

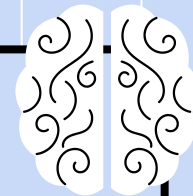
AMSA's Score Report 2023

Benchmarking Our Performance

October 26, 2023



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Charter Accountability

More Than Standardized Test



What is Accountability in MA charters?



Accountability...

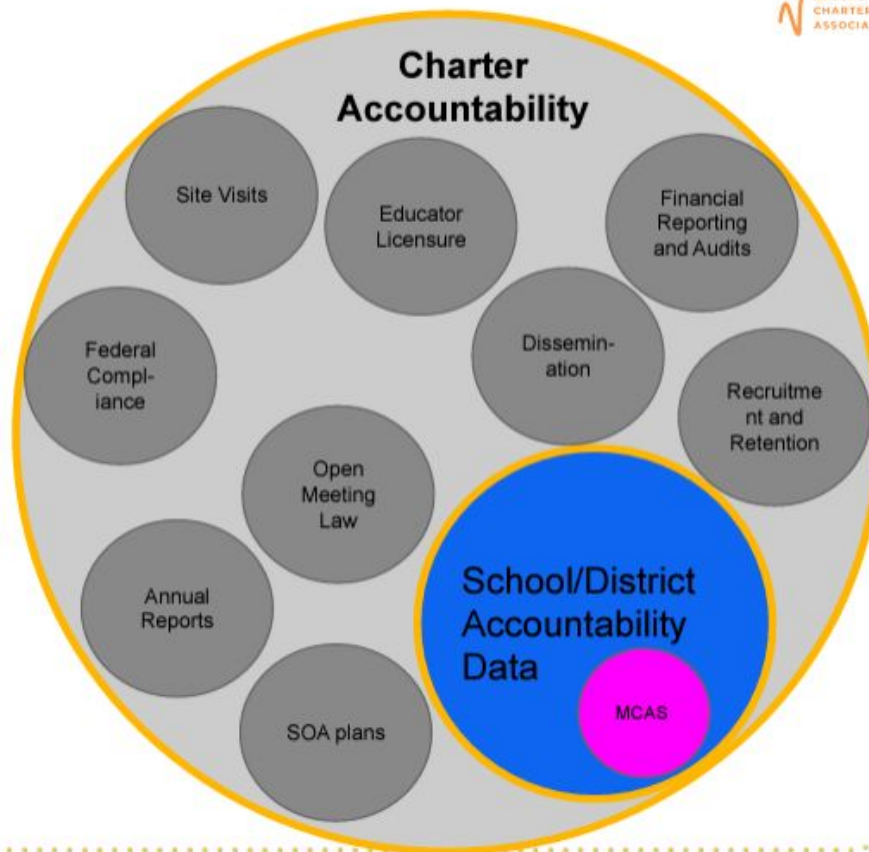
To whom?

- Your students
- Parents who send their children to your school
- Your staff
- Your board
- The Board of Education, on behalf of the taxpayers of Massachusetts
- Your colleagues: other charter leaders, boards, and supporters

Through whom/what?

- DESE inspections
- Your accountability plan
- Your annual audit
- Your MCAS scores
- Your graduation, discipline, attendance rates (and other pre-defined data)
- Your school's enrollment
- Reputational elements (social media, community reputation, public perceptions)

Charter Accountability



AMSA's Accountability Rating

Organization Information

DISTRICT NAME

Advanced Math and Science Academy Charter (District) (04300000)

TITLE I STATUS

Title I School

SCHOOL

Advanced Math and Science Academy Charter School (04300305)

GRADES SERVED

06,07,08,09,10,11,12

REGION

West/Central

FEDERAL DESIGNATION

-

Accountability Information

Overall classification Not requiring assistance or intervention

Reason for classification

Meeting or exceeding targets

Progress toward improvement targets

82% - Meeting or exceeding targets

Accountability percentile

98

Lower School Growth ELA

English language arts growth - Non-high school				About the Data
Group	2023 Mean SGP	N	Points	Reason
All Students	57.6	398	3	Typical Growth - High
Lowest Performing	55.5	65	3	Typical Growth - High
High needs	52.3	112	3	Typical Growth - High
Low income	49.7	73	2	Typical Growth - Low
EL and Former EL	-	48	-	-
Students w/ disabilities	-	29	-	-
Amer. Ind. or Alaska Nat.	-	-	-	-
Asian	59.3	46	3	Typical Growth - High
Afr. Amer./Black	-	11	-	-
Hispanic/Latino	-	39	-	-
Multi-race, Non-Hisp./Lat.	-	30	-	-
Nat. Haw. or Pacif. Isl.	-	-	-	-
White	57.3	272	3	Typical Growth - High

