



PUBLIC SCHOOLS of
BROOKLINE

MCAS Trends & Analysis

Dr. Jodi Fortuna

Deputy Superintendent of Teaching and Learning

October 29, 2024

English Language Arts (ELA)

Districtwide Data

% of Students Meeting/Exceeding Expectations

70%

↓ -3% vs. previous year

↑ +28% vs. state average

Average Scaled Score

512

↓ -1 vs. previous year

↑ +17 vs. state average

Average Student Growth Percentile (SGP)

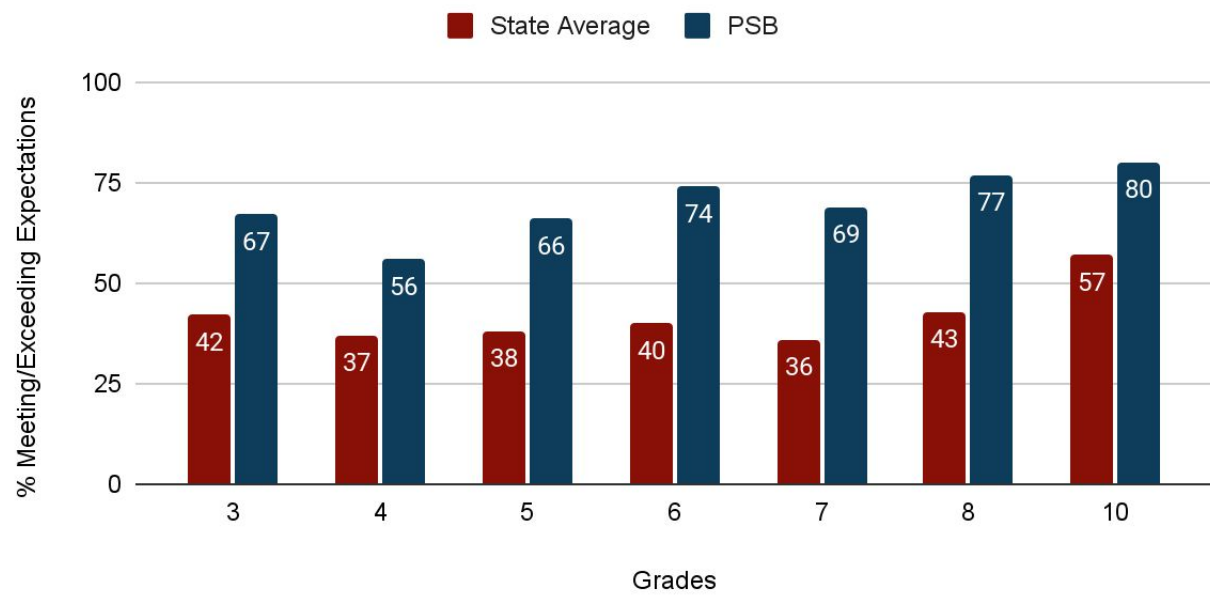
58.8

↑ +1.4 vs. previous year

↑ +8.8 vs. state average

English Language Arts (ELA)

% of Students Meeting/Exceeding Expectations by Testing Grade Level



English Language Arts (ELA)

Comparing 2023 and 2024

% of Students Meeting/Exceeding Expectations

Grade	PSB			State		
	2023	2024	Difference	2023	2024	Difference
3	60	70	+10	41	44	+3
4	66	65	-1	45	46	+1
5	69	70	+1	41	40	-1
6	71	72	+1	41	40	-1
7	78	75	-3	38	37	-1
8	79	78	-1	38	38	0
10	83	81	-2	50	48	-2
3-8	70	72	+2	41	41	0

Student Growth Percentile (SGP)

Grade	2023	2024	Difference
4	46.7	55.6	+8.9
5	57.7	62.3	+4.6
6	56.2	56.7	+0.5
7	68.5	71.5	+3.0
8	55.6	57.0	+1.4
10	55.9	52.2	-3.7
3-8	57.1	60.3	+3.2

English Language Arts (ELA)

Greater Than Average Growth

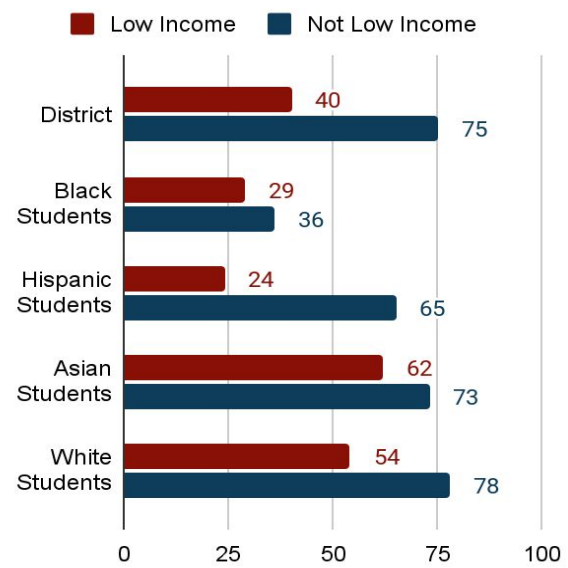
	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Baker				75.5	
Driscoll			73.5		
FRR		63.8	63.2		
Hayes	65.2		61.6		
Lawrence		62.3		75.5	62.2
Lincoln	61.1	71.7	69.2	62.9	70.8
Pierce			75		61.3
Runkle		64.9	62.1	62.5	61.3



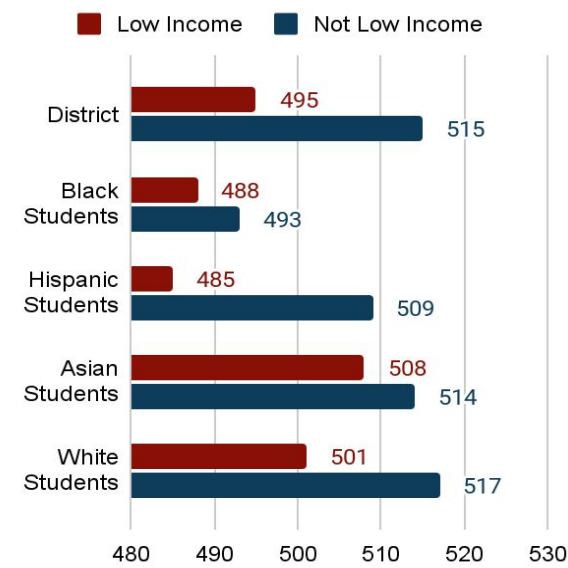
English Language Arts (ELA)

Comparison by Income and Race

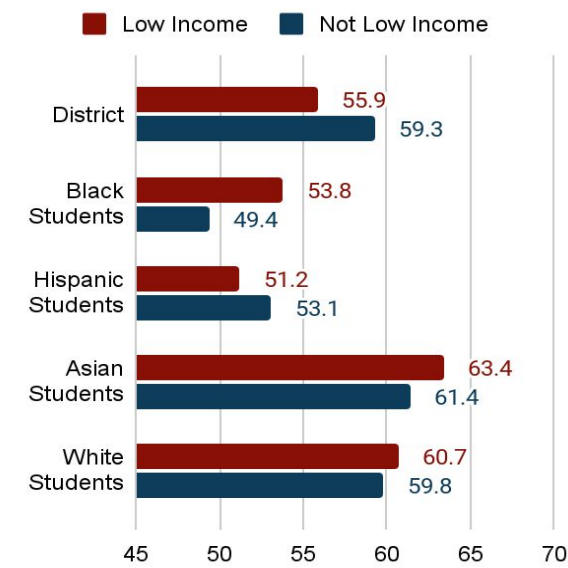
% Exceeding Expectations



Average Scaled Score



Average SGP



Districtwide Data

% of Students Meeting/Exceeding Expectations

73%

0% vs. previous year

↑ +31% vs. state average

Average Scaled Score

513

0 vs. previous year

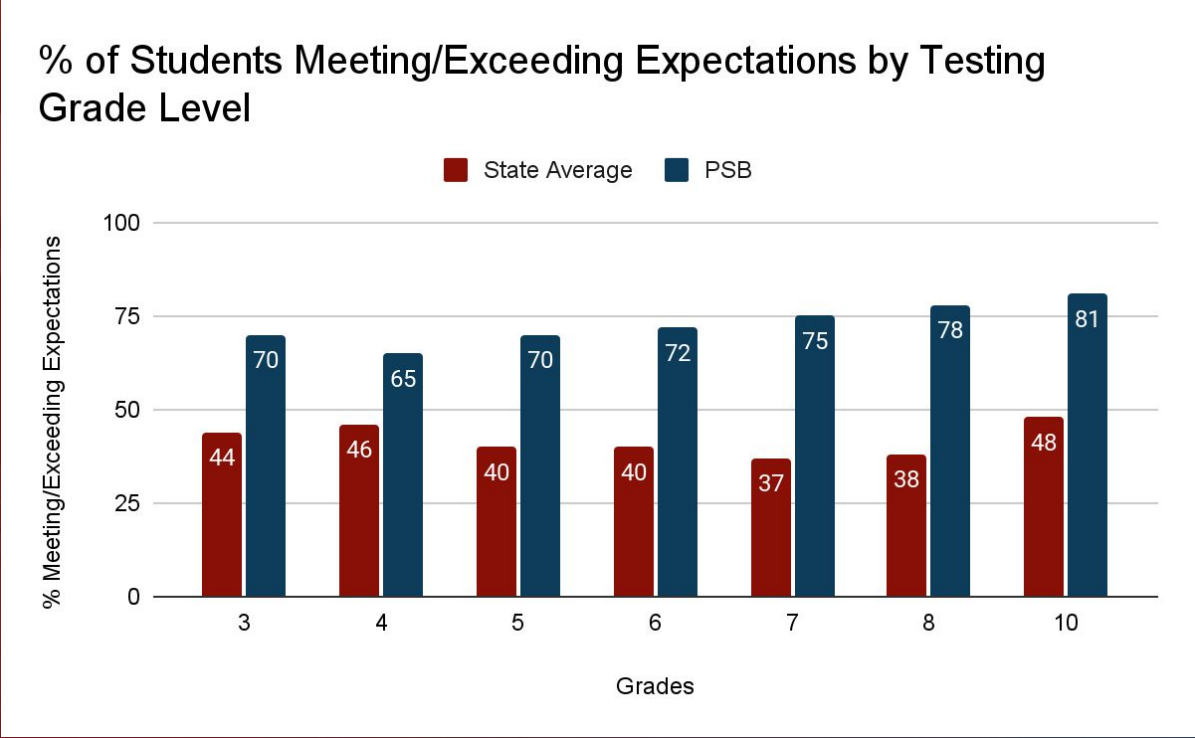
↑ +18 vs. state average

Average Student Growth Percentile (SGP)

