

# ED Report

AMSA  
and  
College/University Acceptances

9/26/24

# Table of Contents

1

College  
Admissions

2

SAT Score  
Review

3

Strategic Plan  
Review

4

Housekeeping  
Updates



# –At First Glance

|              | 2024-2018    |           |                                 | 2017-2011    |           |                                 |
|--------------|--------------|-----------|---------------------------------|--------------|-----------|---------------------------------|
| School       | Applications | %Accepted | Historical Admission Rates 2023 | Applications | %Accepted | Historical Admission Rates 2016 |
| MIT          | 37           | 0.00%     | 6.62%                           | 75           | 5.33%     | 9.47%                           |
| Stanford     | 24           | 0.00%     | 4.18%                           | 47           | 0.00%     | 6.65%                           |
| Brown        | 84           | 3.57%     | 6.60%                           | 103          | 8.74%     | 9.59%                           |
| Columbia     | 0            | 0.00%     | 5.14%                           | 0            | 0.00%     | 7.59%                           |
| Cornell      | 98           | 7.14%     | 10.55%                          | 107          | 17.76%    | 17.29%                          |
| Dartmouth    | 39           | 5.13%     | 7.93%                           | 53           | 9.43%     | 9.82%                           |
| Harvard      | 69           | 0.00%     | 4.50%                           | 92           | 4.35%     | 6.38%                           |
| Penn         | 53           | 3.77%     | 7.44%                           | 75           | 12.00%    | 12.61%                          |
| Princeton    | 25           | 0.00%     | 5.78%                           | 45           | 0.00%     | 8.63%                           |
| Yale         | 41           | 2.44%     | 5.91%                           | 55           | 9.09%     | 7.28%                           |
| Georgia Tech | 84           | 26.19%    | 17.00%                          | 63           | 36.51%    |                                 |
| Purdue       | 56           | 55.36%    | 52.00%                          | 24           | 70.83%    |                                 |
| RPI          | 91           | 64.84%    | 64.00%                          | 72           | 66.67%    |                                 |
| WPI          | 219          | 57.53%    | 57.00%                          | 163          | 65.03%    |                                 |
| Northeastern | 337          | 40.95%    | 6.80%                           | 337          | 74.48%    |                                 |

# A Deeper Dive into AMSA Acceptance Rates

| Class of | All Applicatons | Acceptances | % Accepted | Ivy App | Acceptances | % Accepted |
|----------|-----------------|-------------|------------|---------|-------------|------------|
| 2024     | 1178            | 615         | 52.21%     | 49      | 1           | 2.04%      |
| 2023     | 1577            | 579         | 36.72%     | 65      | 0           | 0.00%      |
| 2022     | 1767            | 668         | 37.80%     | 139     | 6           | 4.32%      |
| 2021     | 1373            | 704         | 51.27%     | 66      | 3           | 4.55%      |
| 2020     | 1241            | 755         | 60.84%     | 59      | 2           | 3.39%      |
| 2019     | 1044            | 619         | 59.29%     | 50      | 5           | 10.00%     |
| 2018     | 816             | 460         | 56.37%     | 46      | 2           | 4.35%      |
| 2017     | 1090            | 583         | 53.49%     | 106     | 5           | 4.72%      |
| 2016     | 1517            | 859         | 56.62%     | 157     | 11          | 7.01%      |
| 2015     | 1015            | 615         | 60.59%     | 89      | 8           | 8.99%      |
| 2014     | 859             | 557         | 64.84%     | 76      | 14          | 18.42%     |
| 2013     | 630             | 354         | 56.19%     | 63      | 3           | 4.76%      |
| 2012     | 490             | 257         | 52.45%     | 60      | 11          | 18.33%     |
| 2011     | 383             | 242         | 63.19%     | 34      | 4           | 11.76%     |

# Admission slots are declining and Application rates are increasing

| School    | Acceptances<br>2023 | Applications<br>2023 | Acceptances<br>2016 | Applications<br>2016 |
|-----------|---------------------|----------------------|---------------------|----------------------|
| MIT       | 1,410               | 20,075               | 1,715               | 18,109               |
| Stanford  | 2,050               | 49,000               | 2,437               | 36,631               |
| Brown     | 2,551               | 38,674               | 2,757               | 28,742               |
| Columbia  | 2,190               | 42,569               | 2,419               | 31,851               |
| Cornell   | 5,183               | 49,118               | 6,538               | 37,812               |
| Dartmouth | 1,876               | 23,650               | 2,270               | 23,110               |
| Harvard   | 1,950               | 43,330               | 2,188               | 34,303               |
| Penn      | 3,345               | 44,960               | 3,935               | 31,217               |
| Princeton | 1,895               | 32,804               | 2,300               | 26,664               |
| Yale      | 2,178               | 36,843               | 2,109               | 28,974               |

