

Board of Trustees ED Report

January 5, 2023



AMSA

ADVANCED MATH & SCIENCE ACADEMY

INTEGRITY • EXCELLENCE • COMMUNITY

Overview of Report

- PSAT Data and Plan
- Diversity, Equity, and Inclusion Update
- Building Update
- Capital Campaign Update
- Razzle Dazzle Time!!
- Upcoming Events

PSAT/NMSQT®



PSAT Score Comparison - Fall 2022 and Fall 2019

	2022	2022	2019	2019
	School Mean	State Mean	School Mean	State Mean
11th	1118	992	1212	1014
10th	1070	928	1160	948

11th PSAT Benchmarks Side-by-Side Comparison

2022

2019

2022

2019

School
Mean Score
1118

Number of Participants **124**

Met Both Benchmarks **73%**
Met ERW (460) **86%**
Met Math (510) **78%**
Met None **9%**

Distribution of Scores

School
Mean Score
1212

Number of Participants **137**

Met Both Benchmarks **88%**
Met ERW (460) **93%**
Met Math (510) **91%**
Met None **4%**

Distribution of Scores

State
Mean Score
992

Number of Participants **37,367**

Met Both Benchmarks **41%**
Met ERW (460) **64%**
Met Math (510) **44%**
Met None **34%**

Distribution of Scores

State
Mean Score
1014

Number of Participants **44177**

Met Both Benchmarks **45%**
Met ERW (460) **68%**
Met Math (510) **47%**
Met None **30%**

Distribution of Scores

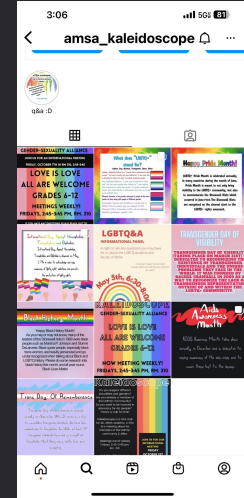
These 11th graders were in 8th grade in March 2020.

Next Steps - Addressing Academic Gaps

- Topic for Chairs' meeting next week
 - create a clear recovery plan with actionable steps
- Possible options:
 - Focus on study skills and executive function skills
 - Additional support for students who need more individualized work to address gaps
 - current math support program - possibly expansion(?)
- Greater focus on reading, writing, and comprehension skills

New Webpage!

- [AMSA's DEI Webpage](#)



Building Update

- *Design Drawing* are due from the Architects 1st week in February
- City of Marlborough *permitting phase* has begun
- *Utilities*
 - there's *electrical and gas lines* that need to be moved
 - currently running under the building site
 - request to move is done through utility companies and happen on their timeline, so requests will be completed by the end of January (work will be completed asap w/ minimal disruption)

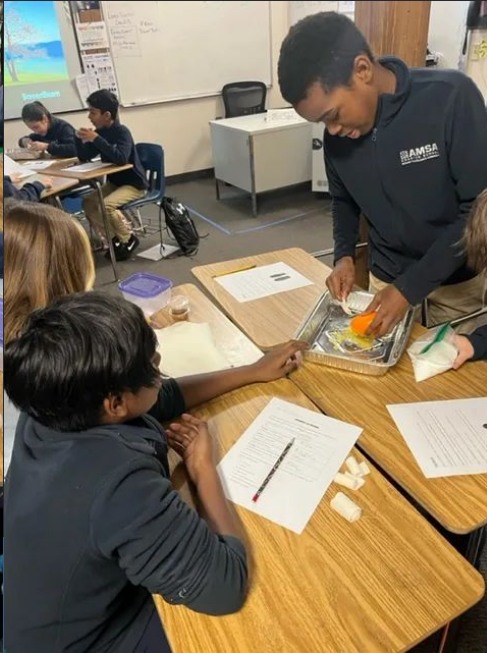
Capital Campaign Update

- Received a five figure pledge today!
- Meeting with large local bank next week
- Meeting with local biotech firm next week
- Building internal toolkit for stewards, staff, and board
- Working on more video and written testimonials
 - alumni involvement
- Website updates including Ways to Give

Razzle **Dazzle**

Mummified Oranges

As part of their study of Ancient Egypt, Ms. Ellie Kaufman's 6th graders created "mummies" with oranges substituting as Pharaohs! The students scooped the "organs" out of their Pharaoh, refilled it with natron to preserve the "body" and then wrapped it in linen. The mummies now lie in their tombs!



Making Waves

Hands-on 11th Grade Physics Lesson!

Everything in the known Universe has wave properties. Musical instruments work with what are called Standing Waves.

Dr. Clarage's 11th grade Physics students learned how to make standing waves with various weight strings and ropes. It's not so easy.

video

Upcoming Events

- **January 12 & 26** - 5th grade Family Info Session - Virtual
- **January 18 & May 4** - Family Forums @ 10am
- **January 24** - Winter Concert @ 6pm
- **January 28** - Board Strategic Planning Meeting @ 8:30 - 1pm (US Cafe)
- **March 4** - International Festival and Talent Show @ Hudson Elks Lodge
- **June 9** - AMSA Class 2023 Graduation



HAPPY NEW YEAR