59.0

↑ +2.2 vs. previous year

↑ +9.0 vs. state average



Comparing 2023 and 2024

% of Students Meeting/Exceeding Expectations

Grade	PSB			State		
	2023	2024	Difference	2023	2024	Difference
3	64	67	+3	44	42	-2
4	63	56	-7	40	37	-3
5	69	66	-3	44	38	-6
6	70	74	+4	42	40	-2
7	73	69	-4	40	36	-4
8	81	77	-4	44	43	-1
10	85	80	-5	58	57	-1
3-8	70	68	-2	42	39	-3

Student Growth Percentile (SGP)

Grade	2023	2024	Difference
4	49.5	56.2	+6.7
5	59.2	59.4	-0.2
6	57.6	65.0	+7.4
7	58.5	61.3	+2.8
8	60.9	58.6	-2.3
10	57.1	52.0	-5.1
3-8	57.5	60.1	+2.6

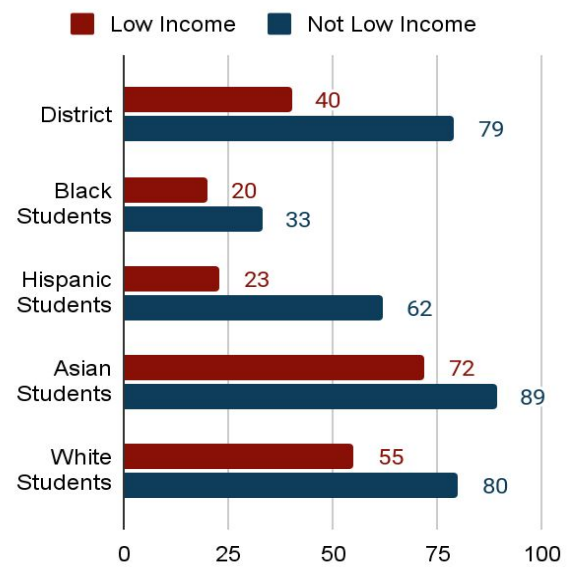
Math

Greater Than Average Growth

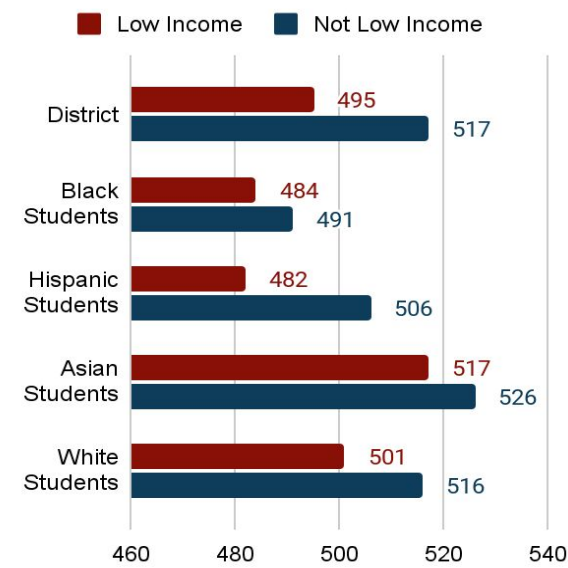
	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
Baker		64		78	
Driscoll		61.5			
FRR		69.6	60.9	72.7	
Hayes				77.9	
Lawrence		68.3	62.2	84.8	74.5
Lincoln		65.6		76.8	80.0
Pierce		61.1		61.1	67.2
Runkle		72.3	69.8	64.2	

Comparison by Income and Race

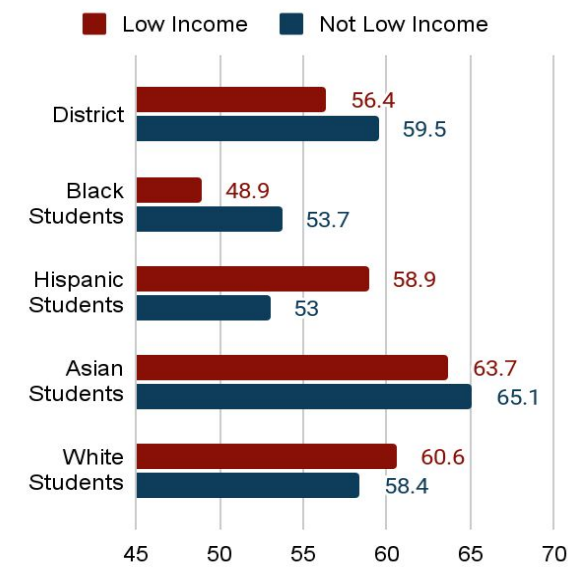
% Exceeding Expectations



Average Scaled Score



Average SGP





PUBLIC SCHOOLS of
BROOKLINE

2024 ELA & Math MCAS Trends

English Learners & Former English Learners

Mindy A. Paulo

Director, Office of English Language Education

October 29, 2024

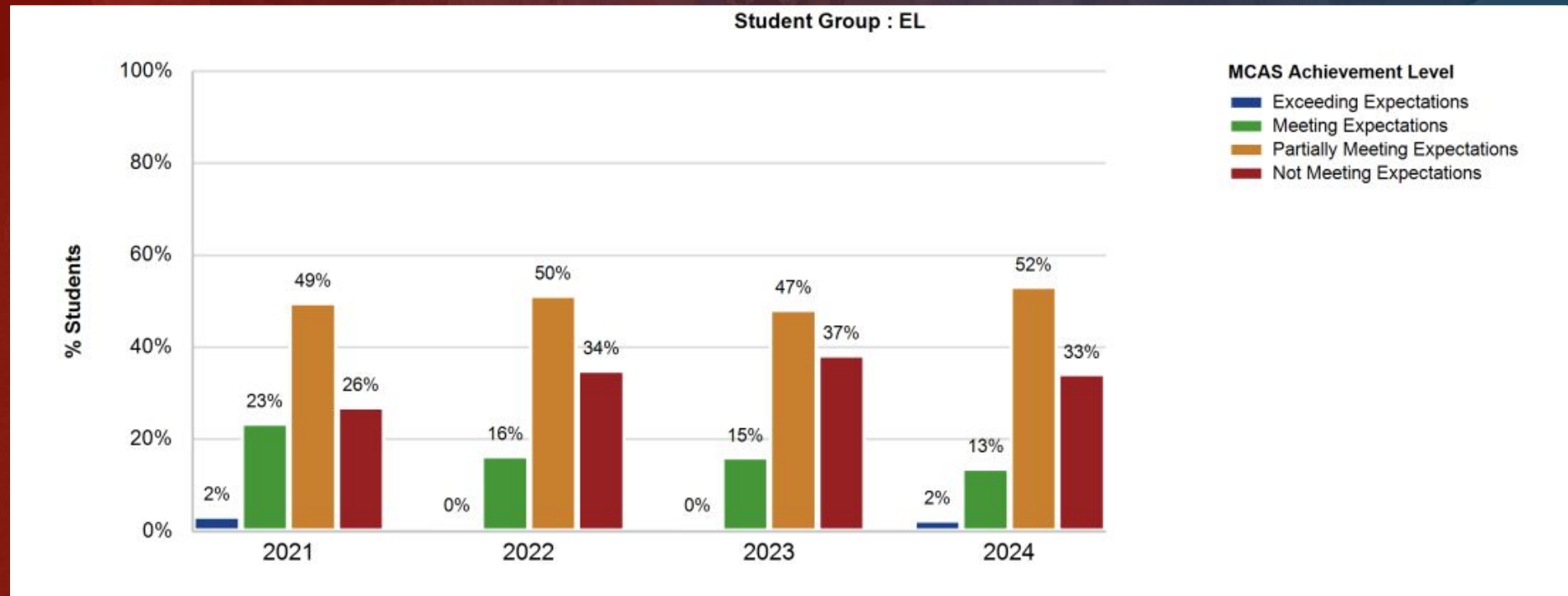
Participation Requirements

- **English learners must participate in all MCAS testing scheduled for their grades regardless of the program and services they are receiving.**
 - All English learners are required to participate in MATH MCAS
 - All English learners who have been in U.S. schools for more than one year are required to participate in ELA MCAS
 - ELA MCAS is optional for English learners who have not yet completed one year in U.S. schools
 - English learners with the most significant cognitive disabilities who, due to the nature and severity of their disabilities, are unable to participate in the standard MCAS tests, even with accommodations, are eligible for the MCAS-Alt