Lower School Growth Math

Mathematics growth - Non-high school				About the Data
Group	2023 Mean SGP	N	Points	Reason
All Students	54.0	399	3	Typical Growth - High
Lowest Performing	64.3	65	4	Exceeded Typical Growth
High needs	51.2	113	3	Typical Growth - High
Low income	49.9	74	2	Typical Growth - Low
EL and Former EL	-	48	-	-
Students w/ disabilities	-	30	-	-
Amer. Ind. or Alaska Nat.	-	-	-	-
Asian	60.1	46	4	Exceeded Typical Growth
Afr. Amer./Black	-	11	-	-
Hispanic/Latino	-	39	-	-
Multi-race, Non-Hisp./Lat.	-	30	-	-
Nat. Haw. or Pacif. Isl.	-	-	-	-
White	54.7	273	3	Typical Growth - High

Lower School Attendance

Chronic absenteeism - Non-high school							About the Data
Group	2022 Rate (%)	2023 Rate (%)	Change	Target	N	Points	Reason
All Students	7.0	6.8	-0.2	5.9	428	4	Exceeded Target
Lowest Performing	12.3	12.3	0.0	8.8	65	1	No Change
High needs	13.0	11.3	-1.7	10.9	124	3	Met Target
Low income	13.8	10.3	-3.5	9.5	78	3	Met Target
EL and Former EL	-	-	-	-	51	-	-
Students w/ disabilities	-	-	-	-	37	-	-
Amer. Ind. or Alaska Nat.	-	-	-	-	-	-	-
Asian	2.1	2.1	0.0	1.0	47	4	Exceeded Target
Afr. Amer./Black	-	-	-	-	12	-	-
Hispanic/Latino	-	-	-	-	40	-	-
Multi-race, Non-Hisp./Lat.	-	-	-	-	31	-	-
Nat. Haw. or Pacif. Isl.	-	-	-	-	-	-	-
White	7.4	7.7	0.3	6.2	298	4	Exceeded Target

Upper School Growth ELA

English language arts growth - High school				About the Data
Group	2023 Mean SGP	N	Points	Reason
All Students	53.0	123	3	Typical Growth - High
Lowest Performing	-	-	-	-
High needs	50.3	31	3	Typical Growth - High
Low income	-	19	-	-
EL and Former EL	-	14	-	-
Students w/ disabilities	-	6	-	-
Amer. Ind. or Alaska Nat.	-	-	-	-
Asian	54.3	21	3	Typical Growth - High
Afr. Amer./Black	-	4	-	-
Hispanic/Latino	-	9	-	-
Multi-race, Non-Hisp./Lat.	-	8	-	-
Nat. Haw. or Pacif. Isl.	-	-	-	-
White	53.6	81	3	Typical Growth - High

Upper School Growth Math

Mathematics growth - High school				About the Data
Group	2023 Mean SGP	N	Points	Reason
All Students	74.2	121	4	Exceeded Typical Growth
Lowest Performing	-	-	-	-
High needs	77.7	31	4	Exceeded Typical Growth
Low income	-	19	-	-
EL and Former EL	-	14	-	-
Students w/ disabilities	-	6	-	-
Amer. Ind. or Alaska Nat.	-	-	-	-
Asian	67.5	21	4	Exceeded Typical Growth
Afr. Amer./Black	-	4	-	-
Hispanic/Latino	-	9	-	-
Multi-race, Non-Hisp./Lat.	-	8	-	-
Nat. Haw. or Pacif. Isl.	-	-	-	-
White	78.1	79	4	Exceeded Typical Growth

Upper School Attendance

Chronic absenteeism - High school							About the Data
Group	2022 Rate (%)	2023 Rate (%)	Change	Target	N	Points	Reason
All Students	12.4	11.2	-1.2	11.3	543	4	Exceeded Target
Lowest Performing	-	-	-	-	-	-	-
High needs	22.2	17.8	-4.4	19.1	146	4	Exceeded Target
Low income	29.5	22.9	-6.6	25.3	96	4	Exceeded Target
EL and Former EL	-	-	-	-	44	-	-
Students w/ disabilities	-	-	-	-	39	-	-
Amer. Ind. or Alaska Nat.	-	-	-	-	-	-	-
Asian	11.6	7.4	-4.2	9.7	68	4	Exceeded Target
Afr. Amer./Black	-	-	-	-	15	-	-
Hispanic/Latino	-	-	-	-	42	-	-
Multi-race, Non-Hisp./Lat.	-	-	-	-	43	-	-
Nat. Haw. or Pacif. Isl.	-	-	-	-	-	-	-
White	13.0	11.5	-1.5	11.6	375	3	Met Target

