

# MCAS Overview

Tewksbury Public Schools  
November 13, 2024



# Accountability Still Matters

**MCAS will continue in 2025 and beyond - it fulfills both state and federal mandates, testing remains in**

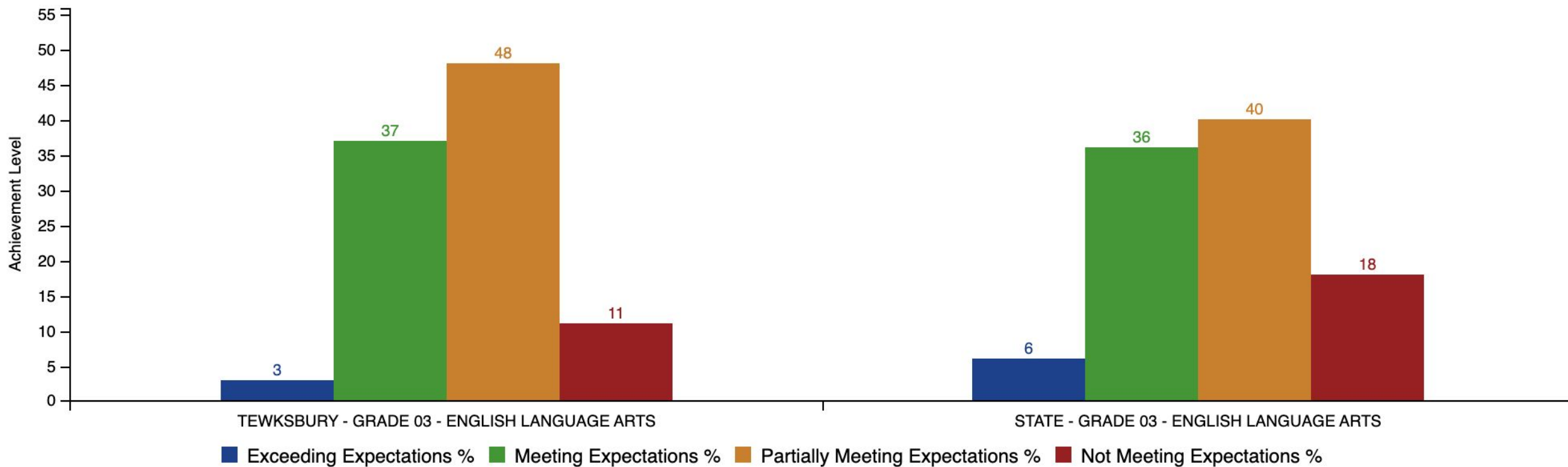
- **ELA - grades 3-8, grade 10**
  - **Math - grades 3-8, grade 10**
  - **Science - grades 5, 8, and 10**
- for MA**

**Grade 8 Civics for all students begins in 2025 (previously a pilot)**

# Overall State Results 2024

	ELA			Math			Science		
	% M or E	2024	2019	% M or E	2024	2019	% M or E	2024	2019
Grade 3	42	-2	-14	44	+3	-5			
Grade 4	37	-3	-15	46	+1	-4			
Grade 5	38	-6	-14	40	-1	-8	45	+3	-4
Grade 6	40	-2	-13	40	-1	-12			
Grade 7	36	-4	-12	37	-1	-11			
Grade 8	43	-1	-9	38	0	-8	39	-2	-7
Grades 3-8	39	-3	-13	41	0	-8			
Grade 10	57	-1	-4	48	-2	-11	49	+2	NA

# MCAS Assessment



# MCAS Accountability

2024 school year was the first year since 2019 that the accountability measures included both an Accountability Percentile (comparative measure with other schools in the state-normative) and Progress Towards Targets (individual school performance-criterion) measure, as well as a back-to-back year growth comparison.

All data can be located on the DESE Profile Pages ([profiles.doe.mass.edu/accountability](https://profiles.doe.mass.edu/accountability))

# 2024 MCAS TPS Accountability

## **Overall District Classification:**

Not requiring assistance or intervention currently based on a two year weighted average.

## **All schools:**

Not requiring assistance or intervention currently based on a two year weighted average.

# School Group Percentiles

- Normative indicator ranging from 1-99
  - Showing a school or student group's standing as compared to other schools or groups in schools serving comparable grade spans
- Divided into three basic groupings
  - Schools serving only grades K-8
  - **Schools serving a combination of K-8 and 9-12**
  - Schools serving only 9-12



# School Accountability Percentile 2018-2024

SCHOOL	2018	2019	2020 & 2021	2022	2023	2024
CENTER			No Data		46	44
RYAN	49	51		47	50	45
WYNN	51	59		68	67	62
TMHS	34	43		48	48	53



# Progress Towards Targets

- Measures a district's or school's performance towards improvement targets
- Reported as a percentage
- Indicators
  - Achievement (ELA, Math, Science)
  - Growth (ELA and Math)
  - EL Proficiency
  - Chronic Absenteeism
  - Advanced Coursework Completion
  - High School only indicators - "High School Completion"
    - 4 Year Graduation Rate
    - Extended Engagement (5 year rate)
    - Annual Dropout Rate

# Scale of Point Accountability

Points assigned based on progress toward target for each indicator for the **all students group** and **each student group** with sufficient data:

Category	Declined	No change	Improved below target	Met target	Exceeded target
Points	0	1	2	3	4

Target %	0%	25%	50%	75%	100%
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Overall progress toward improvement targets

	2023	2024
Annual criterion-referenced target percentage	51%	39%
Weight	40%	60%
<b>Cumulative Criterion-referenced target percentage</b> (2023 x 40%) + (2024 x 60%)	44%	
	Moderate progress toward targets	