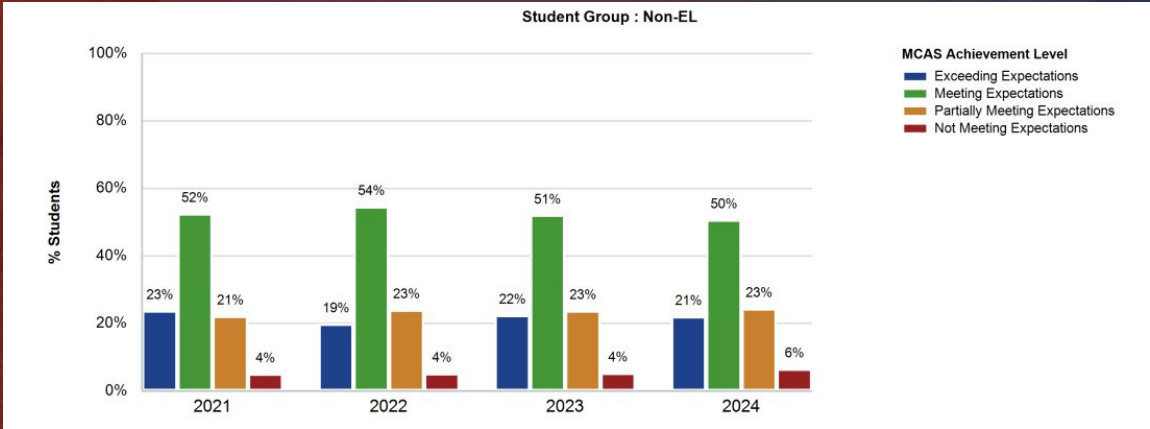
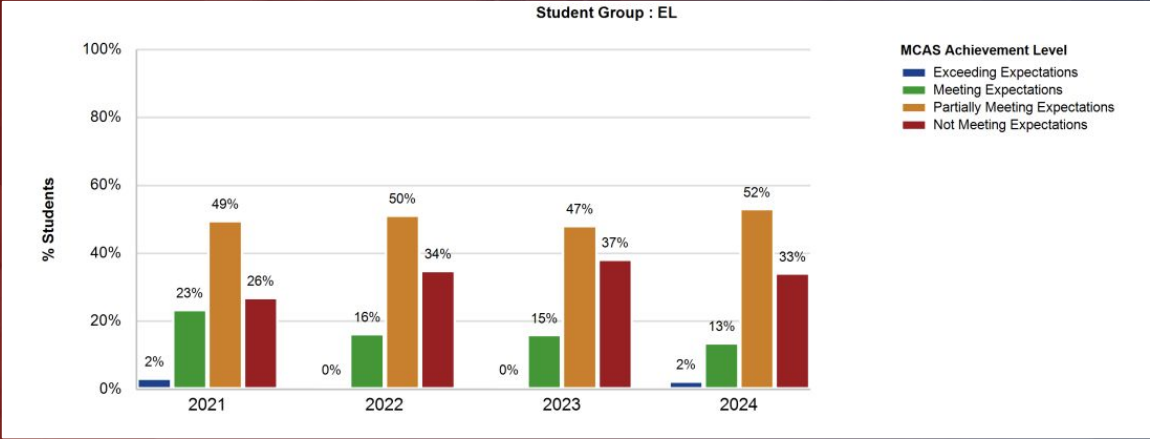
English Learners: English Language Arts - Grades 3-8

	2021		2022		2023		2024	
	District	State	District	State	District	State	District	State
Exceeding Expectations	2%	0%	0%	0%	0%	0%	2%	0%
Meeting Expectations	23%	8%	16%	6%	15%	6%	13%	4%
Partially Meeting Expectations	49%	43%	50%	42%	47%	38%	52%	36%
Not Meeting Expectations	26%	49%	34%	53%	37%	56%	33%	59%
Average Scaled Score	484	472	480	470	479	468	480	467
N Students	168	36,247	129	38,836	171	41,510	195	45,034
Participation Rate	99%	95%	98%	98%	98%	98%	99%	98%
Mean SGP	40	30	48	42	45	47	61	46
Median SGP	35	21	54	38	41	45	62	45

English Learners: English Language Arts - Grades 3-8



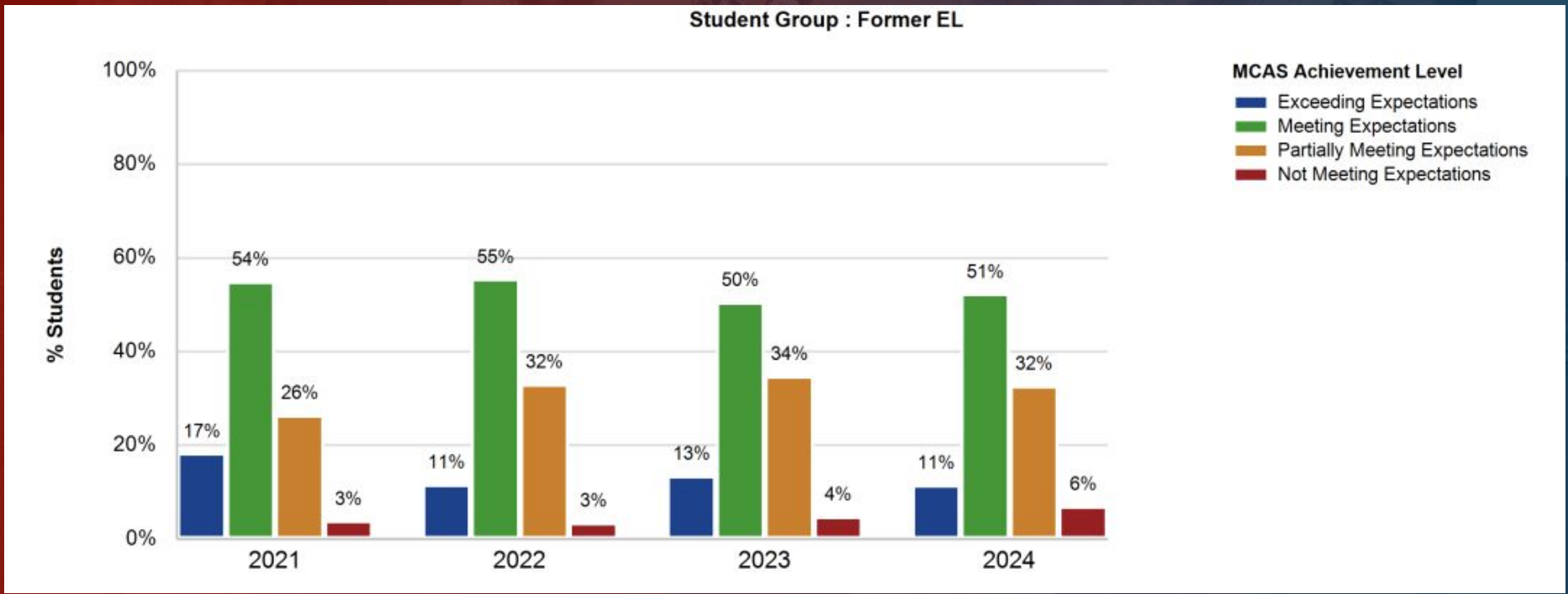
EL and Non-EL: English Language Arts - Grades 3-8



Former English Learners: English Language Arts - Grades 3-8

	2021		2022		2023		2024	
	District	State	District	State	District	State	District	State
Exceeding Expectations	17%	5%	11%	4%	13%	4%	11%	4%
Meeting Expectations	54%	35%	55%	33%	50%	33%	51%	29%
Partially Meeting Expectations	26%	45%	32%	50%	34%	48%	32%	51%
Not Meeting Expectations	3%	14%	3%	13%	4%	15%	6%	16%
Average Scaled Score	510	494	507	493	506	493	505	492
N Students	270	35,044	280	34,308	286	33,558	311	32,804
Participation Rate	99%	96%	99%	99%	100%	99%	99%	99%
Mean SGP	56	36	60	53	60	52	60	53
Median SGP	58	28	65	54	65	53	64	54

Former English Learners: English Language Arts - Grades 3-8



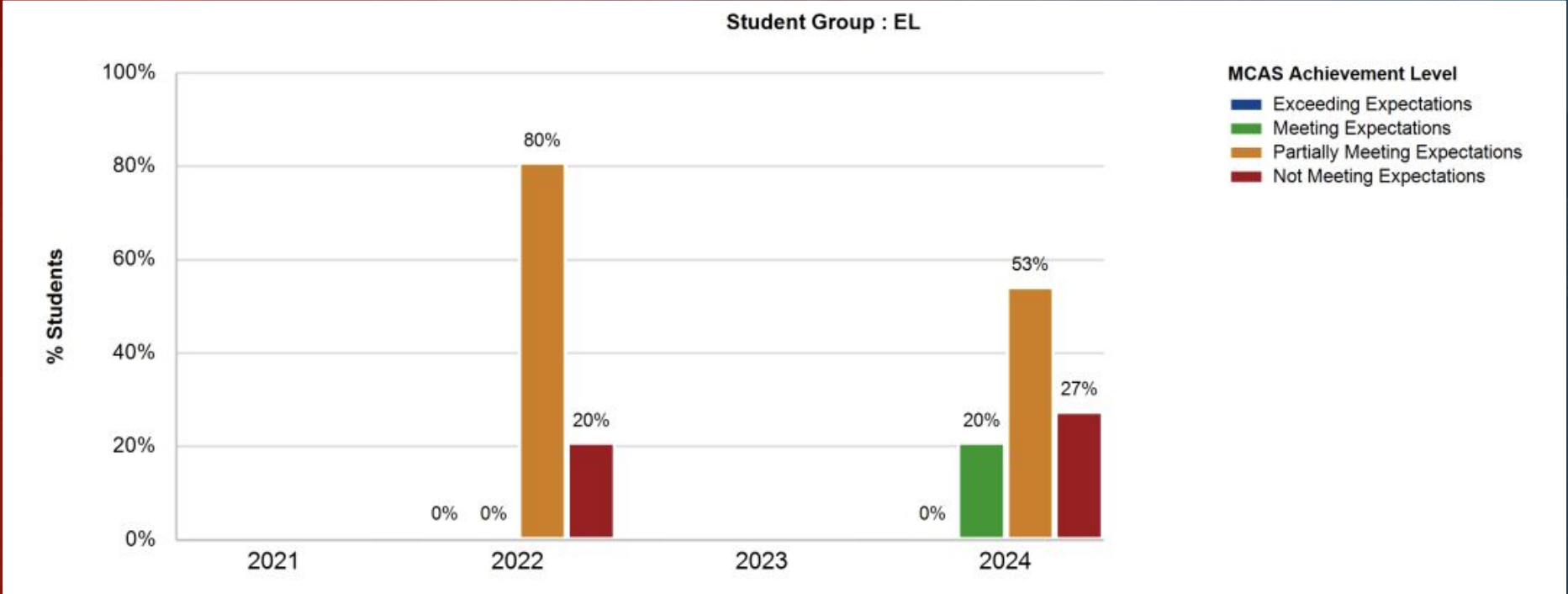
The background of the slide is a composite image. The top half shows a school building with several windows, partially obscured by trees with autumn-colored leaves. The bottom half shows a group of students in an outdoor setting, possibly a courtyard or garden. One student in the foreground is holding a sign that says "Tickets Only".

