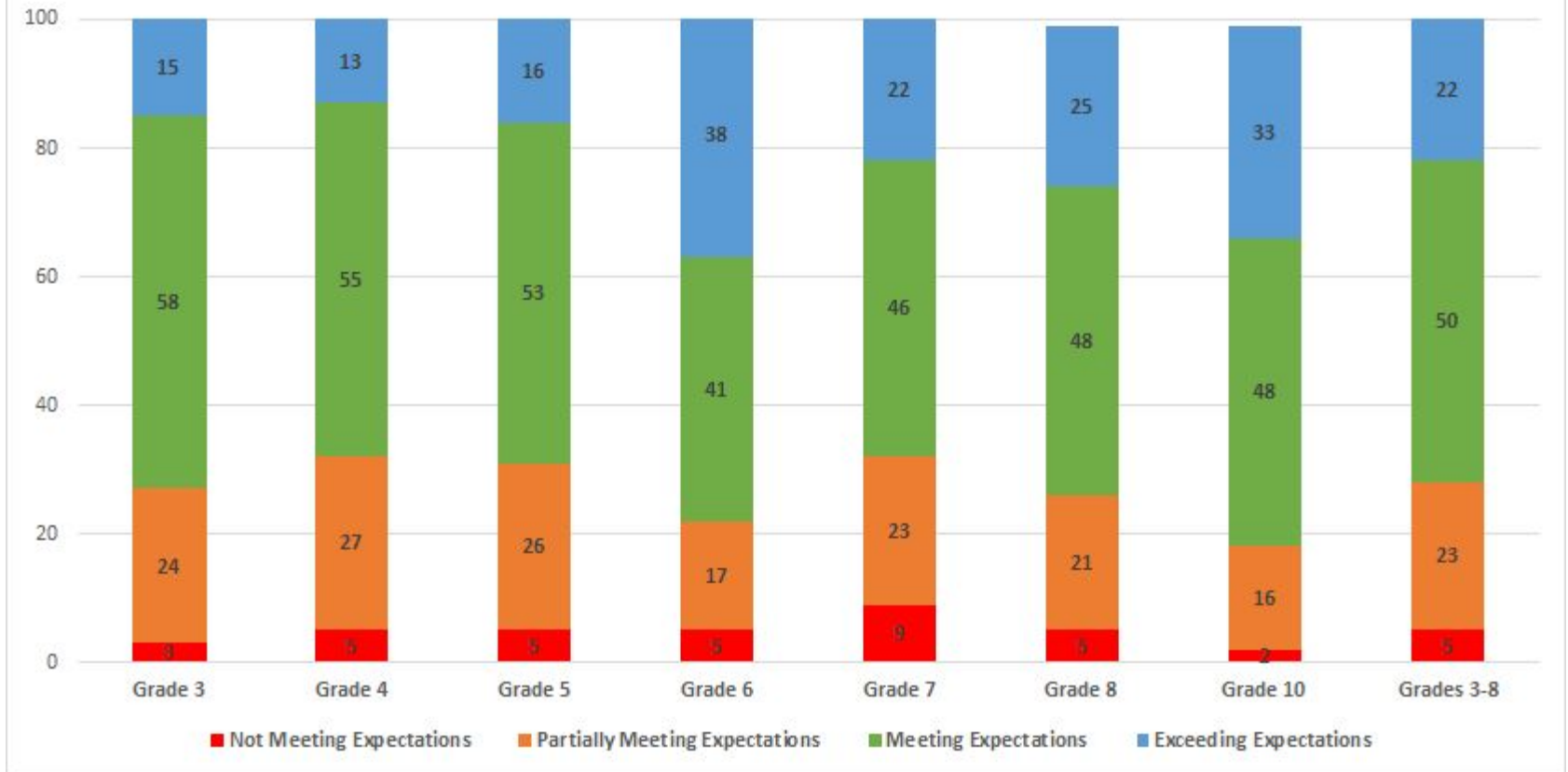
## Test Administration

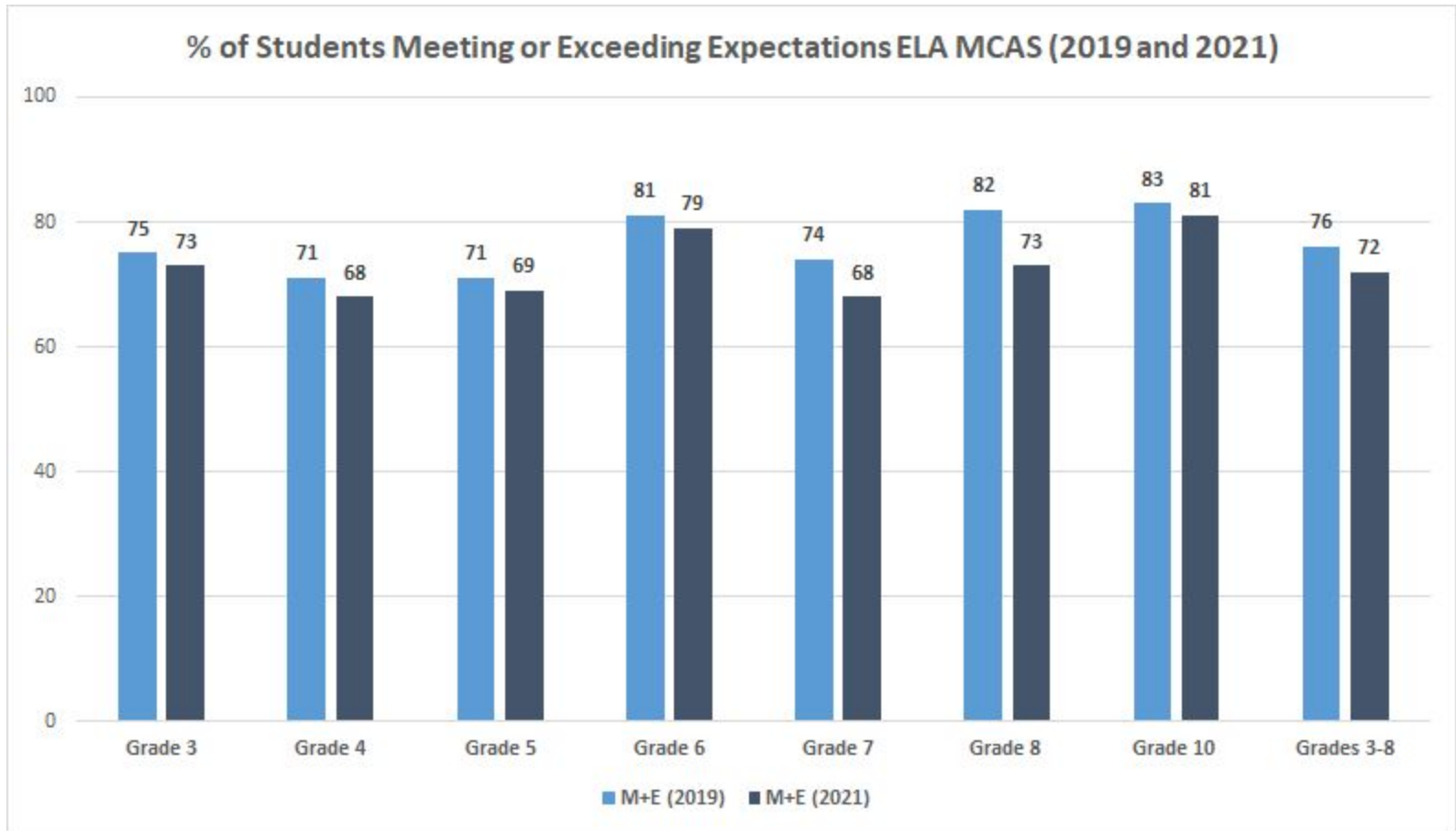
- Extended timeline
- Grades 3-8 were randomly assigned 1 session of a regular 2 session test in all subject areas
- Remote and in-person testing
- Grade 10 = still 2 sessions in-school test