## 2024 Points awarded

2024 Progress toward improvement targets													
Indicator		All students (Non-high school grades)			Lowest performing students (Non-high school grades)			All students (High school grades)			Lowest performing students (High school grades)		
		Points earned	Total possible points	Weight %	Points earned	Total possible points	Weight %	Points earned	Total possible points	Weight %	Points earned	Total possible points	Weight %
Achievement	English language arts achievement	0	4	-	2	4	-	2	4	-	2	4	-
	Mathematics achievement	0	4	-	2	4	-	0	4	-	2	4	-
	Science achievement	0	4	-	-	-	-	0	4	-	-	-	-
	Achievement total	0	12	60.0	4	8	67.5	2	12	47.5	4	8	67.5
Growth	English language arts growth	3	4	-	3	4	-	2	4	-	2	4	-
	Mathematics growth	2	4	-	2	4	-	2	4	-	3	4	-
	Growth total	5	8	20.0	5	8	22.5	4	8	22.5	5	8	22.5
High school completion	Four-year cohort graduation rate	-	-	-	-	-	-	2	4	-	-	-	-
	Extended engagement rate	-	-	-	-	-	-	4	4	-	-	-	-
	Annual dropout rate	-	-	-	-	-	-	0	4	-	-	-	-
	High school completion total	-	-	-	-	-	-	6	12	20.0	-	-	-
Progress toward attaining English language proficiency	English language proficiency total	4	4	10.0	-	-	-	-	-	-	-	-	-
Additional indicators	Chronic absenteeism	4	4	-	3	4	-	4	4	-	4	4	-
	Advanced coursework completion	-	-	-	-	-	-	4	4	-	-	-	-
	Additional indicators total	4	4	10.0	3	4	10.0	8	8	10.0	4	4	10.0
Weighted total		1.8	9.6	-	4.1	7.6	-	3.9	10.7	-	4.2	7.6	-
Percentage of possible points		19%		-	54%		-	36%		-	55%		-
Percentage of possible points by gradespan		36% Weight of non-high school results:74%						46% Weight of high school results:26%					
2024 Annual criterion-referenced target percentage		39%											

# MCAS Data Overview

## What is this data telling us?

- **MCAS achievement** results tell us how each student is achieving relative to state standards.
  - Is the student demonstrating proficiency in 6th grade mathematics?
- **Student growth percentile (SGP)** measures change in an individual student's performance over time.
  - How much did the student improve in mathematics from 5th grade to 6th grade?
  - Did the student improve more or less than their academic peers?

# Student Growth Percentiles

Growth scores are a reflection of the level of improvement (or loss) for each student compared to other students that had similar scores from the previous school year.

- Reported in percentiles (0 - 99)
- 'Typical' growth is considered to be within a range of **40 - 60**
- Elementary scores are only reflective of student performance in grade 4

	ELA	Math
<b>CES</b>	42	34
<b>Ryan</b>	44	50
<b>Wynn</b>	62	50
<b>TMHS</b>	44	48

# District Overview of Performance English Language Arts

% Students Meeting/Exceeding

**43%** ↓ -6% vs. previous year  
↑ +1% vs. state average

Average Scaled Score

**497** ↓ -1 vs. previous year  
↑ +2 vs. state average

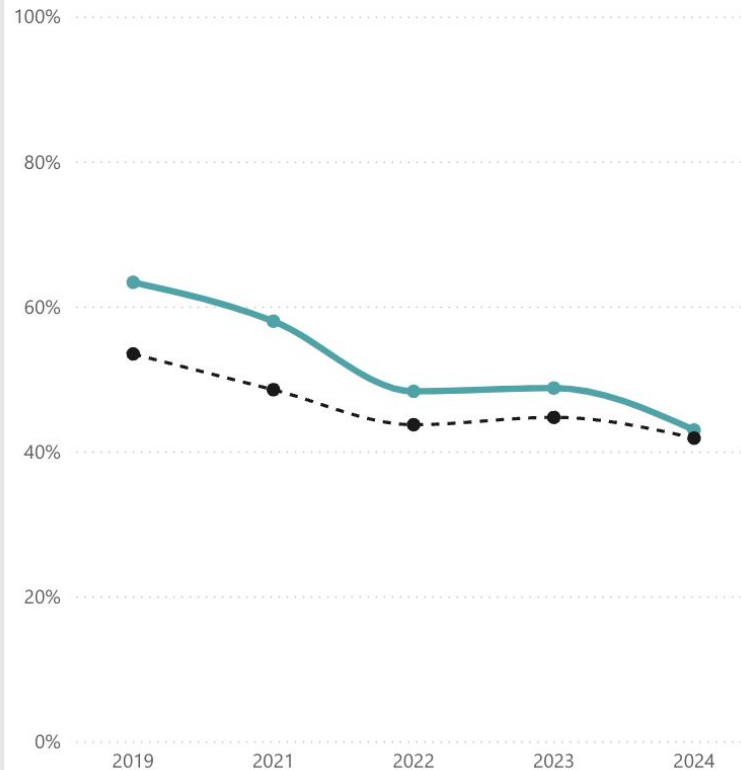
Average SGP

**50.0** ↑ +0.9 vs. previous year  
0 vs. state average

Results By Year

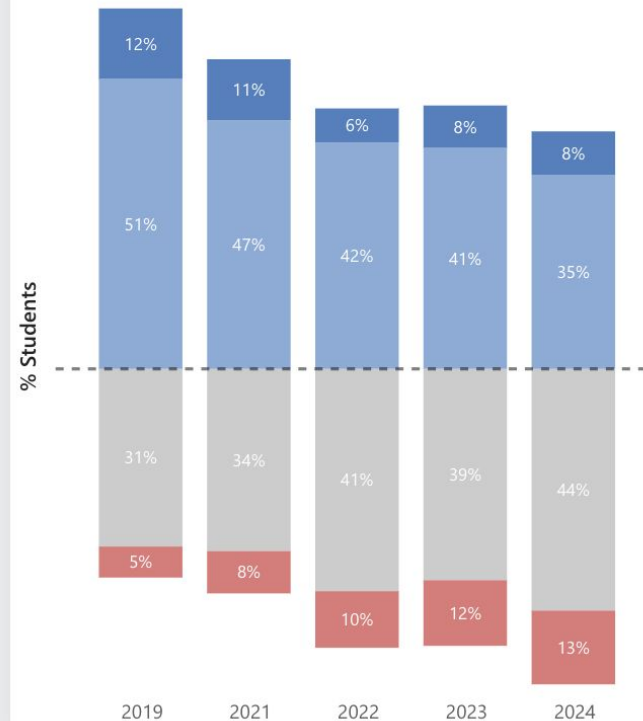
% Meeting/Exceeding

— % Meeting/Exceeding - - - State % M+E



Student Performance by Year - ELA

● Exceeding ● Meeting ● Partially Meeting ● Not Meeting



# School Performance- English Language Arts

Select Metric:

# Students Tested

% Meeting/Exceeding

Average Scaled Score

Average SGP

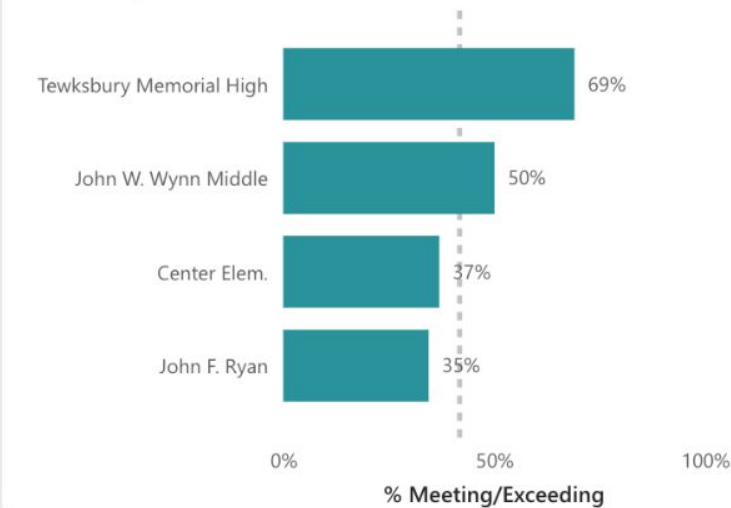
## % Meeting/Exceeding over Time by School - ELA

(click ' + ' to view grade levels)

Group	2019	2021	2022	2023	2024
<input checked="" type="checkbox"/> All Schools	63%	60%	49%	49%	44%
<input checked="" type="checkbox"/> Center Elem.				43%	37%
<input checked="" type="checkbox"/> John F. Ryan	58%	58%	38%	44%	35%
<input checked="" type="checkbox"/> John W. Wynn Middle	65%	56%	58%	53%	50%
<input checked="" type="checkbox"/> Tewksbury Memorial ...	70%	74%	57%	72%	69%
<b>Total</b>	<b>63%</b>	<b>60%</b>	<b>49%</b>	<b>49%</b>	<b>44%</b>

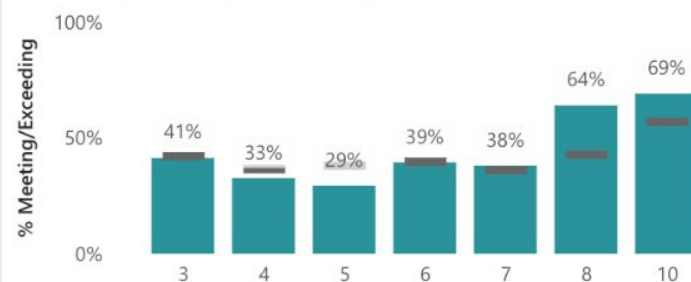
## % Meeting/Exceeding by School - ELA

-- State Average All Students



## % Meeting/Exceeding by Testing Grade Level - ELA

● % Meeting/Exceeding — State Average



## % Meeting/Exceeding over Time by School - ELA

● State Avg. ● District Avg. ● Highlighted: John F. Ryan., Center Elem... & 2 other/s





# District Overview of Performance Mathematics

% Students Meeting/Exceeding

42%

↓ -4% vs. previous year  
0% vs. state average

Average Scaled Score

496

↓ -1 vs. previous year  
0 vs. state average

Average SGP

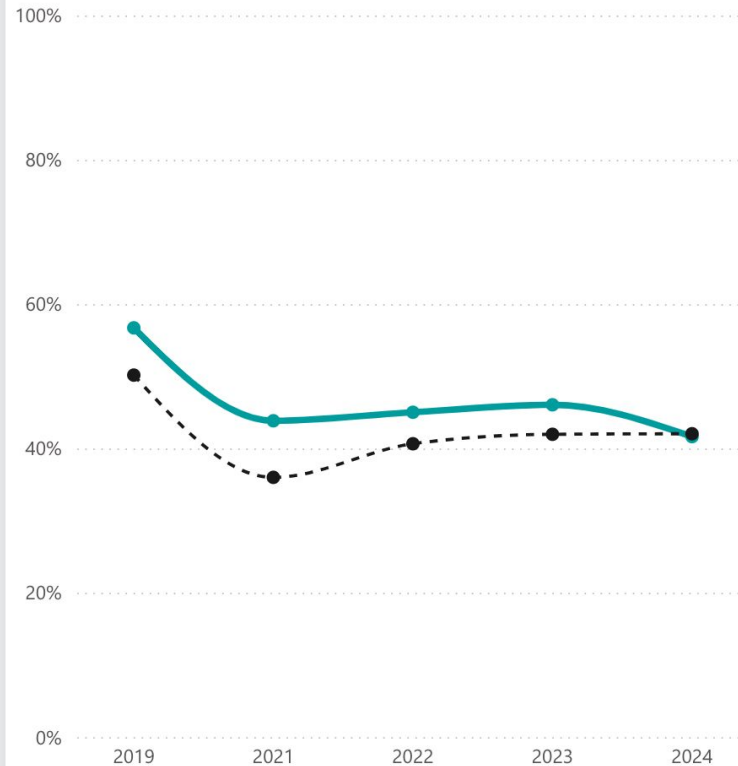
47.1

↑ +0.6 vs. previous year  
↓ -2.9 vs. state average

Results By Year

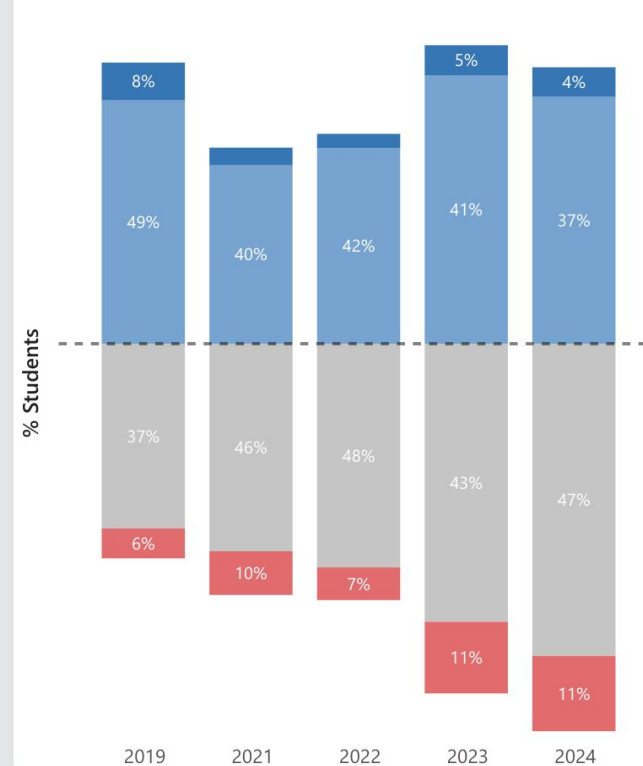
% Meeting/Exceeding

— % Meeting/Exceeding - - - State % M+E



Student Performance by Year - Math

● Exceeding ● Meeting ● Partially Meeting ● Not Meeting





# School Performance- Mathematics

Select Metric:

# Students Tested

% Meeting/Exceeding

Average Scaled Score

Average SGP

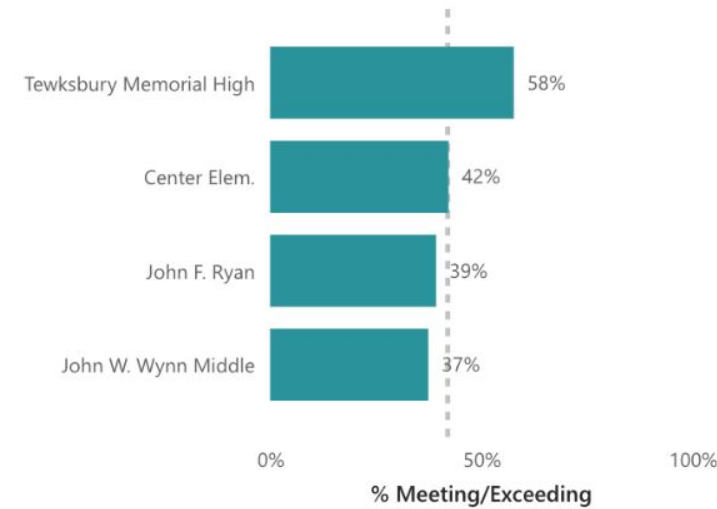
## % Meeting/Exceeding over Time by School - Math

(click '+' to view grade levels)

Group	2019	2021	2022	2023	2024
All Schools	57%	44%	45%	46%	42%
Center Elem.				44%	42%
John F. Ryan	54%	47%	42%	42%	39%
John W. Wynn Middle	52%	35%	45%	46%	37%
Tewksbury Memorial ...	74%	59%	54%	65%	58%
Total	57%	44%	45%	46%	42%

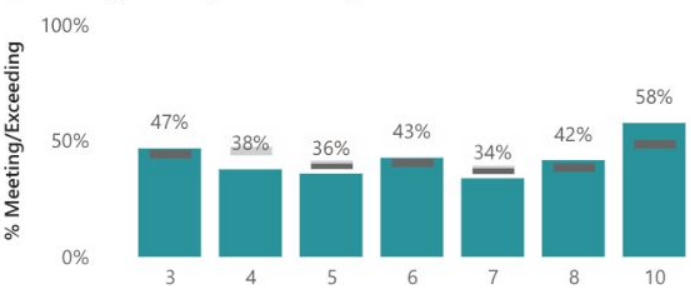
## % Meeting/Exceeding by School - Math

-- State Average All Students



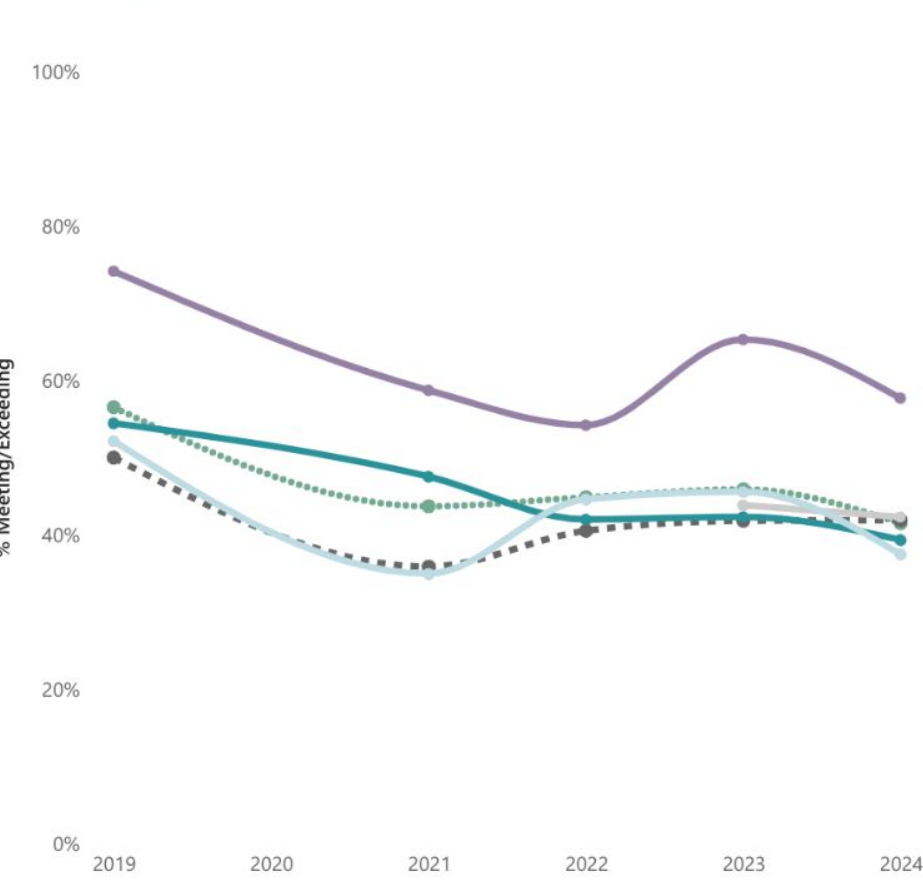
## % Meeting/Exceeding by Testing Grade Level - Math