English Language Arts (ELA) Grade 10

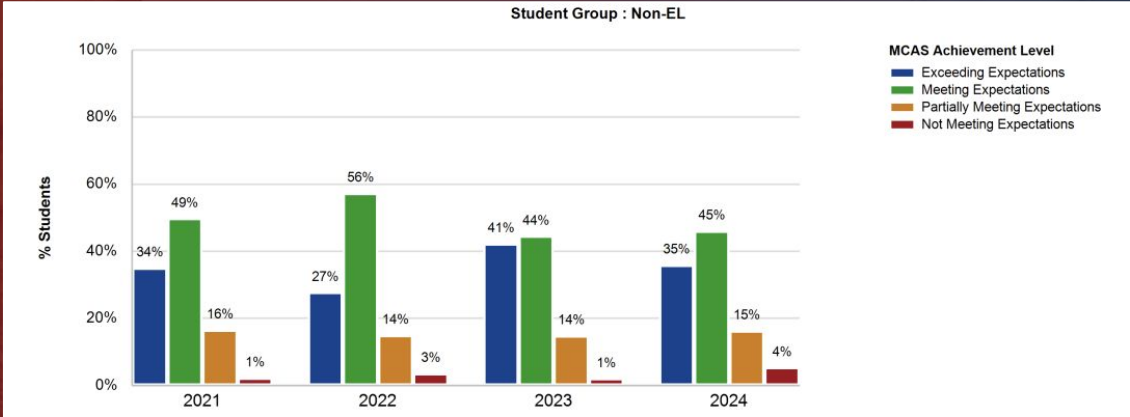
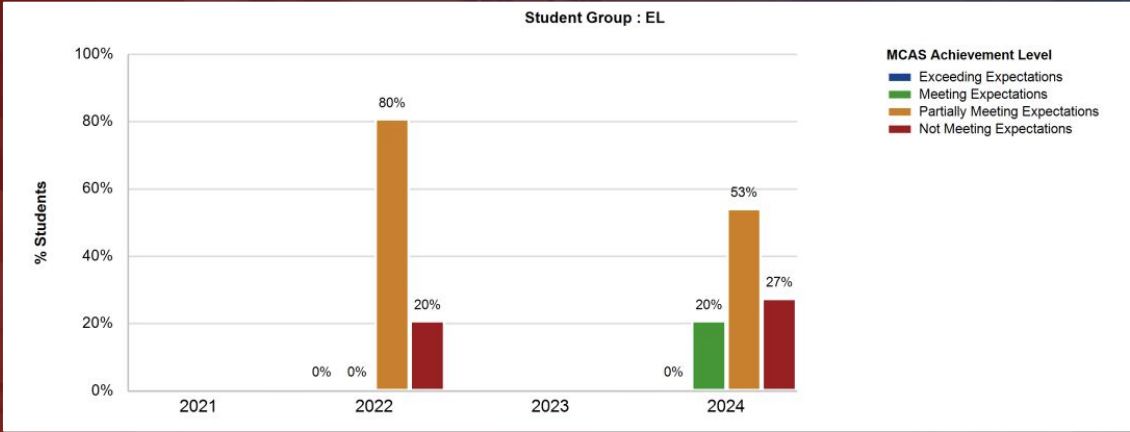
English Learners: English Language Arts - Grade 10

	2021		2022		2023		2024	
	District	State	District	State	District	State	District	State
Exceeding Expectations			0%	0%			0%	0%
Meeting Expectations			0%	4%			20%	3%
Partially Meeting Expectations			80%	48%			53%	32%
Not Meeting Expectations			20%	48%			27%	65%
Average Scaled Score		465	475	470		465	481	465
N Students	7	3,942	10	3,981	8	5,535	15	5,736
Participation Rate	91%	75%	100%	93%	88%	95%	100%	95%
Mean SGP		40		43		36		44
Median SGP		37		40		31		41

English Learners: English Language Arts - Grade 10



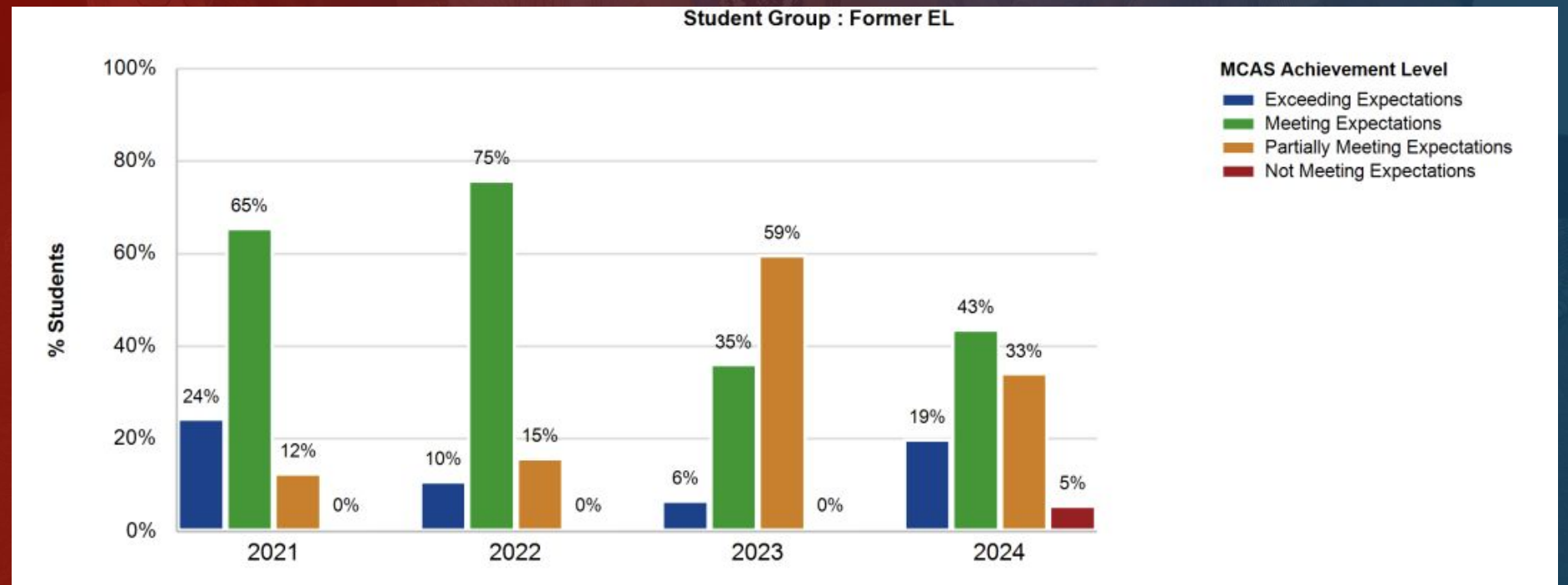
EL and Non-EL: English Language Arts - Grade 10

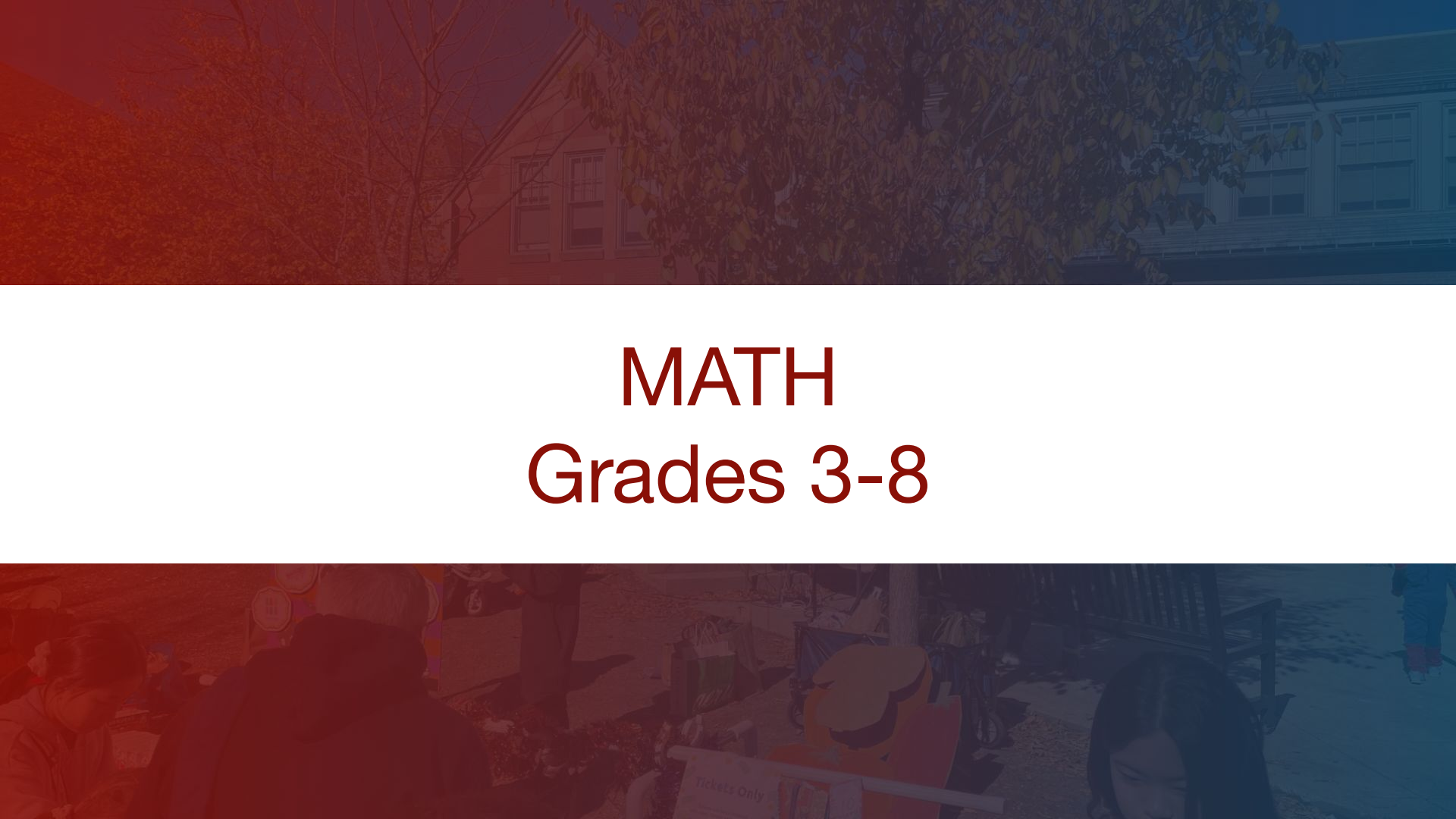


Former English Learners: English Language Arts - Grade 10

	2021		2022		2023		2024	
	District	State	District	State	District	State	District	State
Exceeding Expectations	24%	4%	10%	2%	6%	5%	19%	4%
Meeting Expectations	65%	38%	75%	41%	35%	38%	43%	35%
Partially Meeting Expectations	12%	51%	15%	51%	59%	49%	33%	50%
Not Meeting Expectations	0%	7%	0%	6%	0%	8%	5%	10%
Average Scaled Score	517	497	513	496	502	496	511	495
N Students	17	2,649	20	2,915	17	2,660	21	2,602
Participation Rate	94%	86%	100%	98%	94%	98%	95%	98%
Mean SGP		54		57		49		53
Median SGP		56		59		50		53