Upper School Advanced Coursework Completion

Advanced coursework completion - High school							About the Data
Group	2022 Rate (%)	2023 Rate (%)	Change	Target	N	Points	Reason
All Students	91.6	94.0	2.4	93.7	267	4	Exceeded Target
Lowest Performing	-	-	-	-	-	-	-
High needs	92.3	90.6	-1.7	95.0	64	3	Met Target
Low income	88.2	94.9	6.7	94.0	39	4	Exceeded Target
EL and Former EL	-	-	-	-	15	-	-
Students w/ disabilities	-	-	-	-	22	-	-
Amer. Ind. or Alaska Nat.	-	-	-	-	-	-	-
Asian	96.1	94.7	-1.4	95.0	38	4	Exceeded Target
Afr. Amer./Black	-	-	-	-	5	-	-
Hispanic/Latino	-	-	-	-	19	-	-
Multi-race, Non-Hisp./Lat.	-	-	-	-	22	-	-
Nat. Haw. or Pacif. Isl.	-	-	-	-	-	-	-
White	92.0	94.0	2.0	94.5	183	4	Exceeded Target

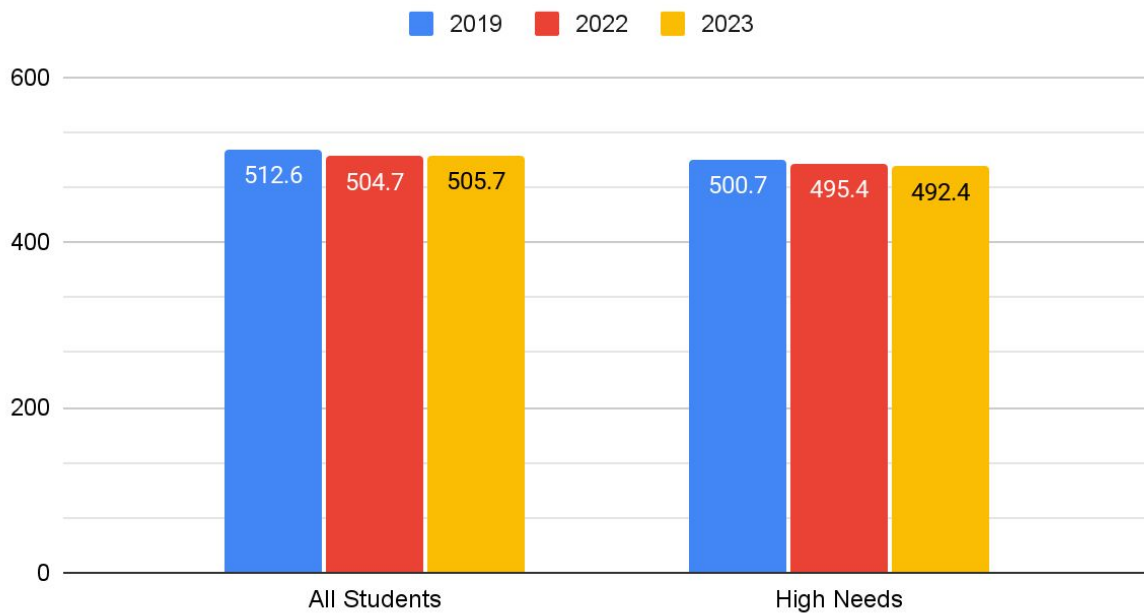
DESE's New Pathways

Developed to set new improvement targets based on “recovery” from learning loss due to the COVID pandemic or “forward” rigor to meet accountability targets not yet met.

Recovery Path: The MCAS average scaled score for the given group and subject was higher in 2019 than in 2022. These groups experienced declines in student achievement and are expected to improve achievement in a specified number of years to return to (and ultimately surpass) 2019 achievement levels.

Path Forward: The MCAS average scaled score for the given group and subject was higher in 2022 than in 2019, or the improvement increment calculated using the recovery path for the group and subject is less rigorous than that assigned in 2019. These groups experienced little to no decline in achievement from 2019 to 2022 and are expected to continue to improve achievement levels.