● % Meeting/Exceeding — State Average

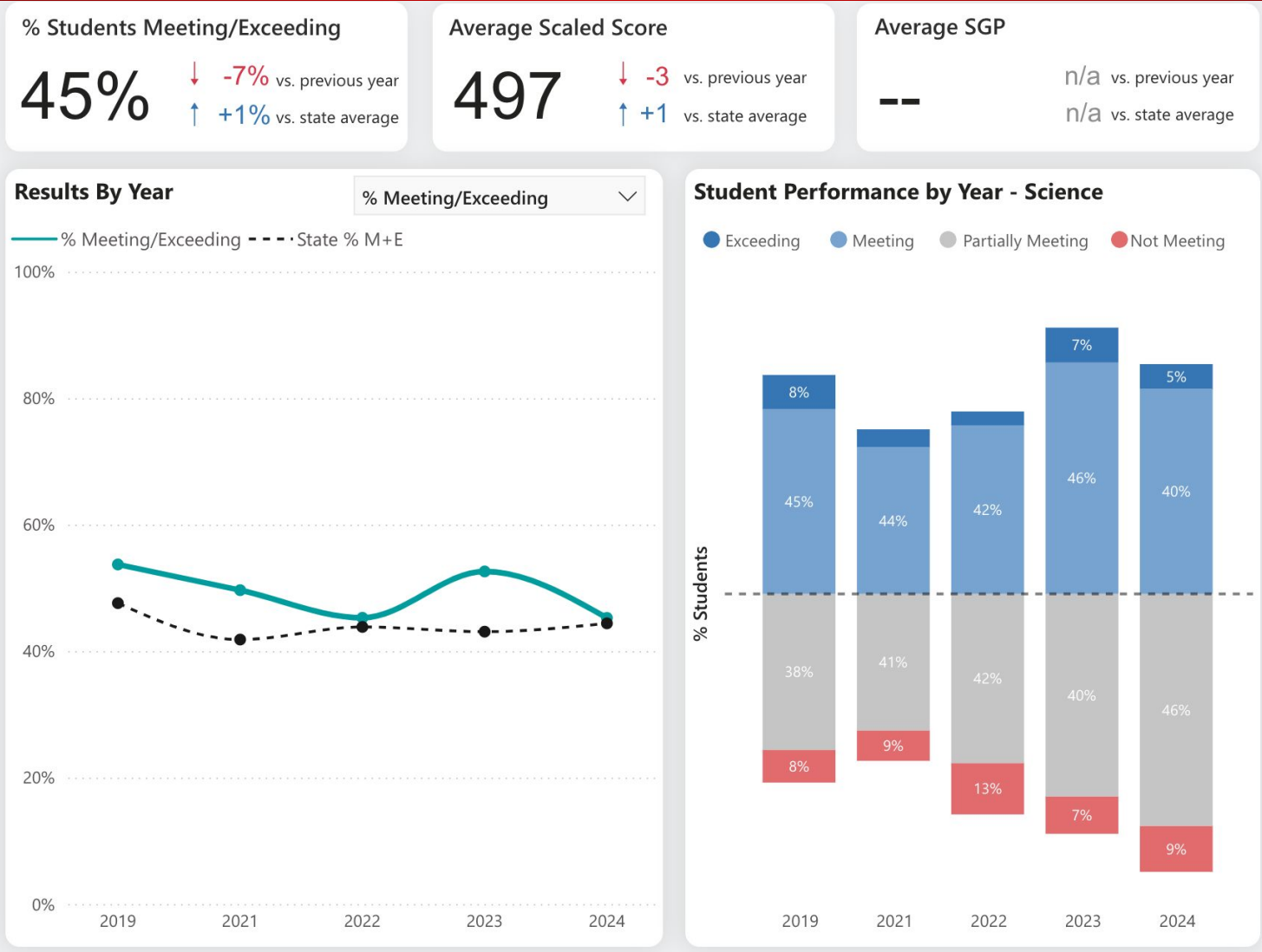


## % Meeting/Exceeding over Time by School - Math

● State Avg. ● District Avg. ● Highlighted: John F. Ryan., Center Elem... & 2 other/s



# District Overview of Performance Science



# School Level Performance - Science

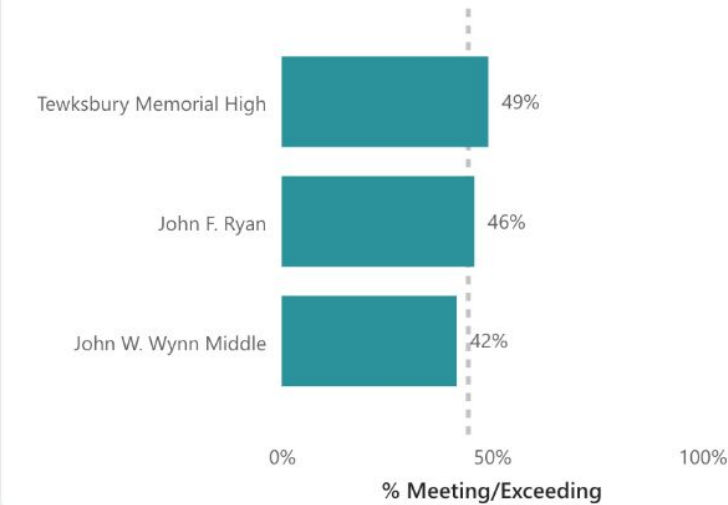
% Meeting/Exceeding over Time by School - Science

(click ' + ' to view grade levels)

Group	2019	2021	2022	2023	2024
All Schools	54%	50%	45%	53%	45%
John F. Ryan	60%	55%	49%	50%	46%
John W. Wynn Middle	47%	44%	42%	53%	42%
Tewksbury Memorial ...				55%	49%
Total	54%	50%	45%	53%	45%