Former English Learners: English Language Arts - Grade 10



The background of the slide is a composite of two images. The top half shows a school building with several windows, partially obscured by trees with autumn-colored leaves. The bottom half shows a fair or festival scene with people, including a child in a hat, and a sign that says "Tickets Only".

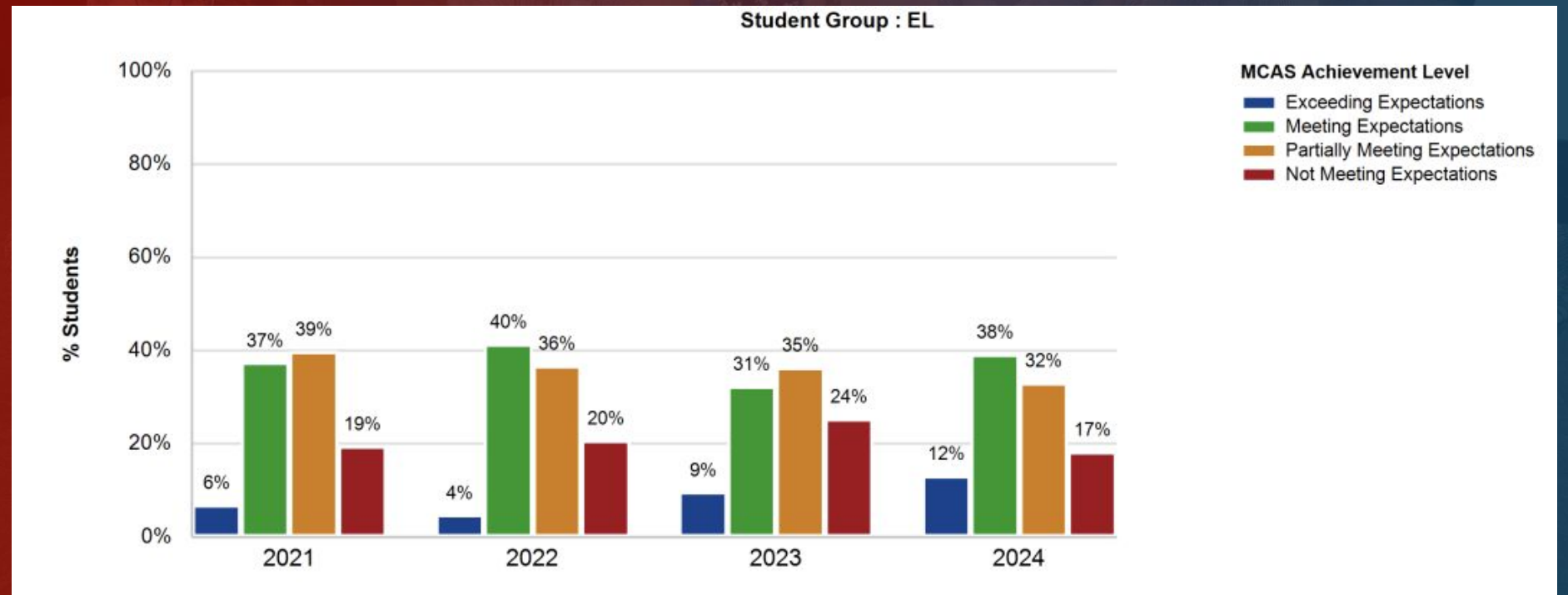
MATH

Grades 3-8

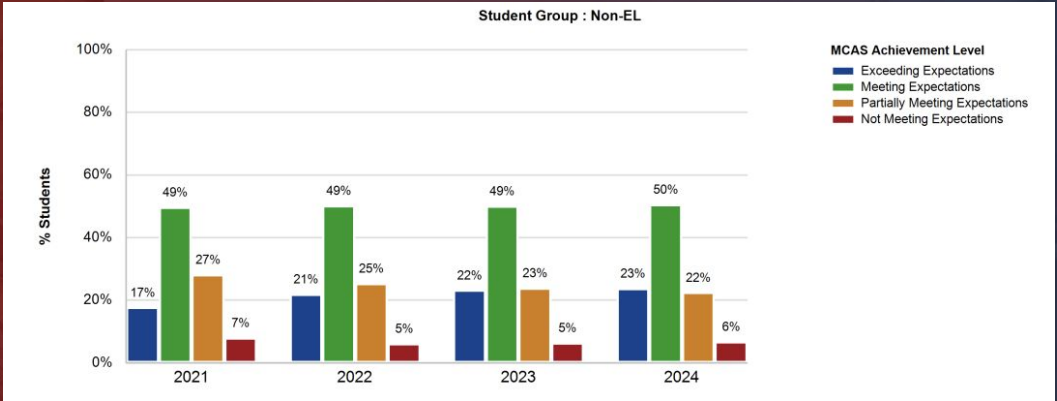
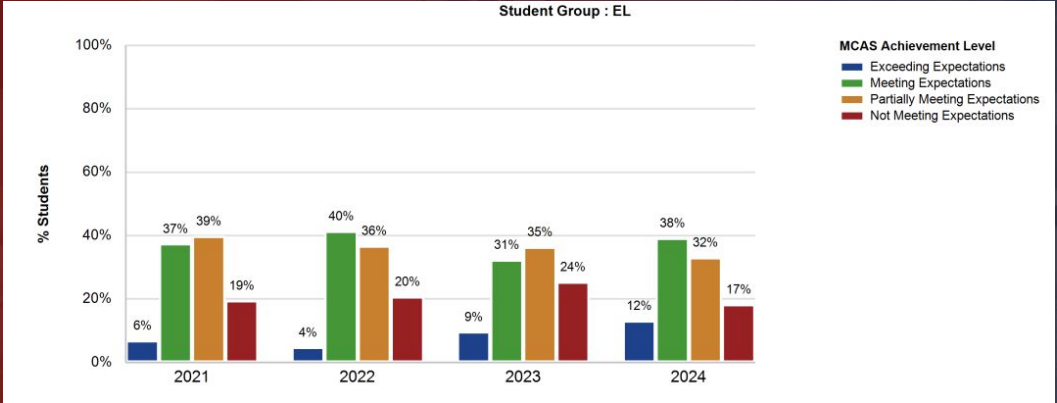
English Learners: Math - Grade 3-8

	2021		2022		2023		2024	
	District	State	District	State	District	State	District	State
Exceeding Expectations	6%	0%	4%	0%	9%	1%	12%	1%
Meeting Expectations	37%	6%	40%	9%	31%	8%	38%	9%
Partially Meeting Expectations	39%	36%	36%	44%	35%	42%	32%	43%
Not Meeting Expectations	19%	58%	20%	47%	24%	49%	17%	47%
Average Scaled Score	494	467	494	473	492	473	499	474
N Students	167	36,318	131	38,940	172	41,699	196	45,266
Participation Rate	98%	95%	98%	99%	99%	99%	98%	99%
Mean SGP	54	28	50	44	54	46	66	47
Median SGP	51	20	52	42	65	44	75	46