# AMSA Students Then & Now

| Class | Students | Avg. GPA | Avg. SAT<br>1600 | Submitted<br>Apps | Apps per<br>student | % Accepted |  |
|-------|----------|----------|------------------|-------------------|---------------------|------------|--|
| 2024  | 127      | 3.658    | 1241             | 1171              | 9.2                 | 53%        |  |
| 2023  | 137      | 3.711    | 1228             | 1522              | 11.1                | 38%        |  |
| 2022  | 142      | 3.837    | 1296             | 1726              | 12.2                | 39%        |  |
| 2021  | 141      | 3.831    | 1303             | 1310              | 9.3                 | 54%        |  |
| 2020  | 134      | 3.762    | 1324             | 1214              | 9.1                 | 62%        |  |
| 2019  | 119      | 3.751    | 1341             | 1024              | 8.6                 | 63%        |  |
| 2018  | 102      | 3.603    | 1319             | 802               | 7.9                 | 59%        |  |
| 2017  | 125      | 3.782    | 1285             | 1068              | 8.5                 | 55%        |  |
| 2016  | 181      | 3.836    | 1286             | 1504              | 8.3                 | 58%        |  |
| 2015  | 129      | 3.805    | 1315             | 1000              | 7.8                 | 63%        |  |
| 2014  | 101      | 3.794    | 1264             | 849               | 8.4                 | 66%        |  |
| 2013  | 71       | 3.83     | 1257             | 591               | 8.3                 | 60%        |  |
| 2012  | 62       | 3.818    | 1263             | 480               | 7.7                 | 54%        |  |
| 2011  | 62       | 3.613    | 1221             | 376               | 6.1                 | 65%        |  |
|       |          |          |                  |                   |                     |            |  |

# What Colleges Expect

| College                          | SAT Accept Avg | SAT Accept Min | ACT Accept Avg | ACT Accept Min | GPA Accept Avg | GPA Accept Min | Net Applied | Accept | Accept % |
|----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------|--------|----------|
| Brown University                 | 1527           | 1410           | 33             | 31             | 4.63           | 4.42           | 197         | 11     | 6%       |
| Columbia University              | 1467           | 1210           | 29             | 26             | 4.48           | 4.11           | 103         | 8      | 8%       |
| Cornell University               | 1471           | 1180           | 33             | 30             | 4.42           | 3.62           | 201         | 26     | 13%      |
| Dartmouth College                | 1561           | 1530           | 34             | 34             | 4.68           | 4.5            | 92          | 7      | 8%       |
| Harvard University               | 1445           | 1270           | 35             | 34             | 4.43           | 4.28           | 161         | 4      | 2%       |
| U Pennsylvania                   | 1501           | 1370           | 33             | 33             | 4.6            | 4.27           | 130         | 11     | 8%       |
| Yale University                  | 1485           | 1270           | 34             | 33             | 4.65           | 4.37           | 95          | 6      | 6%       |
| Georgia Tech                     | 1475           | 1240           | 32             | 26             | 4.47           | 4.02           | 142         | 45     | 32%      |
| Purdue                           | 1400           | 1150           | 30             | 22             | 4.14           | 3.03           | 80          | 48     | 60%      |
| Rensselaer Polytechnic Institute | 1436           | 1020           | 32             | 19             | 4.26           | 3.34           | 157         | 107    | 68%      |
| Worcester Polytechnic Institute  | 1395           | 1000           | 31             | 19             | 4.21           | 2.99           | 375         | 232    | 62%      |
| Northeastern University          | 1420           | 1020           | 31             | 22             | 4.29           | 3.54           | 659         | 366    | 56%      |

# Yield Protection

Yield: The percentage of students accepted to the college and actually attend.

Colleges benefit directly from having a high yield rate. Colleges care a lot about their relative place in the rankings, and yield is one of the many factors used to calculate them. By increasing their yield rate, colleges have a chance to directly impact their place on the rankings.