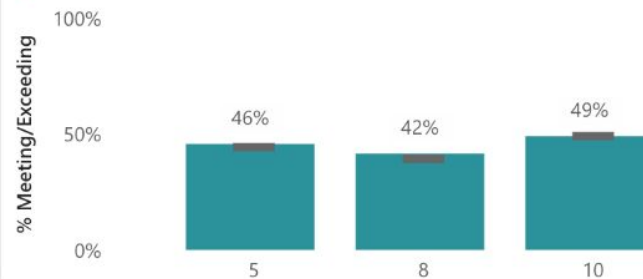
% Meeting/Exceeding by School - Science

-- State Average All Students



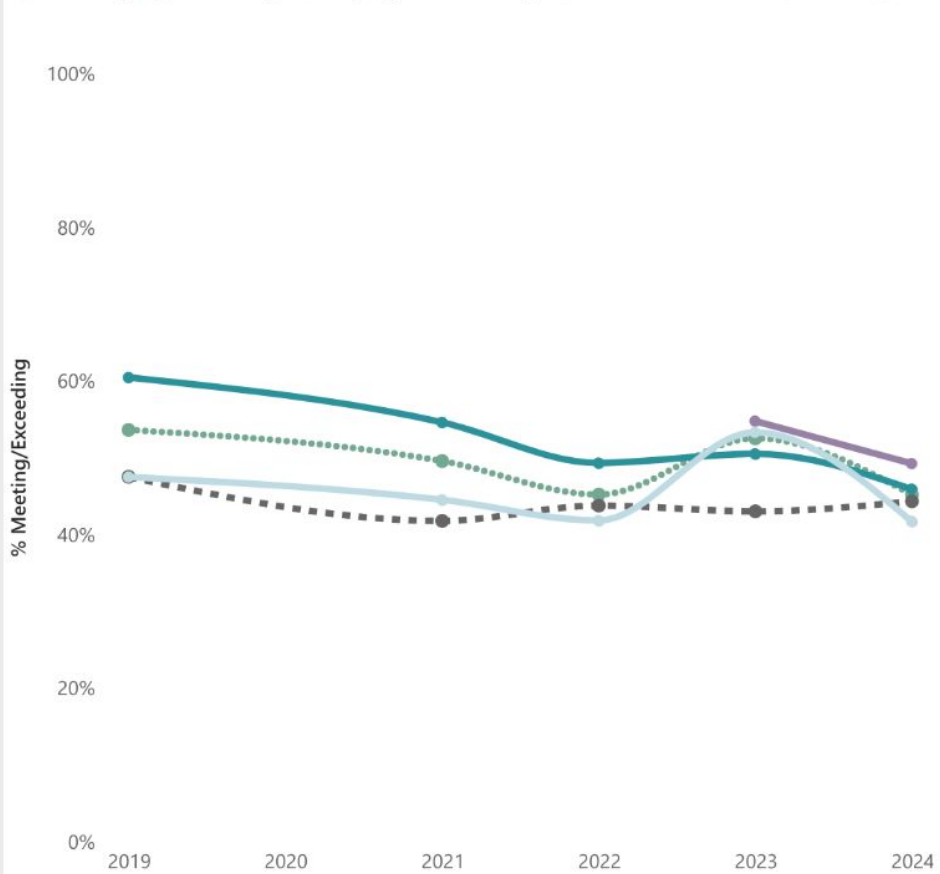
% Meeting/Exceeding by Testing Grade Level - Science

● % Meeting/Exceeding — State Average



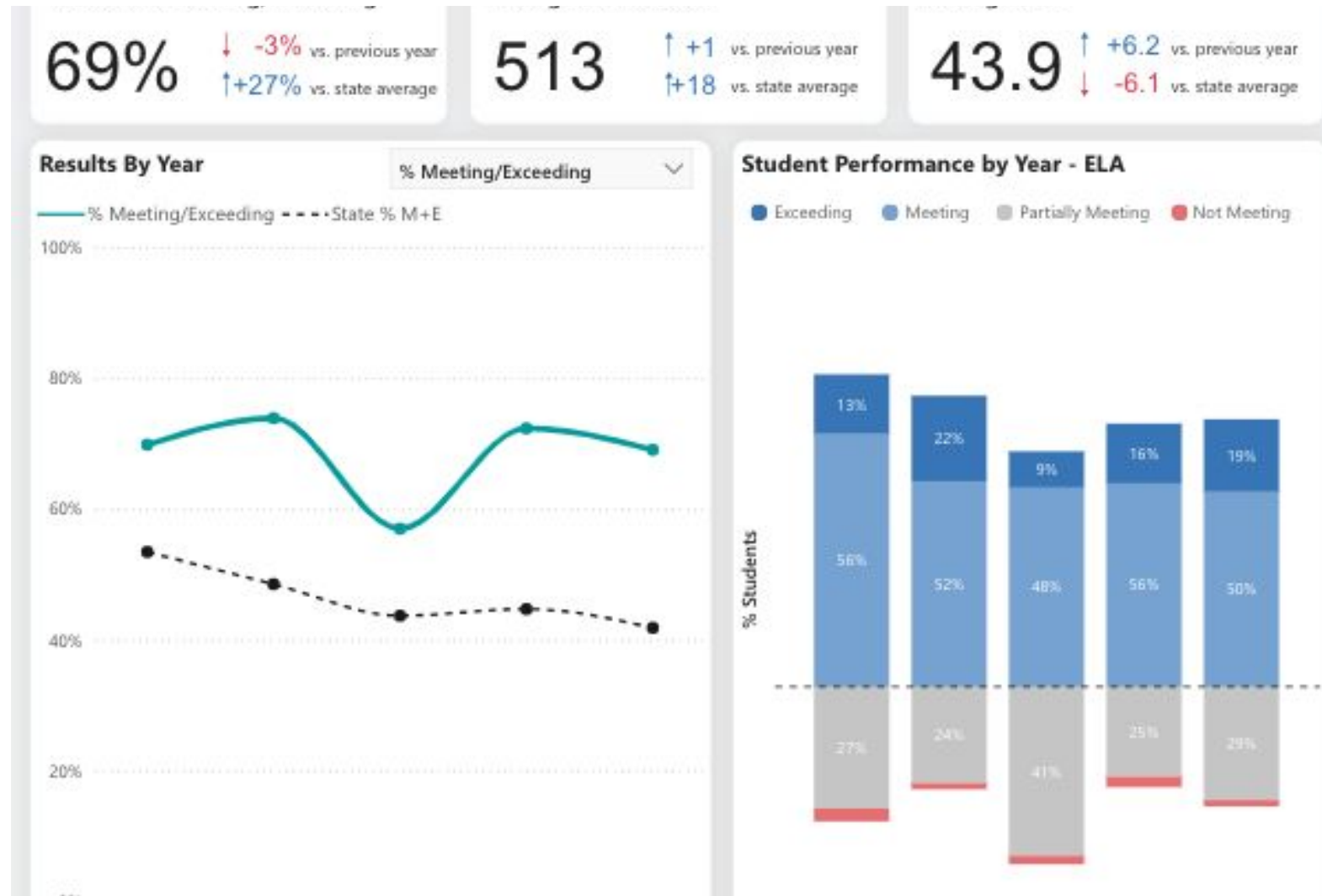
% Meeting/Exceeding over Time by School - Science