English Learners: Math - Grade 3-8



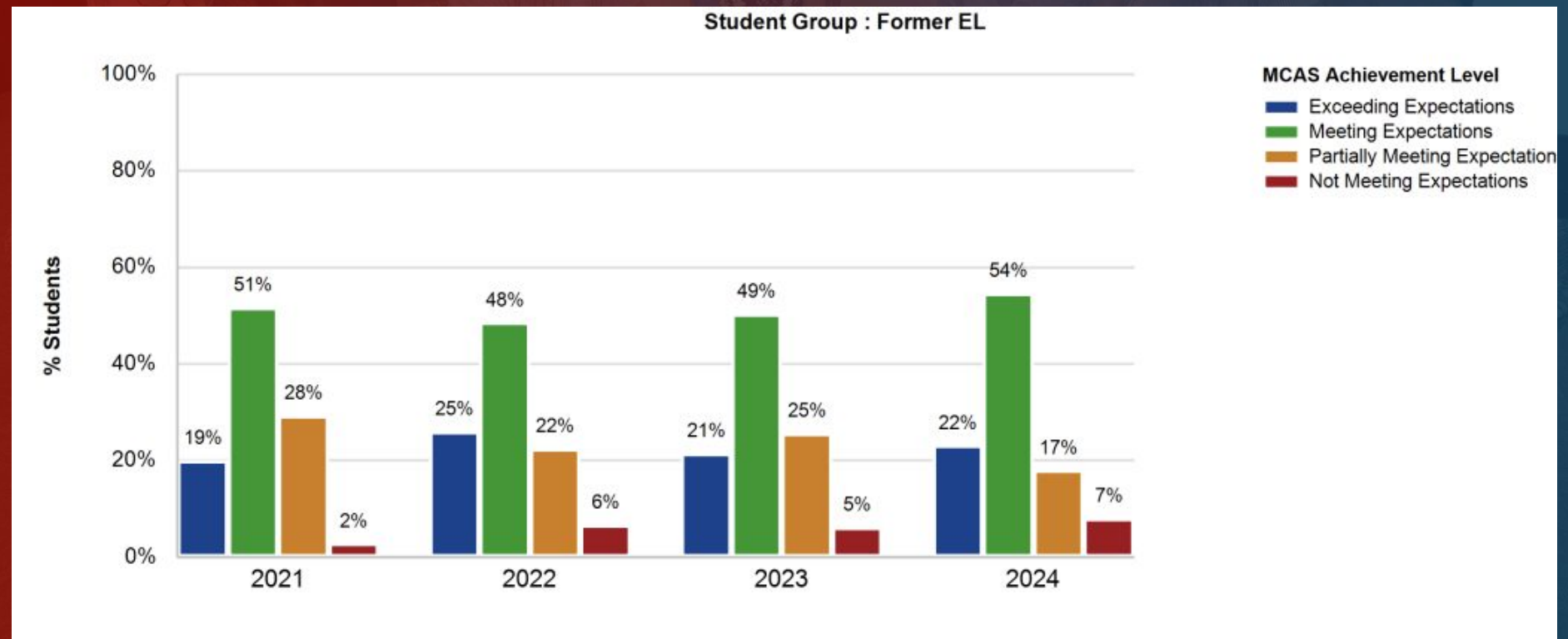
EL and Non-EL: Math - Grade 3-8

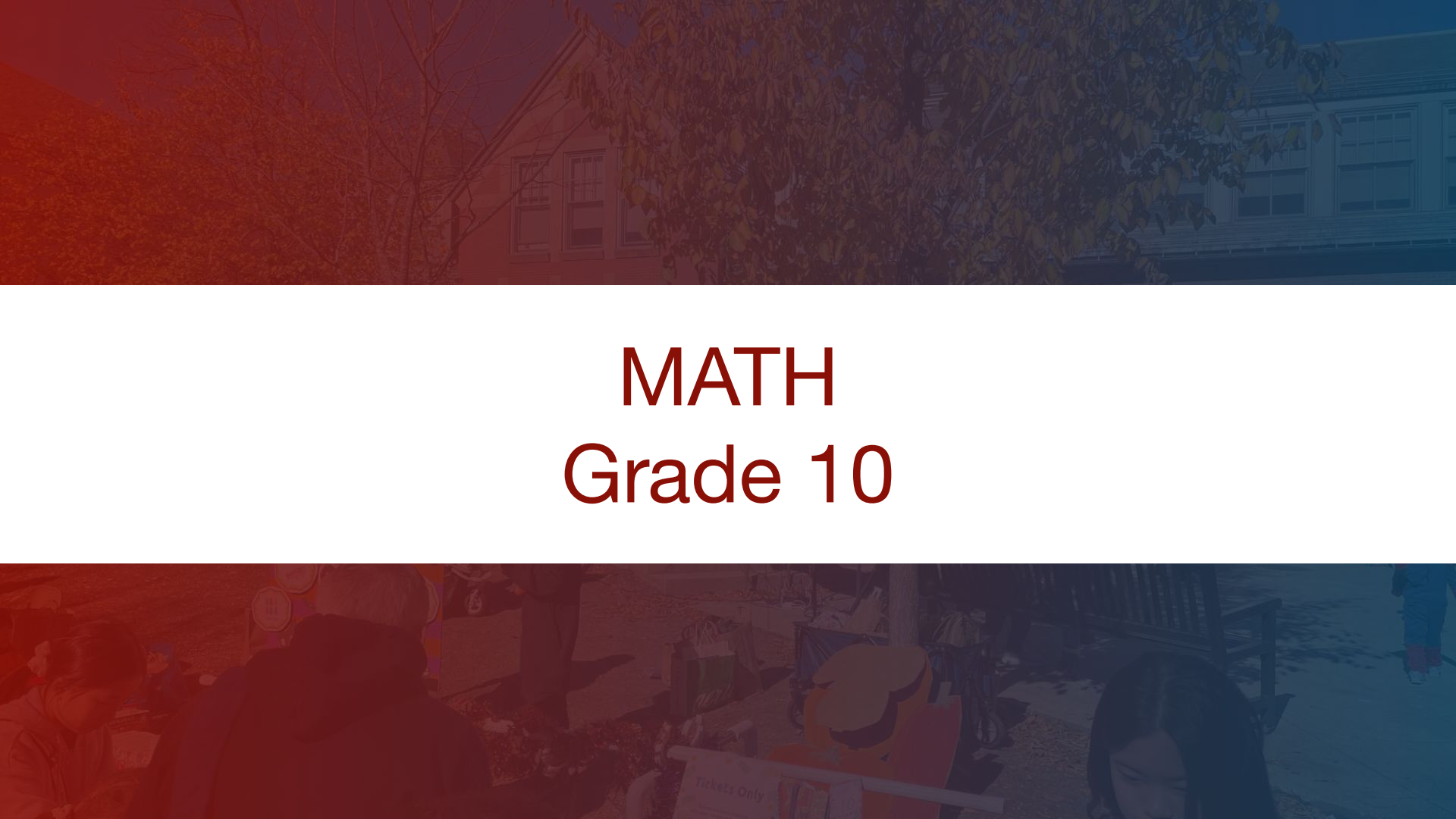


Former English Learners: Math - Grade 3-8

	2021		2022		2023		2024	
	District	State	District	State	District	State	District	State
Exceeding Expectations	19%	4%	25%	5%	21%	6%	22%	6%
Meeting Expectations	51%	25%	48%	31%	49%	31%	54%	31%
Partially Meeting Expectations	28%	51%	22%	51%	25%	48%	17%	50%
Not Meeting Expectations	2%	20%	6%	14%	5%	15%	7%	13%
Average Scaled Score	511	488	514	493	511	494	513	494
N Students	268	35,015	279	34,260	287	33,571	311	32,805
Participation Rate	98%	96%	99%	99%	100%	99%	100%	100%
Mean SGP	52	30	64	52	57	52	64	52
Median SGP	52	20	71	54	62	53	69	53

Former English Learners: Math - Grade 3-8



The background of the slide is a composite image. The top half shows a school building with several windows, partially obscured by trees with autumn-colored leaves. The bottom half shows a group of students in an outdoor setting, possibly a courtyard or garden. One student in the foreground is holding a sign that says "Tickets Only".