## Results

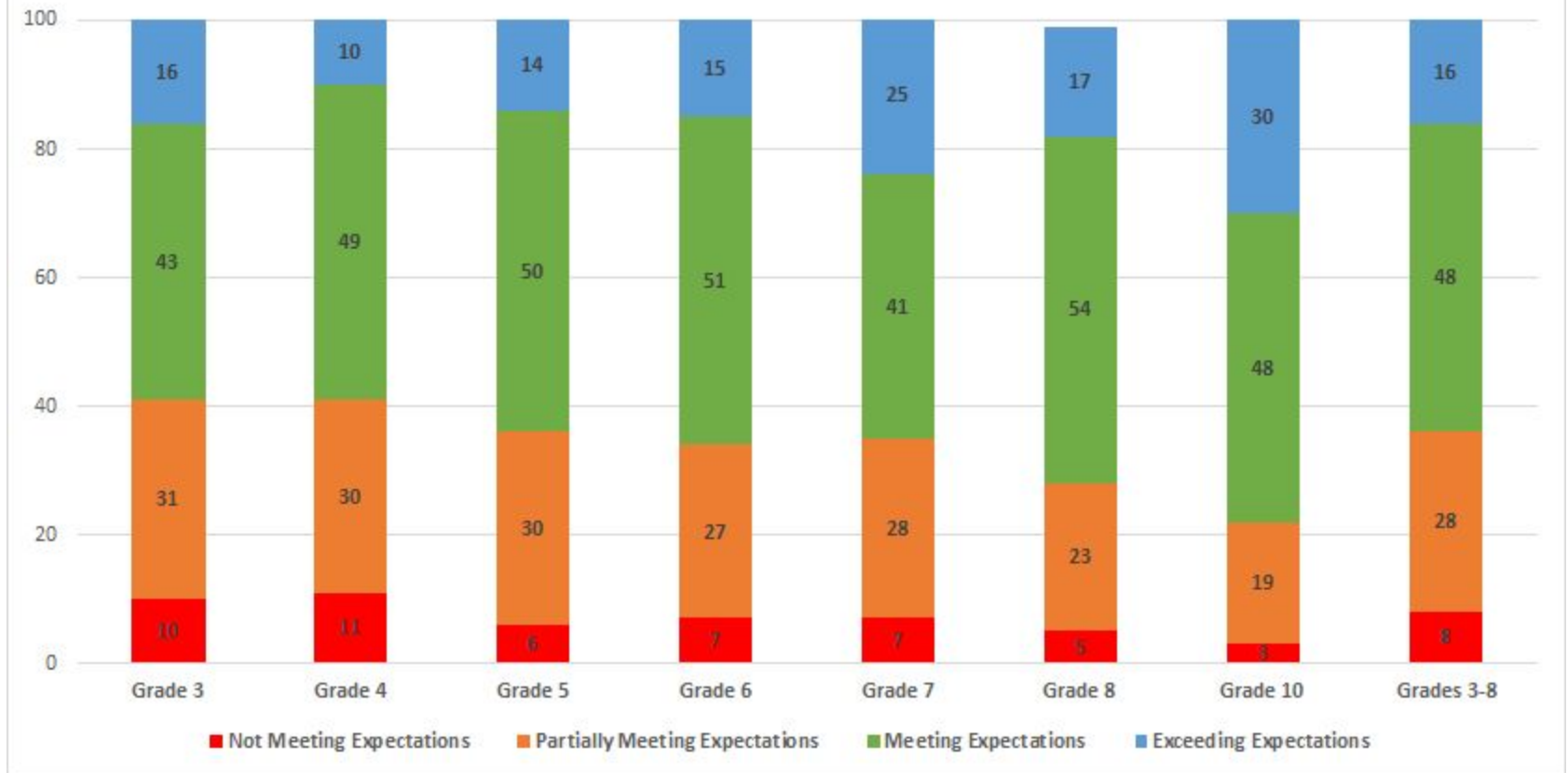
- SGP calculated using a 2-3 prior year baseline
- Updated parent/guardian reports
- Can/should be used diagnostically