● State Avg. ● District Avg. ● Highlighted: John F. Ryan..., Center Elem... & 2 other/s



# TMHS

## English Language Arts Proficiency



# TMHS

## Mathematics Proficiency

% Students Meeting/Exceeding

**58%** ↓ -8% vs. previous year  
↑ +16% vs. state average

Average Scaled Score

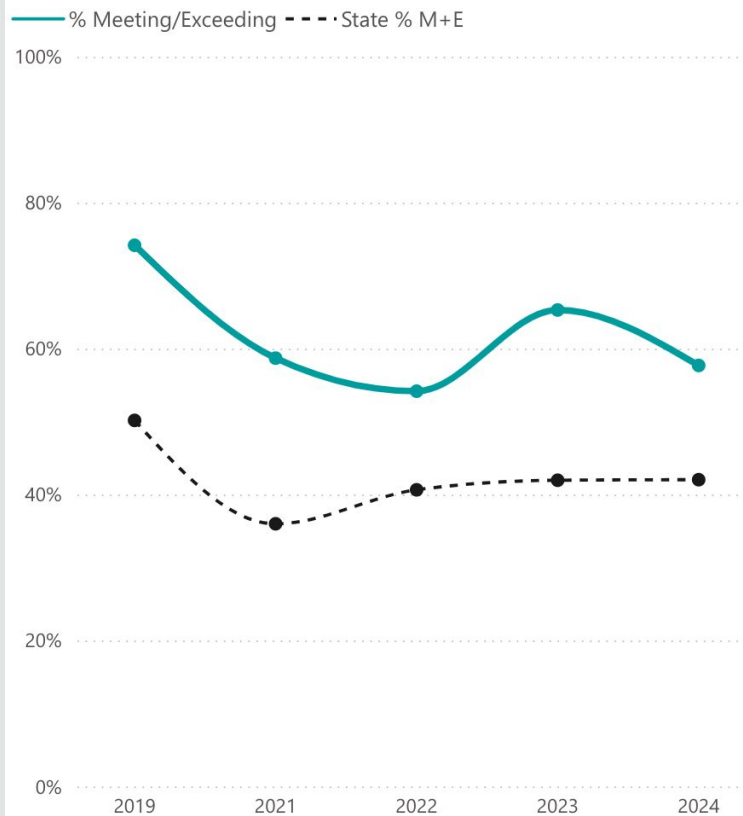
**504** ↓ -3 vs. previous year  
↑ +9 vs. state average