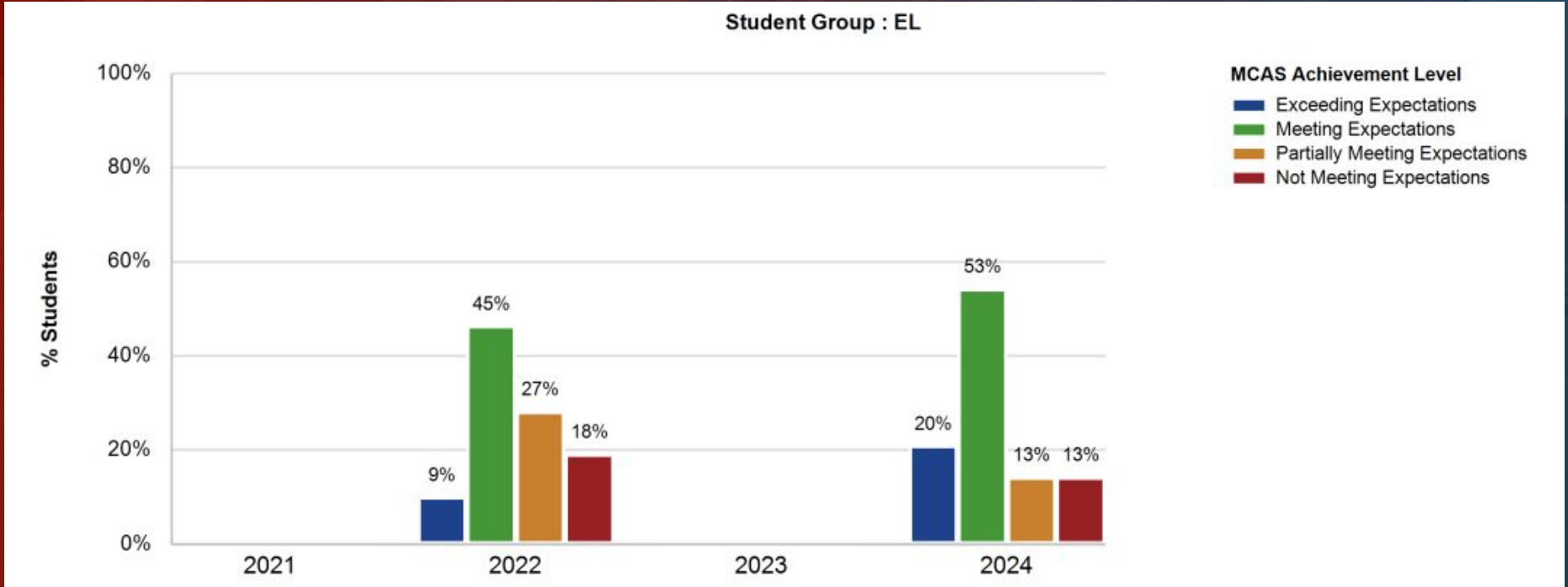
MATH

Grade 10

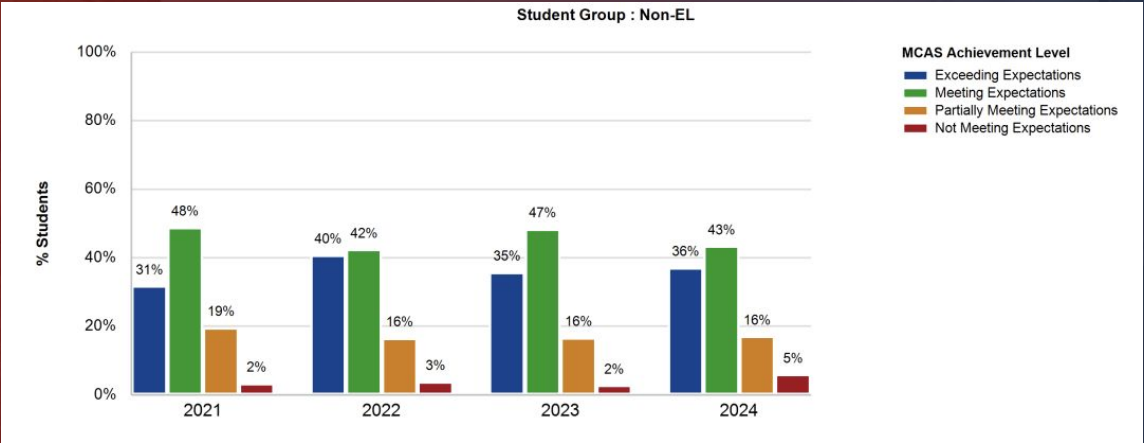
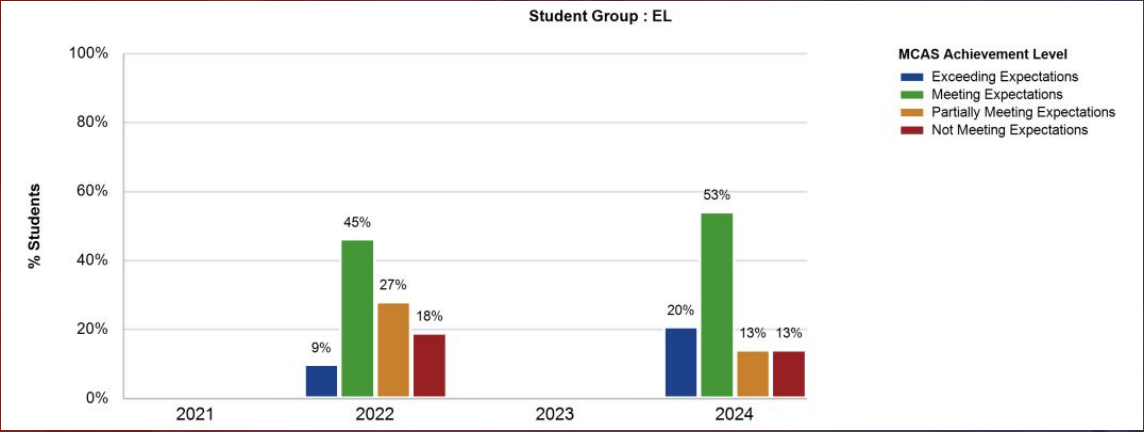
English Learners: Math - Grade 10

	2021		2022		2023		2024	
	District	State	District	State	District	State	District	State
Exceeding Expectations			9%	1%			20%	0%
Meeting Expectations			45%	4%			53%	5%
Partially Meeting Expectations			27%	48%			13%	42%
Not Meeting Expectations			18%	47%			13%	53%
Average Scaled Score		468	497	473		474	510	472
N Students	7	3,919	11	3,906	9	5,421	15	5,631
Participation Rate	91%	74%	100%	95%	81%	95%	96%	95%
Mean SGP		31		43		35		42
Median SGP		24		40		30		37

English Learners: Math - Grade 10



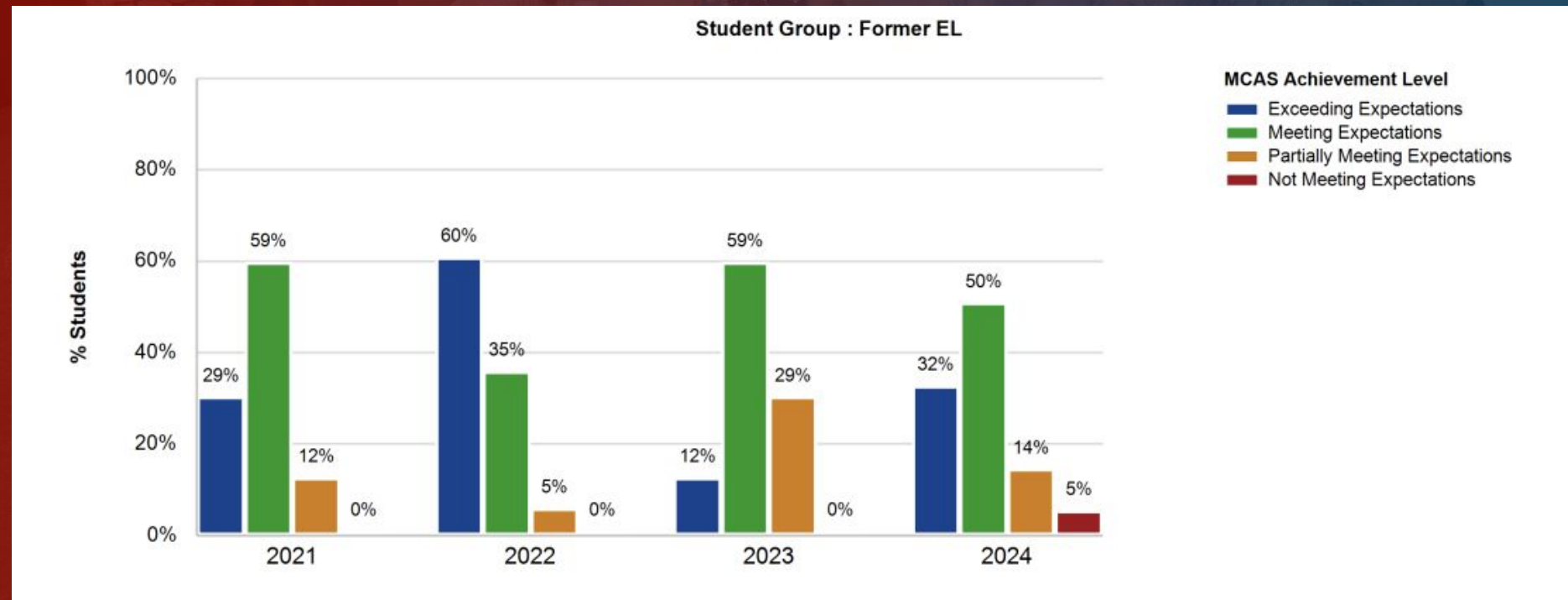
EL and Non-EL: Math - Grade 10



Former English Learners: Math - Grade 10

	2021		2022		2023		2024	
	District	State	District	State	District	State	District	State
Exceeding Expectations	29%	4%	60%	5%	12%	4%	32%	6%
Meeting Expectations	59%	27%	35%	27%	59%	31%	50%	28%
Partially Meeting Expectations	12%	54%	5%	57%	29%	58%	14%	53%
Not Meeting Expectations	0%	14%	0%	12%	0%	8%	5%	13%
Average Scaled Score	519	491	530	493	511	494	520	493
N Students	17	2,633	20	2,912	17	2,635	22	2,605
Participation Rate	94%	86%	100%	99%	94%	97%	100%	98%
Mean SGP		36		53		46		52
Median SGP		31		56		46		52

Former English Learners: Math - Grade 10



THANK YOU



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2024 MCAS Trends

Students with IEPs

Elizabeth O'Connell

Deputy Superintendent for Student Services

October 28, 2024

Review: Accountability Data Definitions

- **Accountability percentile:** An accountability between 1 and 99 is reported for most schools. The number is an indication of the school's overall performance relative to other schools that serve similar grades, and is calculated using multiple years of data for all accountability indicators.
- **Progress toward improvement targets:** The criterion-referenced target percentage combines multiple years of data relative to achievement, growth, English learner progress, and chronic absenteeism into a single number between 0 and 100.
- **Growth (ELA and Math):** All groups are expected to demonstrate annual growth in performance. Student Growth Percentiles (SGP) are used to measure how a group (or individual's achievement has grown or changed over time, compared to others who previously had the same performance level.
- **Progress toward attaining English language proficiency:** This measure is calculated by the percentage of students who meet annual targets that keep them on track to attaining English proficiency, based on ACCESS for ELLs assessment.
- **Chronic absenteeism:** Percentage of students missing 10% or more days in a school year. Includes both excused and unexcused absences.
- **"High Needs":** Population of students including Students with Disabilities, English Learners, and Low Income Students

English Language Arts (ELA) - Students with IEPs

% Students Meeting/Exceeding

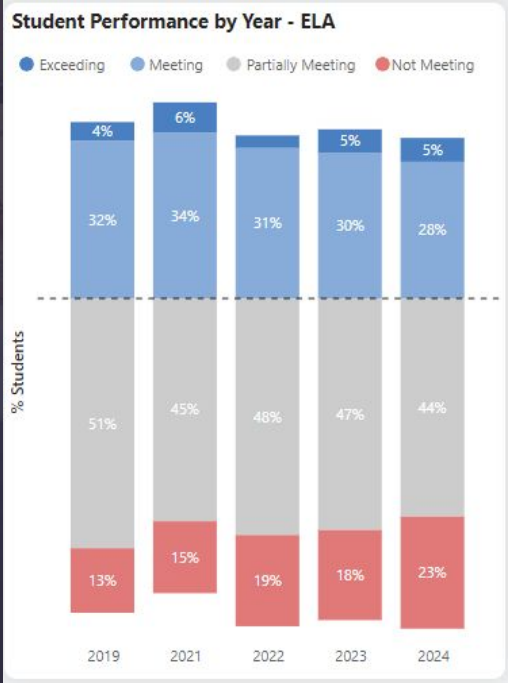
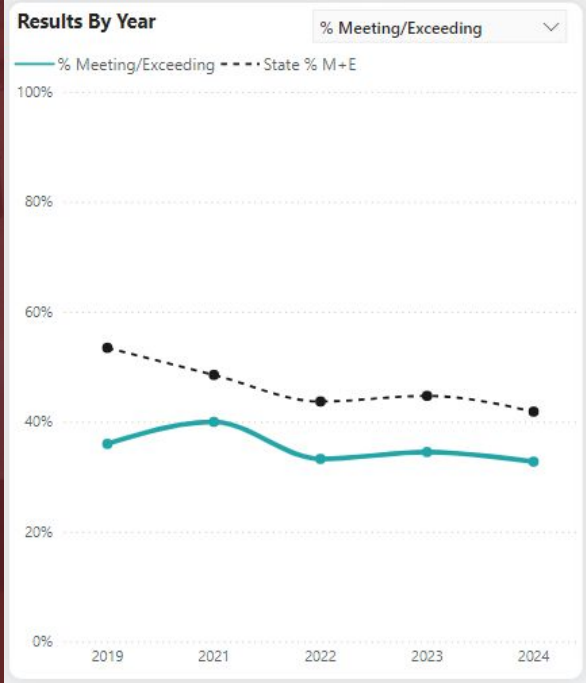
33% ↓ -2% vs. previous year
 ↓ -9% vs. state average