*“Last year Harvard’s yield percentage was 84% which was up from the prior year”--Direct quote from a Harvard admissions counselor*

# Conclusions

- Acceptance rates have remained steady with our students being accepted to on average 55% of the schools they apply to.
- Students are applying to more “Further Reach” schools than ever before.
- AMSA students are applying to Tier 1 research Universities over schools ranked in the top 30.
- What matters to students has changed over the years.
- There appears to be no link between AMSA’s academic rigor and current admission percentages–AMSA still offers beyond college level courses and our students continue to perform well!
- AMSA is a public school offering a private school education.

# Increase Your Odds of Acceptance

- Apply Early
- Demonstrate your Interest
  - Visit the School & Make sure they know you did
  - Open the emails, Follow and “Like” on Social Media.
  - Attend college fairs and sign in with the admissions counselor there.
  - Individualize your essay–identify something at the college that makes it a good fit for you!
  - Optimize the opportunities that AMSA provides you!
  - Participation in activities is important BUT only if it is meaningful to you...be able to tell your WHY!

The two new buzz words/phrases:

**FIT & DEMONSTRATED INTEREST**



Questions?

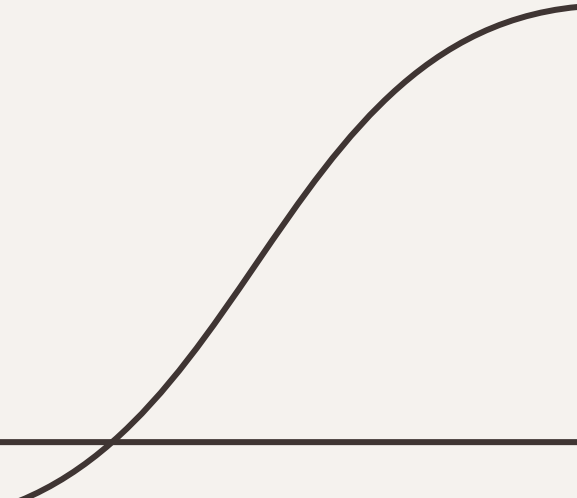


# AMSA

ADVANCED MATH & SCIENCE ACADEMY

INTEGRITY • EXCELLENCE • COMMUNITY

# SAT



SAT Spring 2024

# Advanced Placement Academy Charter School

SAT Grades

[View Students](#) | [Excel Export](#)

Mean Score

Section Benchmark Performance

## Total

|                             | # of Testers | Score Distribution | Mean Total Score (400-1600) ⓘ                    |
|-----------------------------|--------------|--------------------|--------------------------------------------------|
| School                      | 80           |                    | 400 <b>1278</b> 1600                             |
| District                    | 0            | Not calculated     | Score is not calculated for less than 10 testers |
| State (Public Schools Only) | 27,654       |                    | 400 <b>1108</b> 1600                             |
| State (All Schools)         | 33,310       |                    | 400 <b>1120</b> 1600                             |
| U.S. and U.S. Territories   | 1,636,235    |                    | 400 <b>995</b> 1600                              |
| Global Testers              | 1,744,634    |                    | 400 <b>1007</b> 1600                             |

SAT Fall 2024

## Advanced Placement Academy Charter School

[View Students](#)[Excel Export](#)

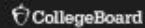
Mean Score

Section Benchmark Performance

### Total

|                             | # of Testers | Score Distribution                                                                 | Mean Total Score (400-1600) ⓘ                                                                |
|-----------------------------|--------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| School                      | 26           |  | 400  1600 |
| District                    | 0            | Not calculated                                                                     | Score is not calculated for less than 10 testers                                             |
| State (Public Schools Only) | 5,356        |  | 400  1600 |
| State (All Schools)         | 7,534        |  | 400  1600 |
| U.S. and U.S. Territories   | 223,134      |  | 400  1600 |
| Global Testers              | 293,769      |  | 400  1600 |