Average SGP

**47.9** ↑ +5.9 vs. previous year  
↓ -2.1 vs. state average

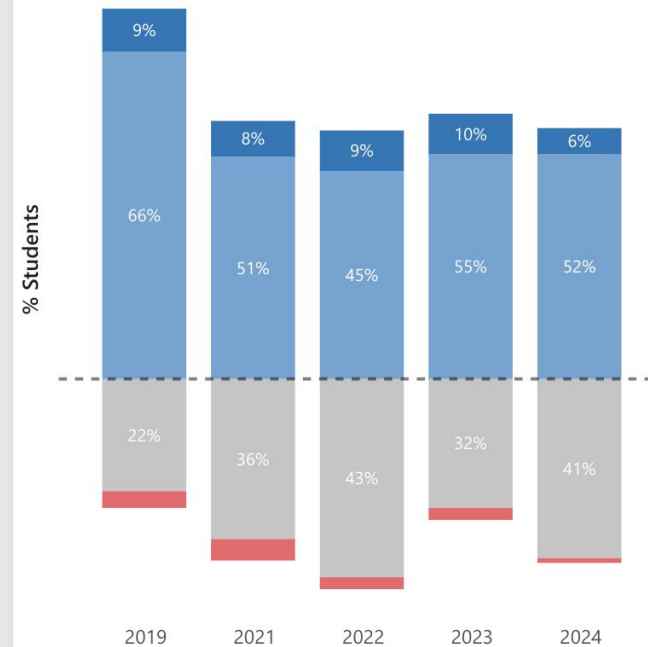
Results By Year

% Meeting/Exceeding



Student Performance by Year - Math

● Exceeding ● Meeting ● Partially Meeting ● Not Meeting



# TMHS

## Science Proficiency

### % Students Meeting/Exceeding

**49%** ↓ -6% vs. previous year  
↑ +5% vs. state average

### Average Scaled Score

**501** ↓ -2 vs. previous year  
↑ +5 vs. state average

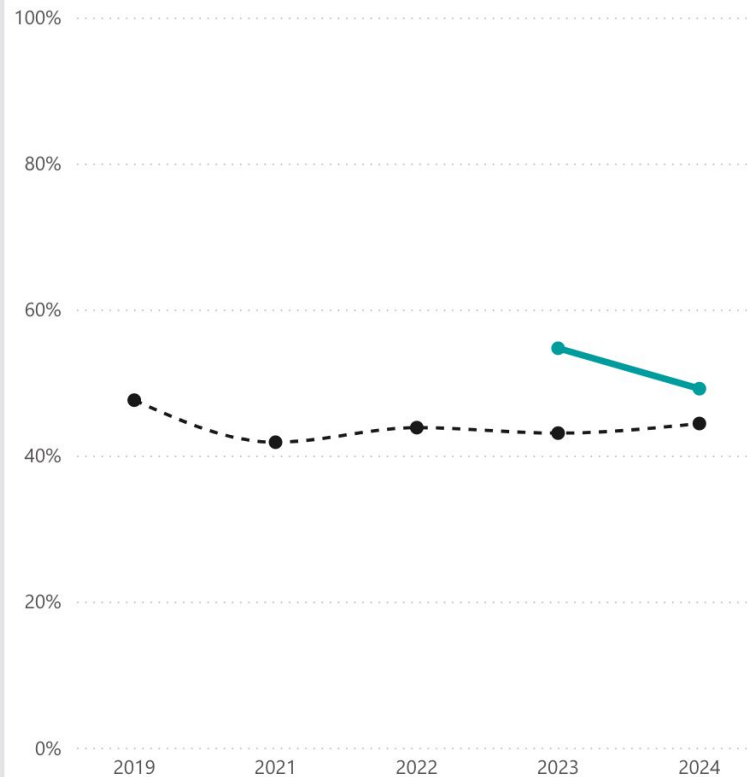
### Average SGP

**--** n/a vs. previous year  
n/a vs. state average

### Results By Year

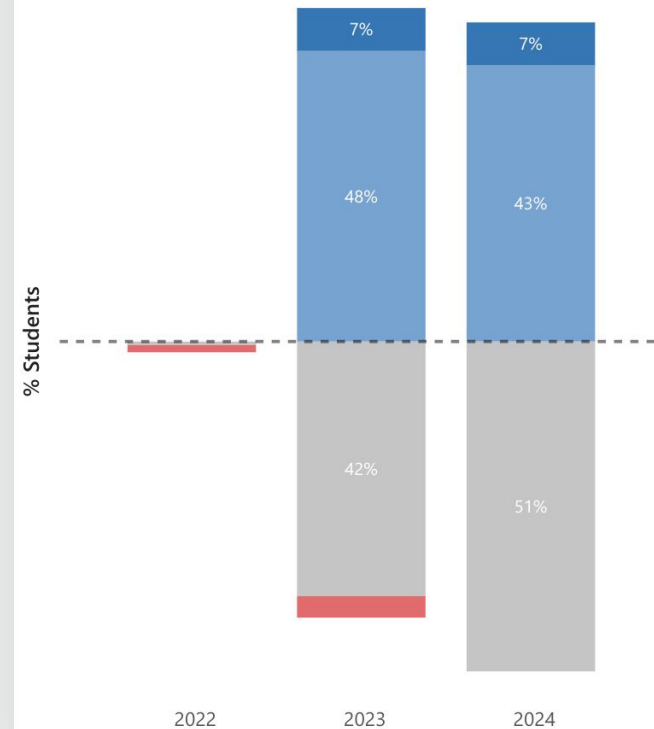
% Meeting/Exceeding

— % Meeting/Exceeding - - - State % M+E



### Student Performance by Year - Science

● Exceeding ● Meeting ● Partially Meeting ● Not Meeting



# Chronic Absenteeism Non-High School

Chronic absenteeism - Non-high school							<a href="#">About the Data</a>
Group	2023 Rate (%)	2024 Rate (%)	Change	Target	N	Points	Reason
All Students	16.6	14.8	-1.8	15.3	528	3	Met Target
Lowest Performing	33.9	21.2	-12.7	30.4	52	4	Exceeded Target
High needs	25.0	24.0	-1.0	22.4	225	2	Improved Below Target
Low income	28.5	27.4	-1.1	24.8	146	2	Improved Below Target
EL and Former EL	18.9	10.5	-8.4	15.9	38	4	Exceeded Target
Students w/ disabilities	29.7	27.4	-2.3	26.4	113	2	Improved Below Target
Amer. Ind. or Alaska Nat.	-	-	-	-	-	-	-
Asian	-	-	-	-	23	-	-
Afr. Amer./Black	3.7	8.0	4.3	1.0	25	3	Met Target
Hispanic/Latino	26.9	13.2	-13.7	23.2	53	4	Exceeded Target
Multi-race, Non-Hisp./Lat.	-	-	-	-	9	-	-
Nat. Haw. or Pacif. Isl.	-	-	-	-	-	-	-
White	16.1	15.8	-0.3	14.7	418	2	Improved Below Target



# Chronic Absenteeism High School

Chronic absenteeism - High school							<a href="#">About the Data</a>
Group	2023 Rate (%)	2024 Rate (%)	Change	Target	N	Points	Reason
All Students	18.5	13.1	-5.4	16.2	732	4	Exceeded Target
Lowest Performing	28.6	18.6	-10.0	22.8	43	4	Exceeded Target
High needs	34.8	26.6	-8.2	31.0	214	4	Exceeded Target
Low income	37.7	25.8	-11.9	32.6	163	4	Exceeded Target
EL and Former EL	-	-	-	-	32	-	-
Students w/ disabilities	43.0	32.5	-10.5	38.6	80	4	Exceeded Target
Amer. Ind. or Alaska Nat.	-	-	-	-	1	-	-
Asian	-	-	-	-	39	-	-
Afr. Amer./Black	-	-	-	-	44	-	-
Hispanic/Latino	-	-	-	-	72	-	-
Multi-race, Non-Hisp./Lat.	-	-	-	-	9	-	-
Nat. Haw. or Pacif. Isl.	-	-	-	-	-	-	-
White	17.3	12.7	-4.6	14.8	567	4	Exceeded Target



# District Takeaways

- Accountability percentiles remained consistent
- Student growth percentiles are mostly typical (non-HS)
- Achievement and SGP gaps still exist (SWD, HN, LI)
- Achievement levels need to improve
- HS Achievement levels and SGP improved
- Chronic Absenteeism is improving

# Actions Needed

In Progress	Next Steps
<ul style="list-style-type: none"><li>● Refine implementation of SST within the MTSS, starting with strong Tier I instruction with provide interventions</li><li>● Continued focus on Early Literacy<ul style="list-style-type: none"><li>○ Heggerty</li><li>○ Foundations</li></ul></li><li>● K-6 Implementation of EL Education</li><li>● Continue implementation of new math curriculum units K-4<ul style="list-style-type: none"><li>○ Instructional Coaching Model in math - training our teachers to use the concrete, pictorial abstract to support students within the classroom.</li></ul></li></ul>	<ul style="list-style-type: none"><li>● Further examine math domains and clusters for student success<ul style="list-style-type: none"><li>○ Implement and analyze Aimsweb and IXL math data</li></ul></li><li>● Common Formative assessments in OTUS to track student progress toward the standards and reporting</li><li>● Utilizing data more effectively to Increase opportunities for inclusive practices in the classrooms</li></ul>

# Appendix

- [English Language Arts Achievement Grades 3-8](#)
- [Mathematics Achievement Grades 3-8](#)
- [Science Achievement Grades 5 & 8](#)
- [English Language Arts Achievement TMHS](#)
- [Mathematics Achievement – TMHS](#)
- [Science Achievement – TMHS](#)
- [Student Growth Percentiles](#)
- [English Language Arts SGP Grades 4-8 Subgroups](#)
- [Mathematics SGP Grades 4-8 Subgroups](#)
- [English Language Arts SGP – TMHS](#)
- [Mathematics SGP – TMHS](#)