### 2021 ELA MCAS Achievement Levels by Grade (%)

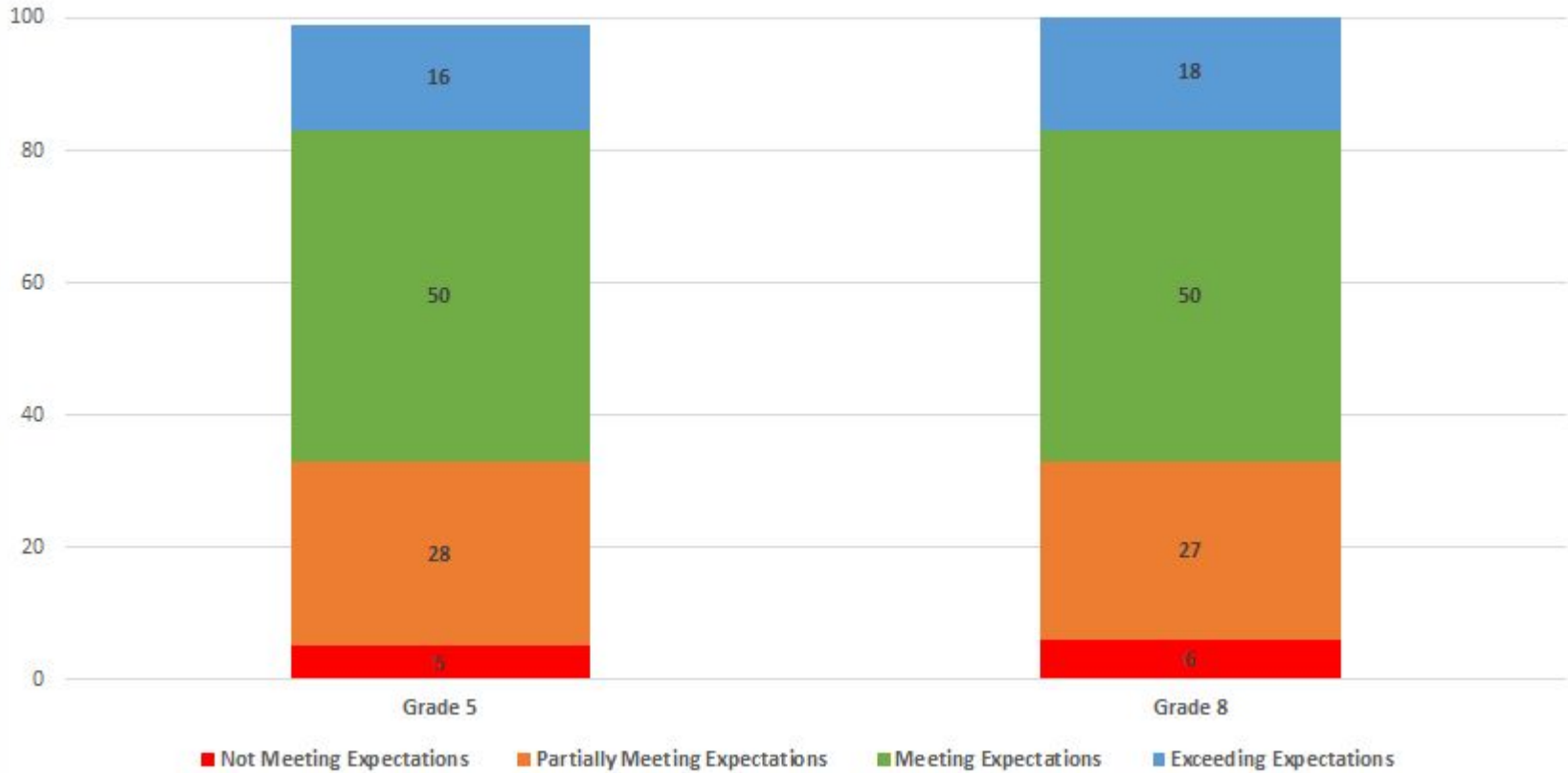




### 2021 Math MCAS Achievement Levels by Grade (%)

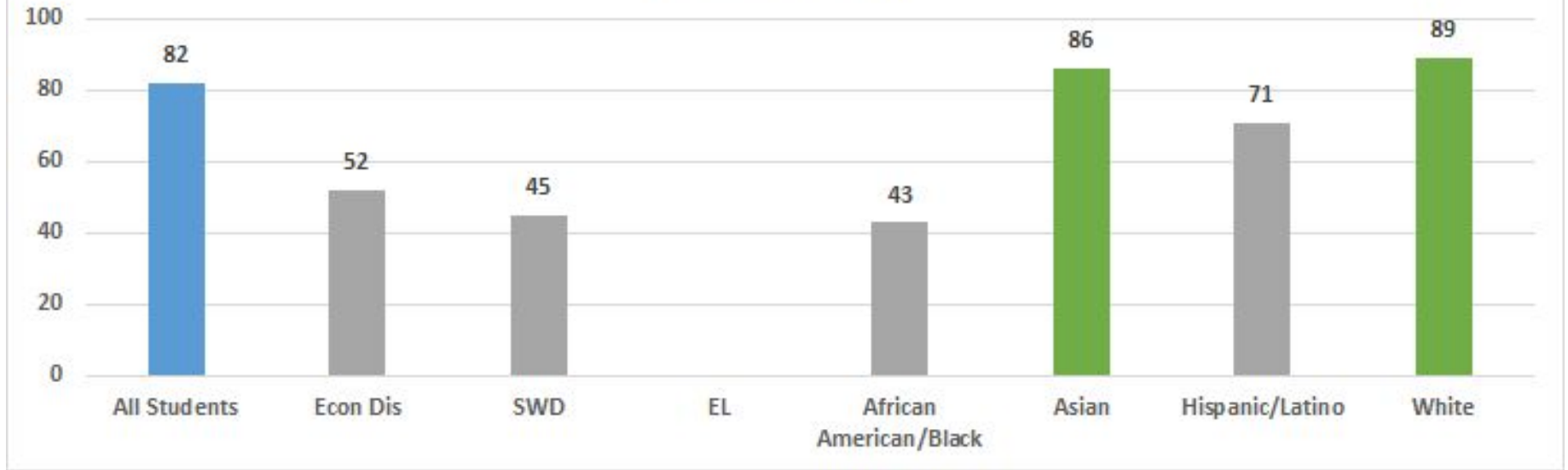


### 2021 Science MCAS Achievement Levels by Grade (%)



Source: DESE public website/Brookline assessment results  
\*High School: Students not required to take the STE assessment