# Growth Reading & Writing



## Growth Report: Class of 2024 Fall Tests | Evidence-Based Reading and Writing

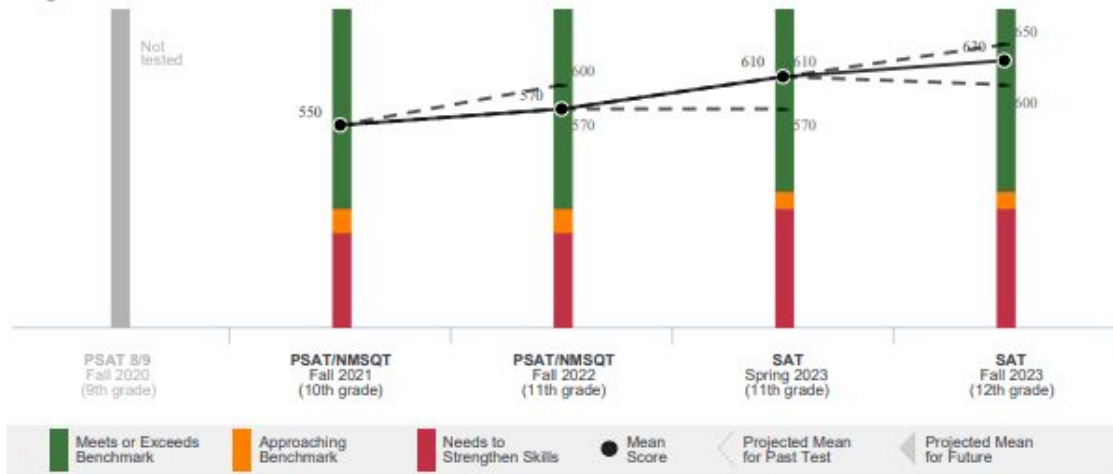
### Long-Term Growth

The graph and table below show how your students' mean scores changed between tests. These are the mean scores of students who took the same tests in the same season.

At Advanced Math and Science Academy Charter School, this group includes 33 students in the class of 2024.

When they took the **SAT Fall 2023 in 12th grade** their mean ERW score was **630**, which **meets or exceeds the benchmark**. It's also **within the range projected** from their previous test.

### Long-Term Growth: Chart



# Growth Math

## Growth Report: Class of 2024 Fall Tests | Math

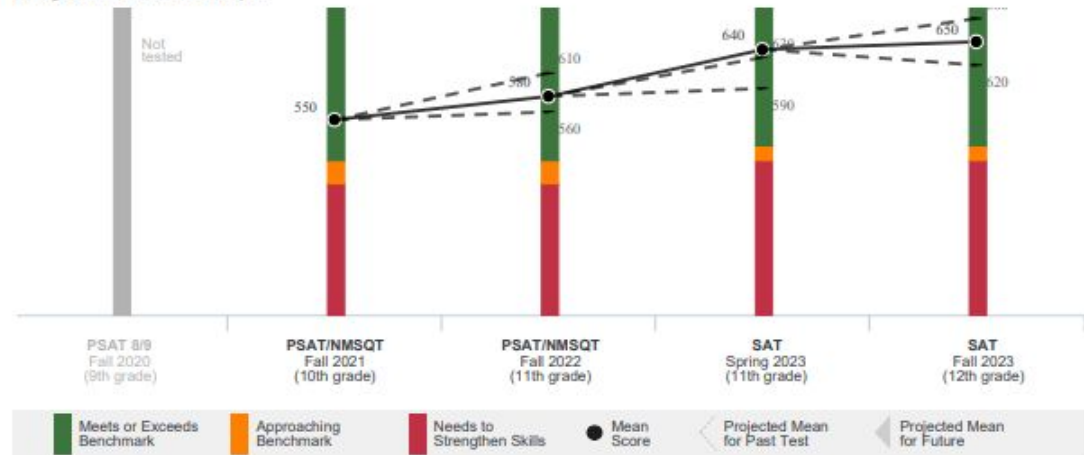
### Long-Term Growth

The graph and table below show how your students' mean scores changed between tests. These are the mean scores of students who took the same tests in the same season.

At **Advanced Math and Science Academy Charter School**, this group includes **33 students in the class of 2024**.

When they took the **SAT Fall 2023 in 12th grade** their mean Mathscore was **650**, which **meets or exceeds the benchmark**. It's also **the range projected** from their previous test.

### Long-Term Growth: Graph



The image features two thin, dark horizontal lines that span the width of the frame. Each line has a smooth, curved end on the left and right sides, creating a subtle, elegant border.

# Questions?

## AMSA Strategy on a Page

### Mission

To create an atmosphere of celebration of knowledge where children of all backgrounds and abilities excel in all subjects, especially in math, science, and technology, empowering them to succeed in the workplace in our modern high-tech world.

### Vision

To be a vibrant community where students from diverse backgrounds flourish in an atmosphere celebrating knowledge.