Lower School Achievement ELA



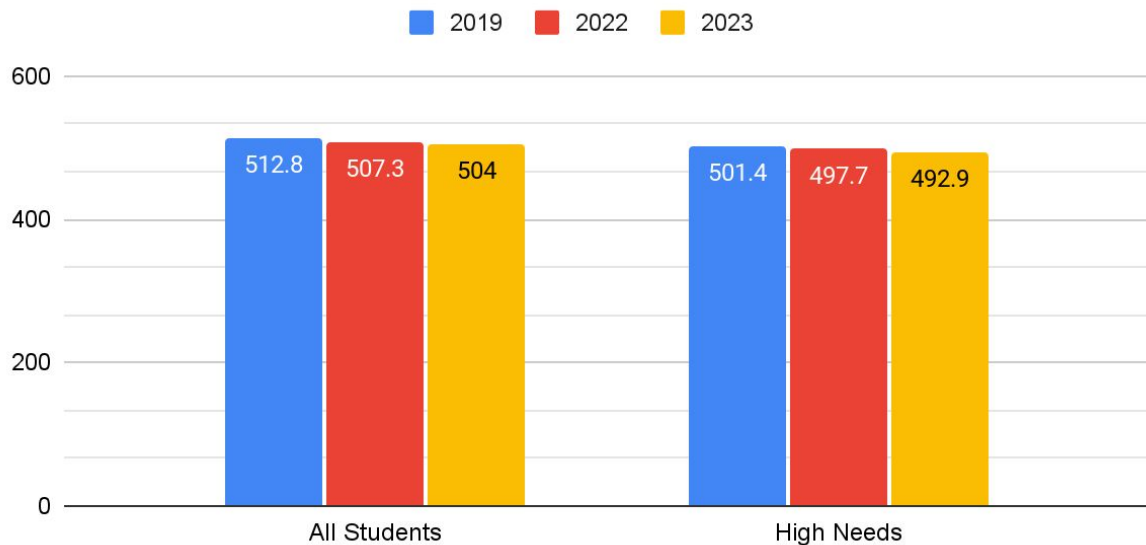
All Students

Recovery Path: Met
Target

High Needs

Recovery
Path: Declined

Lower School Achievement Math



All Students

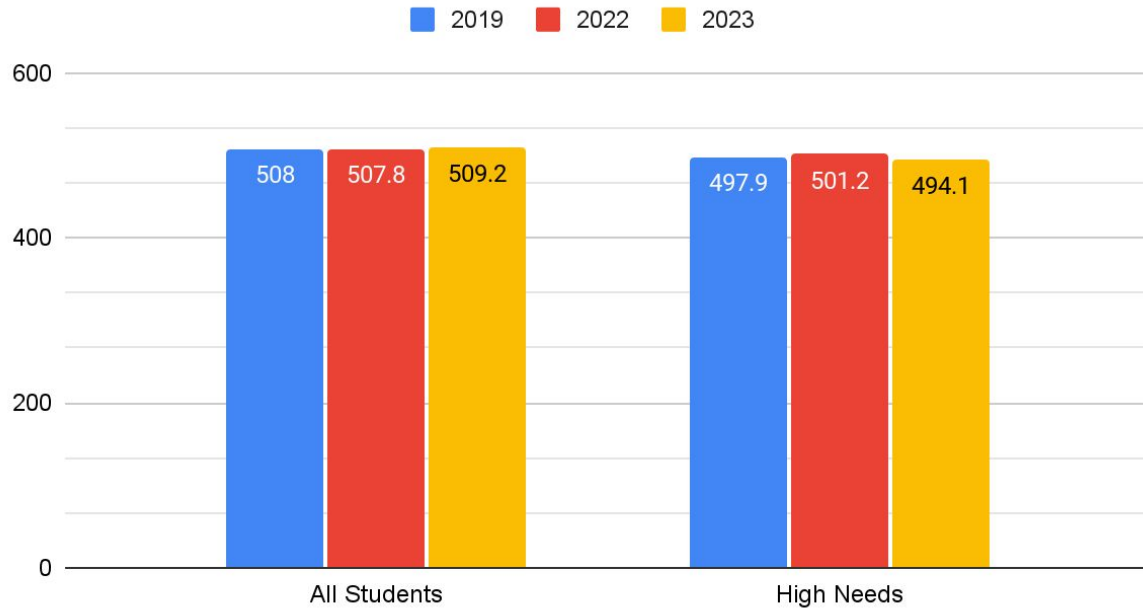
Recovery Path:
Declined

High Needs

Recovery Path:
Declined

2019

Lower School Achievement Science



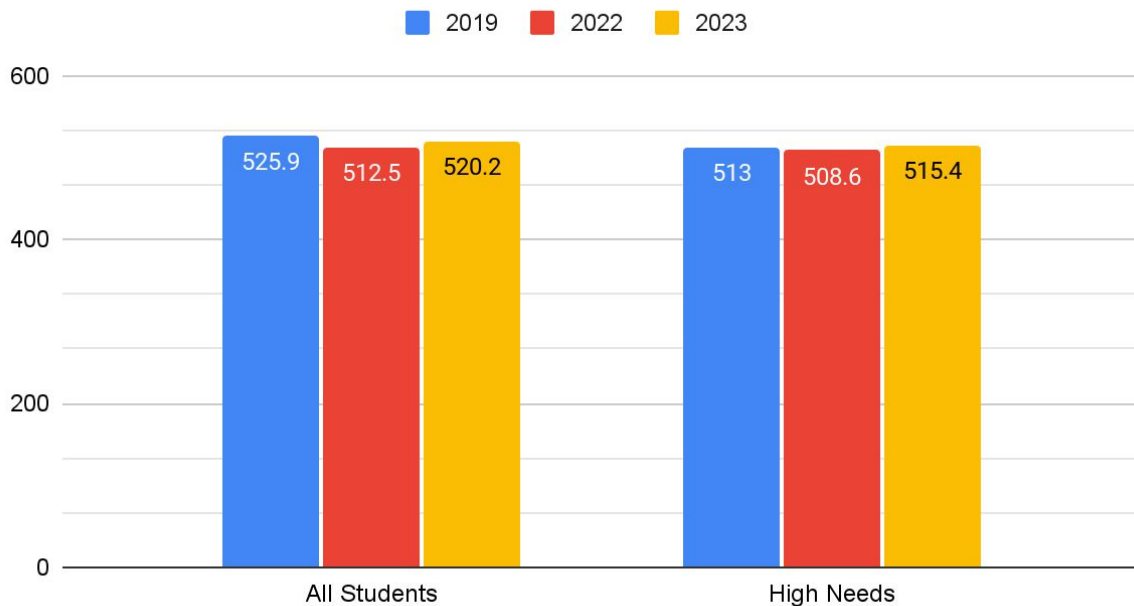