## Percent of Students Meeting & Exceeding Expectations by Subgroup (Grade 10 ELA)



Blue bar: Percent of students across the district Meeting & Exceeding expectations.

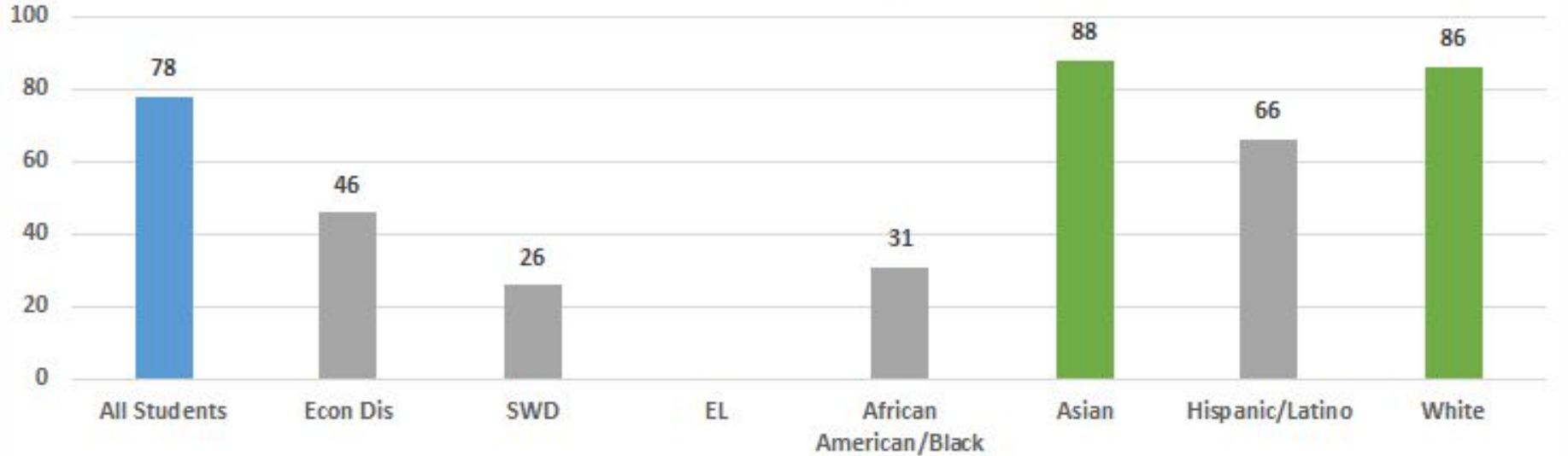
Green bar: Percent Meeting & Exceeding is greater than the district percent.

Grey bar: Percent Meeting & Exceeding is less than district percent.