### Theory of Action

If we are dedicated to fostering excellence in all subjects for all students, focusing on math, science, and technology, then all students will thrive in the contemporary high-tech workplace.

### Our Core Values

**Integrity:** adhere to AMSA's mission, honesty, responsibility and openness to new ideas.

**Excellence:** Passion and joy for itching and learning, high expectations—with results.

**Community:** School spirit and community service, creating and empathic, caring environment for all.

### Competitive Advantage

AMSA's success is grounded in teacher autonomy, an unapologetic commitment to rigor with adequate support and adequate time to plan.

AMSA's students are connected to the caring AMSA staff.

AMSA's educators offer more than just academic backgrounds; many of them bring valuable field experience to the table.

### Organization-Wide Strategies

(How will we get there)

Facilities Investments  
Development Capacity  
Enrollment Capacity  
Advocacy Capacity

### Key Performance Indicators

(How We Measure Success)

## Strategic Objectives & Organizational Goals

**Governance:** To develop Board capacity in governance and resource development and to advocate for the charter school movement at the local, state, and national levels

**Teaching & Learning:** To support academic, social-emotional, physical growth of all students with high expectations for all, including exceeding accountability standards “unapologetic rigor”

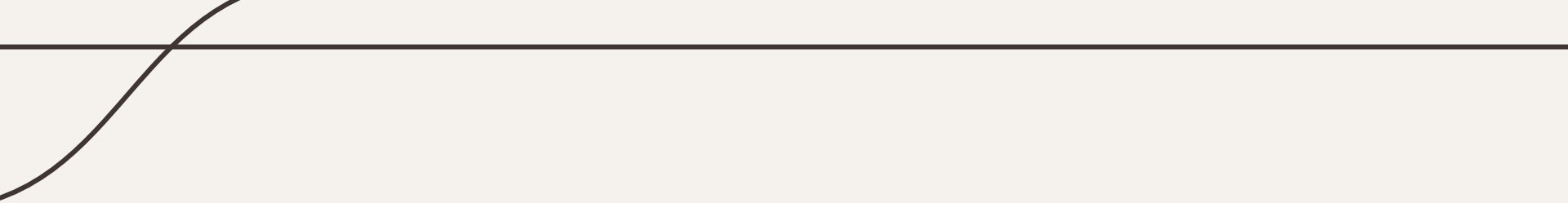
**Faculty & Staff Development:** To be a school of choice for talented educators through competitive compensation and an emphasis on employee well-being.

**Parent & Community Partnerships:** To strengthen AMSA's partnerships with our families and engage the wider community to support our mission.

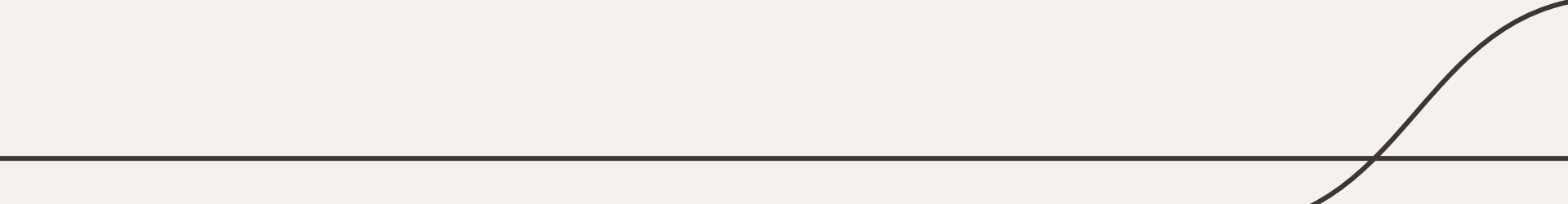
**Development:** To diversify funding streams, expand and strengthen funding infrastructure, and enhance resources for developing AMSA.

**Facilities & Operations:** To plan for and implement facilities and technology improvements that promote sustainability.





# Housekeeping



---

# Main Building

Transformer to Arrive 9-27-24

## 20th Anniversary

Want to Participate Contact Dev. director Marcy  
Eckle

## Expansion Application Submitted to DESE

If awarded AMSA will apply for the additional  
grant money that is available to support the  
expansion

## College Partnerships

Signed a MOU with Assumption University

---

# AMSA School Zone Plan

Please reach out to Marlborough Officials to  
improve safety for our students.