All Students

Path Forward: Met
Target

High Needs

Path Forward:
Declined

Grade 10 Achievement ELA



All Students

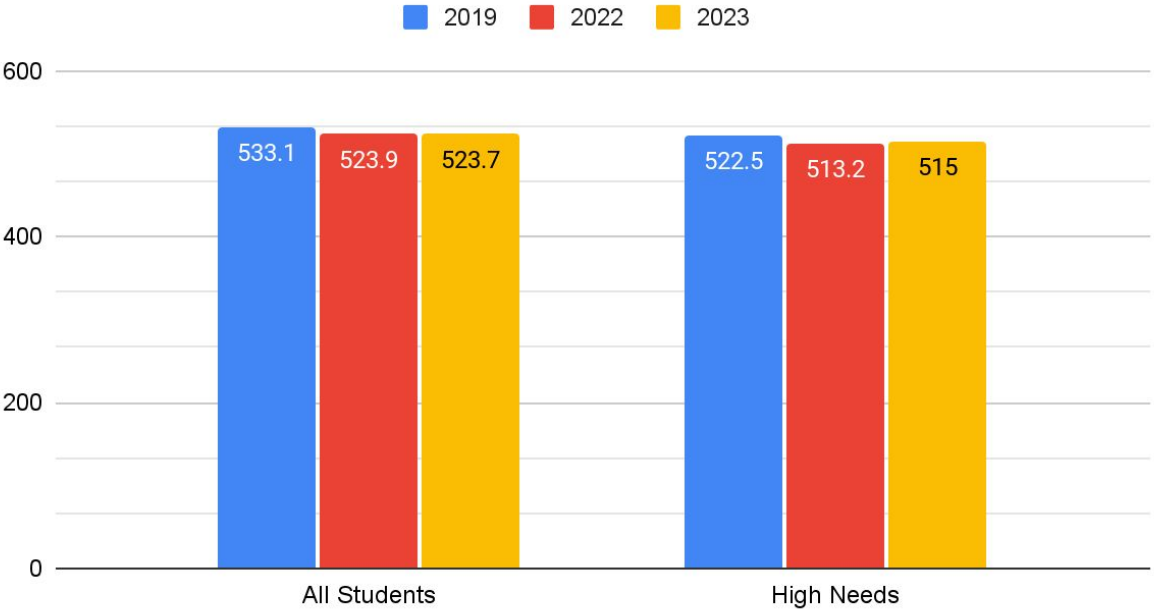
Recovery Path:
Exceeded Target

High Needs

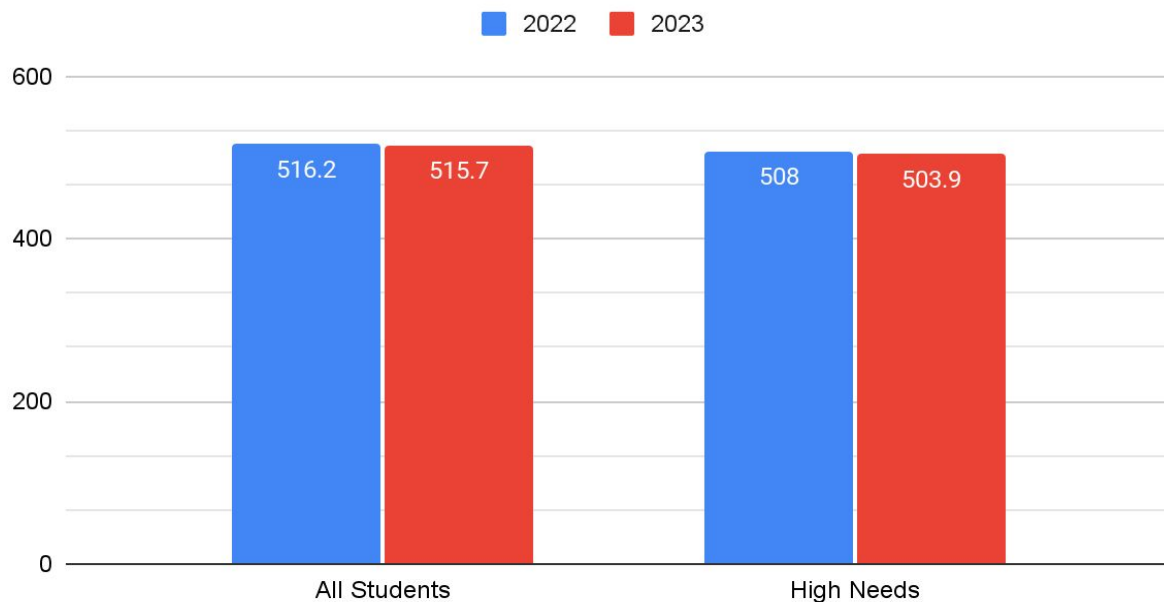
Recovery Path:
Exceeded Target

All Students	Recovery Path: Exceeded Target
High Needs	Recovery Path: Met Target

