

Artifacts for Algebra I MTSS 21-23

**2020-2021**

- Created and implemented a 10-day summer school Blitz for Algebra 1 retesters based on teaching basic calculator skills and readiness TEKS.  
**May 2019 scores 15% vs. May 2021 scores 30% (Data)**  
[Algebra 1 - EOC Remediation Planner Summer School-21/22](#) (Plan)

**2021-2022**

- April 2022 - We started a Blitz for retesters during Acceleration Period after the December and Mock EOC based on data from those tests. The Blitz was created to ensure that students understood the readiness TEKS for Algebra 1, along with basic calculator skills needed pass the Algebra EOC.  
[Targeted ALG EOC Students-Spring 2022](#) (Data)  
[ALGEBRA 1 - EOC Retesters Planner APRIL 2022](#) (Plan)
- Teacher/IC met individually with each retester to set goals and share previous scores before they tested. Most students had no idea of their scores or what the minimum was needed to pass their tests. [Retester INFO \(YOU CAN pass!\)](#)
- June 2022 - Used the same summer school Blitz for Algebra 1  
**June 2021 scores 30% vs. June 2022 scores 54% (Data)**

**2022-2023**

- Core math class (Algebraic Reasoning) created for students who passed Algebra 1 class, but not EOC.
- December 2022 Retest
  - Cabrera (17/37 retesters passed - 46%)
  - Lahodny (50/61 retesters passed - 82%)
  - Total AR students 67/98 (68% passed)
  - 17 more in May 2023

[Algebraic Reasoning \(Alg 1 retesters\) 22-23](#) (Data)

Algebra Score Comparisons (Retesters 2021 and 2022) App%/Meets%/Masters%		
Fall 2021 (25%/1%/0%) no remediation or tutoring		Summer 2021 (30%/3%/1%)
Fall 2022 (52%/12%/1%) About 72% of retesters enrolled in Algebraic Reasoning	Spring 2022 38% of retesters were involved in Spring 2022 tutoring passed from Fall to Spring 22	Summer 2022 (54%/0%/0%) Retesters were involved in Spring 2022 tutoring or Summer School tutoring using same Blitz plan

[Algebra Acceleration Academy \(AAA\) Spring 2023 Logistics](#)

- Targeted students based on averaged data from their 8th grade math EOC score, Interim 1 score, and current year's Algebra data by TEK in Eduphoria. We had almost 300 students in these classes; *our goal is to have them move to the next category...Did Not Meet to Approaches, Approaches to Meets, and Meets to Masters.*
- The TEKS that were chosen to cover for the 6 weeks of AAA are those that are in the Linear Functions Subcluster which consists of 38% of the tested TEKS covered. With the passing standard being 39%(in '22), if students are highly successful on these TEKS, then they'll have a great foundation to get to Meets and hopefully, Masters.

		2021 STAAR	2022 TEKS Tracker	AAA
A.2(B) [S]	Write linear equations in two variables in various forms, including $y = mx + b$ , $Ax + By = C$ , and $y - y_1 = m(x - x_1)$ , given one point and the slope and given two points.	40.29%	56.31%	62%
A.2(C) [R]	: Write linear equations in two variables given a table of values, a graph, and a verbal description.	52.72%	60.24%	65%
A.3(A) [S]	Determine the slope of a line given a table of values, a graph, two points on the line, and an equation written in various forms, including $y = mx + b$ , $Ax + By = C$ , and $y - y_1 = m(x - x_1)$ .	61.71%	72.07%	65%
A.3(C) [R]	Graph linear functions on the coordinate plane and identify key features, including x-intercept, y-intercept, zeros, and slope, in mathematical and real-world problems.	64.61%	55.36%	74%
A.5(A) [R]	Solve linear equations in one variable, including those for which the application of the distributive property is necessary and for which variables are included on both sides.	39.84%	65.78%	73%

- Student survey results concerning their participation in AAA  
[Graphic data for Student survey](#)  
[All student AAA responses](#)
- Presentation to staff after 6 weeks of AAA.  
[For STAFF--AAA.AHS.Spring.2023](#)

**2023-2024**

- Staff change for Algebra I at the start of the year. Ms. Lahodny (who taught Geometry and Algebraic Reasoning in 22-23 school year and had the most student success with her retesters EOC scores) was moved to the team lead of Algebra I.

- AAA - Now called Academic Acceleration Academy is started mid-September targeting 9th graders using their 8th grade Math and Reading scores. Two days a week for acceleration instruction in Math and two days a week for acceleration instruction in Reading. We will keep the groups based on 8th grade data until mid year and then we will regroup based on data from common formative assessments during Algebra 1 and English 1 class and AAA, and summative assessments aligned to the STAAR and with the same rigor.

[Academic Acceleration Academy 23-24 staff presentation](#)