\*Not enough EL students in Grade 10 took the assessment to report results publicly

Source: DESE public website/Brookline assessment results

## Percent of Students Meeting & Exceeding Expectations by Subgroup (Grade 10 Math)



Blue bar: Percent of students across the district Meeting & Exceeding expectations.

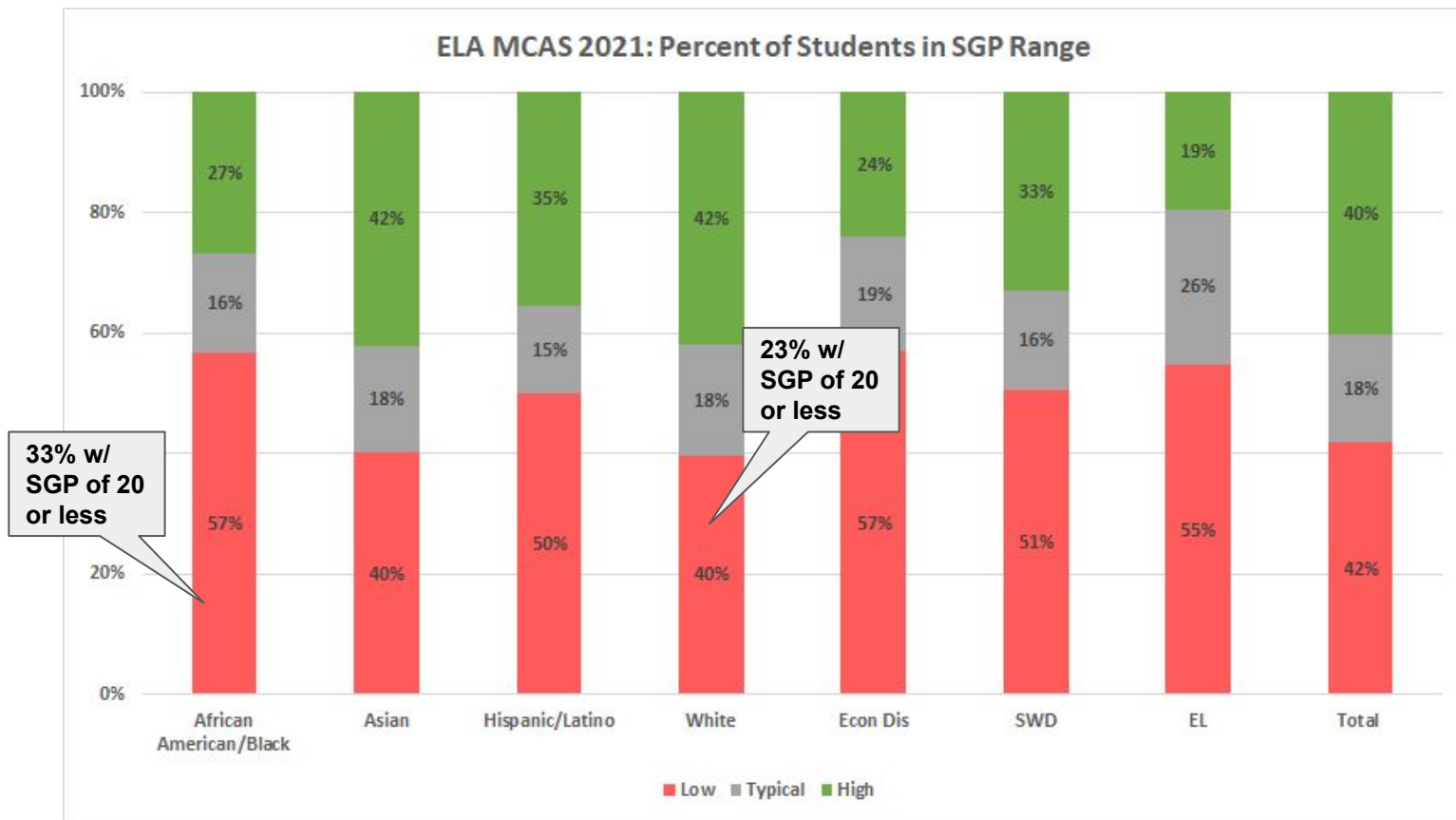
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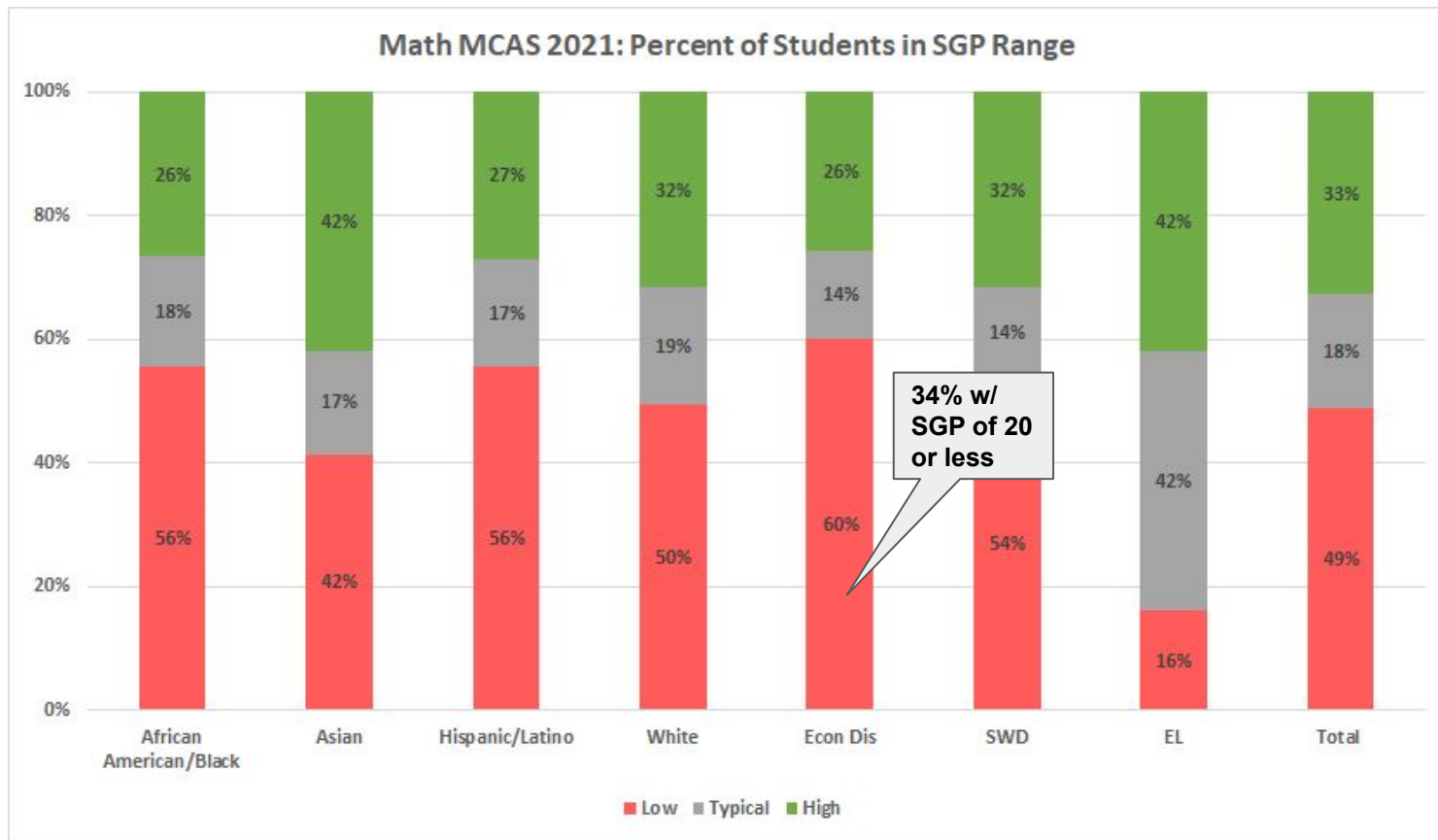
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# SGP Ranges: ELA by Subgroup





# SGP Ranges: Math by Subgroup



# Next Steps - 2021 and Beyond

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## Continuously monitor students' understanding

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- Provide professional development to school leaders on data analysis. (OTL, OSS, SP, OE)

## Ensure strong grade-appropriate instruction with just-in-time scaffolds when they are needed.

- Conduct a culturally responsive audit of materials. (OTL)
- Provide focused PD on curriculum adoption and observation- feedback. (OTL)
- Provide pacing guides to address essential skill or knowledge gaps while maintaining focus on grade-level work. Collect Educator feedback of curriculum documents. (OTL)