Grade 10 Achievement Math



Grade 10 Achievement Science



All Students

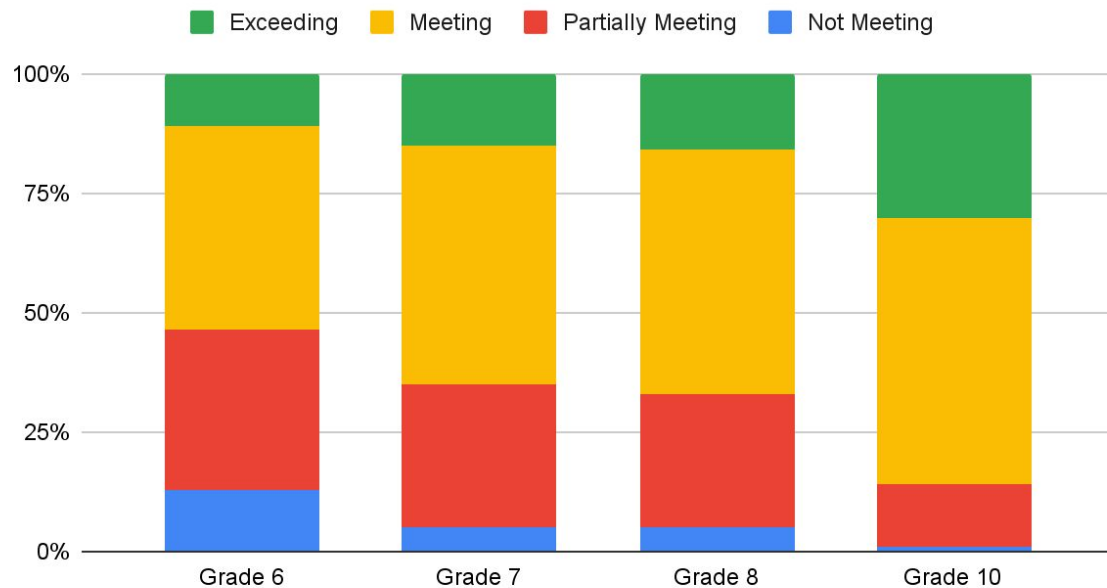
Recovery Path:
MetTarget

High Needs

Recovery Path: Met
Target

2019 MCAS Legacy Science Assessment

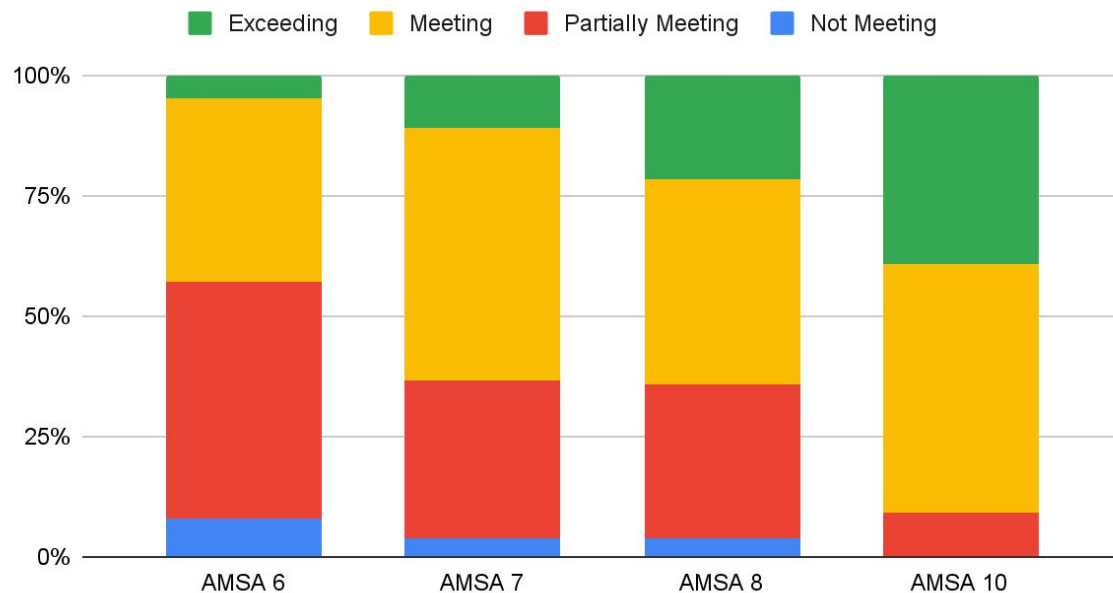
English



Grade	AMSA	State
Grade 6	53%	42%
Grade 7	65%	40%
Grade 8	67%	44%
Grade 10	86%	58%