Average Scaled Score

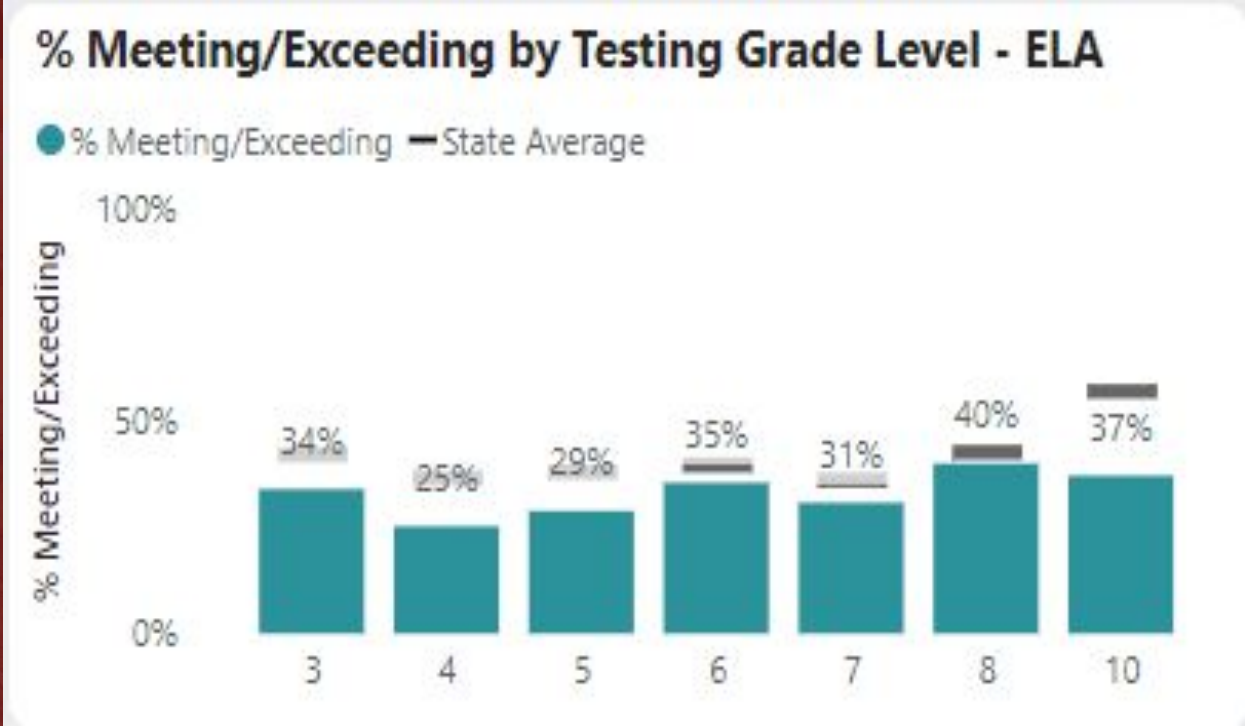
490 ↓ -2 vs. previous year
 ↓ -5 vs. state average

Average SGP

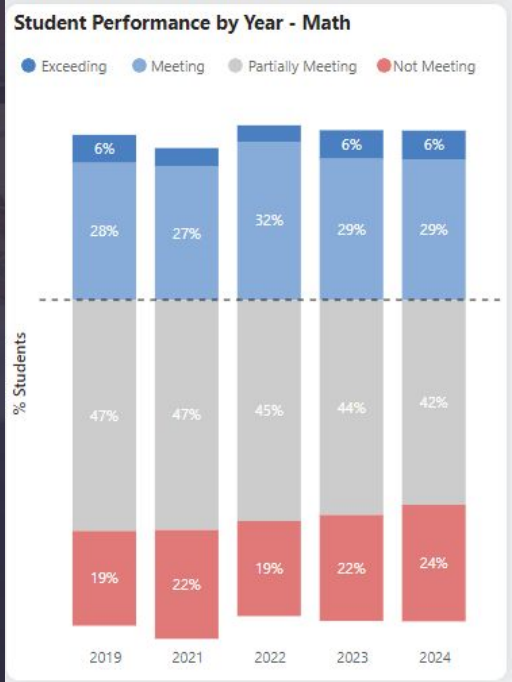
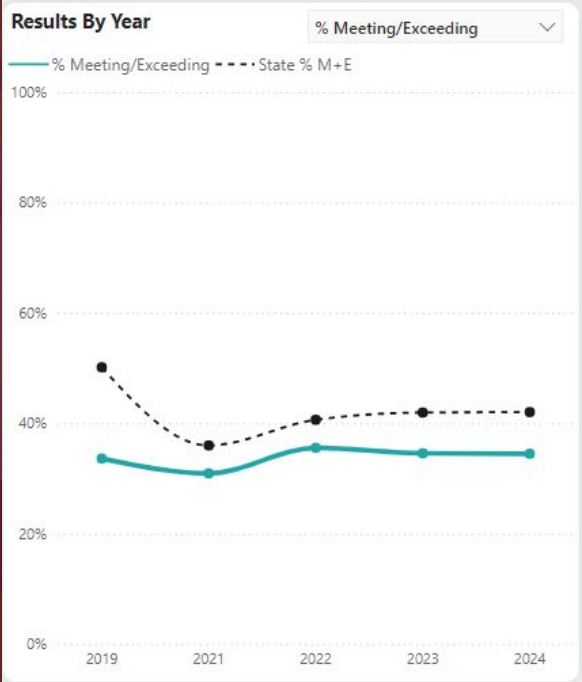
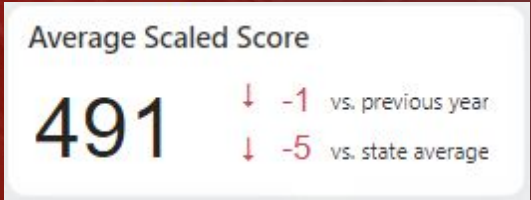
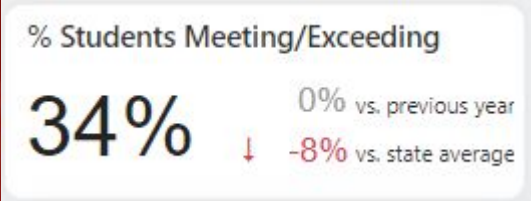
52.5 ↑ +5.2 vs. previous year
 ↑ +2.5 vs. state average



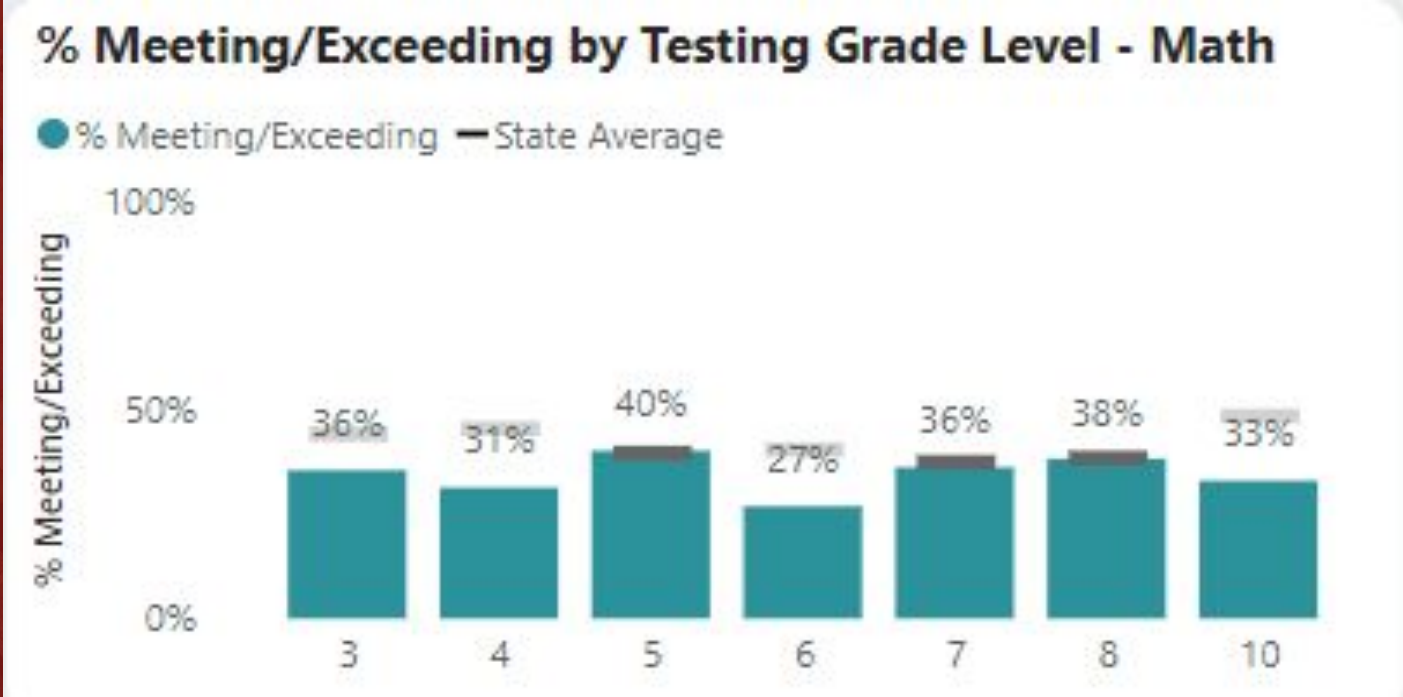
English Language Arts (ELA) - Students with IEPs



Math - Students with IEPs



Math - Students with IEPs



THANK YOU



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