Percent of Students Meeting
& Exceeding Expectations

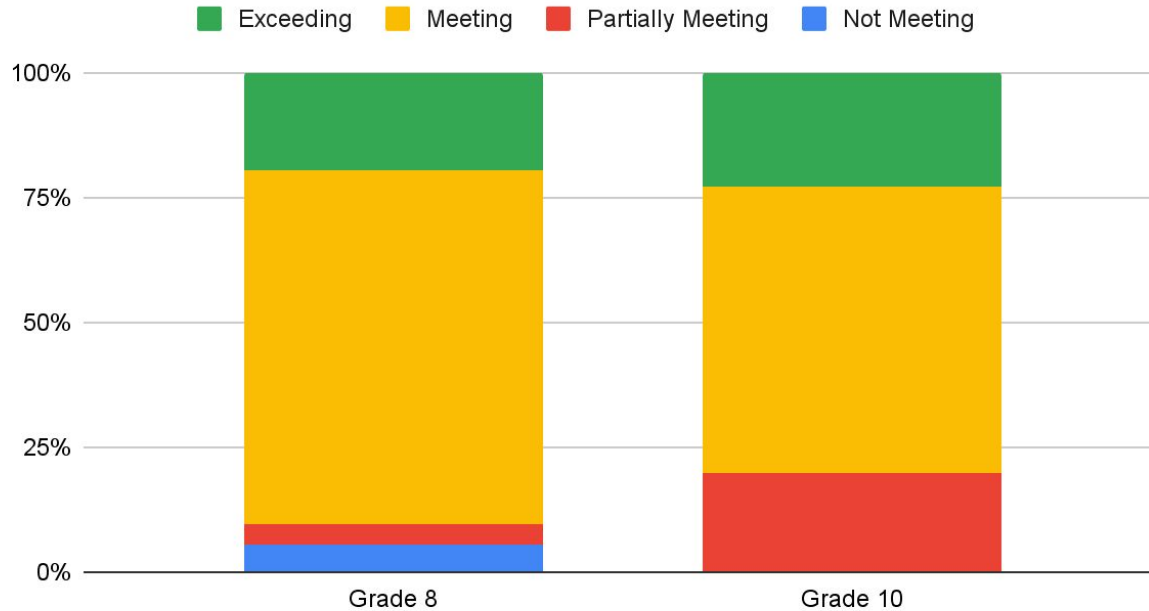
Math



Grade	AMSA	State
Grade 6	43%	41%
Grade 7	63%	38%
Grade 8	65%	38%
Grade 10	91%	50%

Percent of Students Meeting & Exceeding Expectations

Science



Grade	AMSA	State
Grade 8	66%	41%
Grade 10	80%	47%

Percent of Students Meeting & Exceeding Expectations

AMSA's Big Takeaways!



Upper School

Met or Exceeded **ALL**
TARGETS!

All Grade 10 Students met the graduation requirements!

All students are very close to full recovery in ELA with our high needs group at full recovery. Math and Science have demonstrated strong recovery and have a little further to go.



2019 Scores

Our 2019 scores were
OUTSTANDING!



**AMSA Scores
better than 98%
of schools in the
State**



Time to Set Goals



Lower School

We continue to recover from learning loss in Math and ELA—all students and Science in our high needs group.



Questions?



Understanding the SAT Scores

College and Career Readiness Benchmarks

	Red	Yellow	Green
Evidence-Based Reading and Writing	200–450	460–470	480–800
Math	200–500	510–520	530–800

Red: Need to Strengthen Skills

Yellow: Approaching the Benchmark

Green: Meeting or Exceeding the Benchmark

Evidence Based Reading 2023 Cohort

Score	% in Range
700-800	16%
600-690	36%
500-590	27%
400-490	21%
300-390	1%

Math Cohort 2023


Score	% in Range
700-800	27%
600-690	31%
500-590	30%
400-490	12%
300-390	1%

AMSA's students outperform the
State

SAT Relevance



QUESTION
Will we see a decline as more
tier one and two schools are
moving to test-optional?



Amherst College	Babson College	Barnard College	Baylor University	Boston College
Boston University	Brown University	Bucknell University	Rochester Institute of Technology	Colgate University
Cornell University	Dartmouth College	Harvard University	Johns Hopkins University	New York University
Northeastern University	Oberlin College	Pennsylvania State University	Rensselaer Polytechnic Institute	Stanford University
Syracuse University	Tufts University	University of Connecticut	University of Miami	University of Notre Dame
Worcester Polytechnic Institute	Yale University	Wellesley College	University of Massachusetts—Lowell	Ohio State University

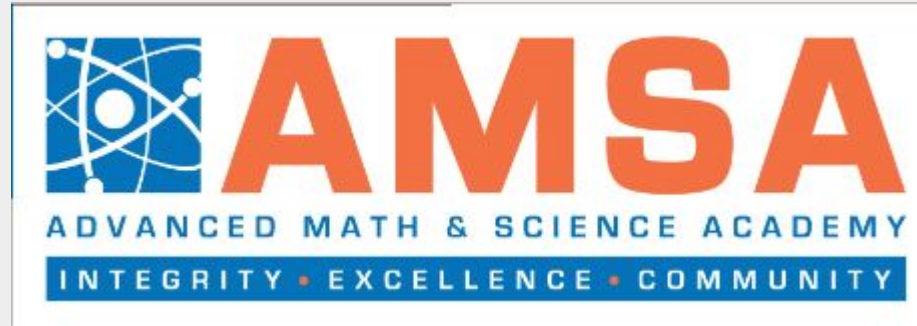
Some of Over 100 Universities and Colleges Test Optional 2023-2024



Questions?



Advanced Placement



Access to AP is An Accountability Goal

1

Courses Offered

2022-2023
18 AP Courses Running

2

Scores

82.1% Scored 3 or higher
29.5% Scored 5!

3

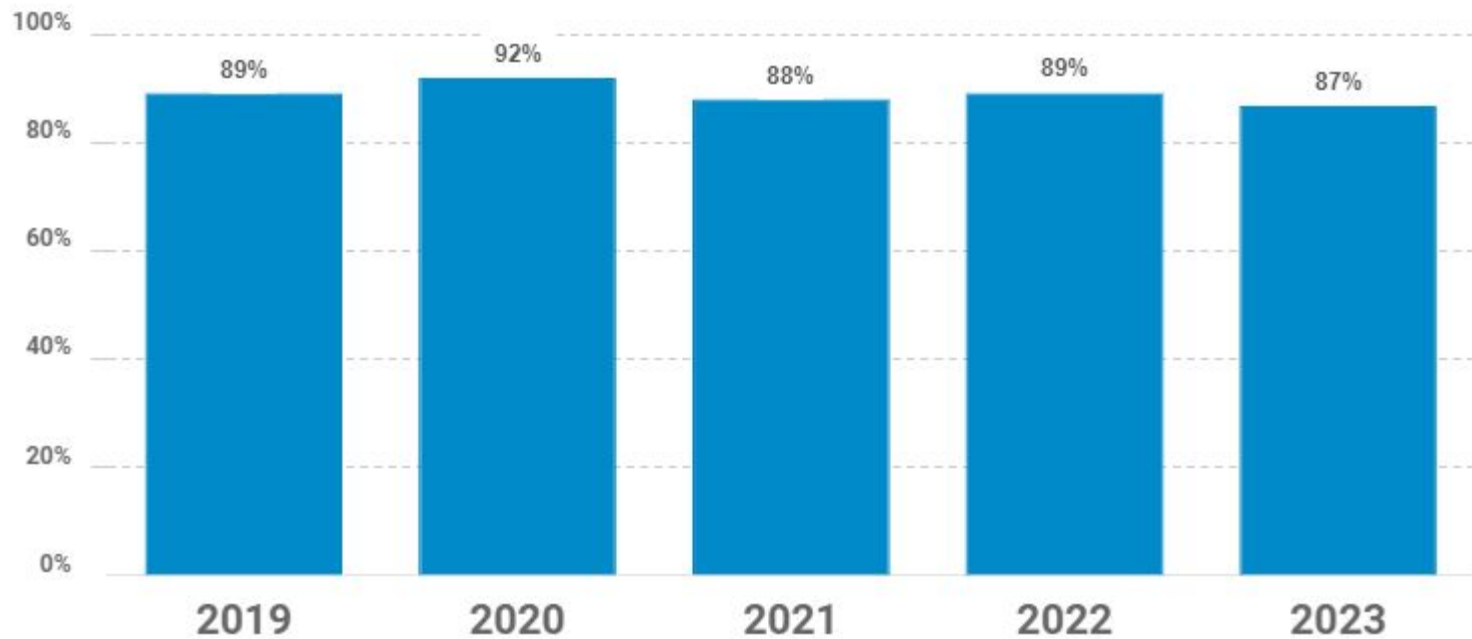
Students Taking AP Courses

2022-2023
234 Students





% OF TOTAL AP STUDENTS WITH SCORES 3+



Reasons to Celebrate our Educators & Students

Subject Area	Mean Score	Enrollment
2- Art	4	5
Chemistry	4.6	5
Calculus BC	4.85	20
Computer Science	4.19	36
English Language	4.20	5
English Literature	4	8



Questions?

