

**Accelerated Math Program (AMP)**  
**Academy of Alameda**  
**Board Presentation**  
**Jen Whatley, Math Teacher**  
**August 29, 2024**

# Accelerated Math Program (AMP)

## The “Why” Behind AMP

### Pre-Covid

- Advanced 6th and 7th grade math classes led to 8th grade Algebra
  - Enrollment based on MAP/STAR data
  - Advanced 6th and 7th grade classes taught condensed material
  - 7th grade Bridge to Algebra taught 8th grade concepts twice a week
  - Students had access to some material in all grades 6-8
- More supportive than AUSD’s advanced track which skips 8th grade content

### Observations

- Included students who tested well but were not interested in accelerating
- Excluded students who were ready and interested but did not test well
- Many 7th graders needed more than twice week with 8th grade concepts (Bridge)
- Demographics of algebra class were not representative of AoA’s population
- 6-8 instruction focused on algebra readiness
  - 1/3 of each grade level concepts not taught

# Accelerated Math Program (AMP)

## The “Why” Behind AMP

### Post Covid

- Heterogeneous classes grades 6-8
- Algebra only advanced class, no math lab or double period
- Adopted Zearn
  - Seamless grade level acceleration in addition to differentiation

### Goals

- Keep grade 6-8 math classes heterogeneous (except algebra)
  - Communicates equitable learning expectations to all students
  - Minimizes tracking
- Keep advanced math students engaged with math and accelerate learning
- Provide multiple pathways to 8th grade algebra
- Algebra classes representative of our student population
- Increase student agency over learning
- Reinforce mindset: Speed of learning does not matter in mathematics
- Reinforce our vision: Demographics do not determine our students' destinies

# AoA Math Pathways

Pre-Covid

Middle School				High School
1	6th Grade 17-18	7th Grade 18-19	8th Grade 19-20	9th Grade 20-21
2	6th/7th Accelerated	7th/8th Accelerated	Algebra	Geometry
3	6th Grade	7th Grade & Bridge to Algebra	Algebra	Geometry

Placement determined STAR score

# Accelerated Math Program (AMP)

Post-Covid

Middle School				High School
1	6th Grade 21-22	7th Grade 22-23	8th Grade 23-24	9th Grade 26-27
2	6th Grade & 7th AMP	8th Grade	Algebra	Geometry Integrated Math 2
3	6th Grade	7th Grade & 8th AMP	Algebra	Geometry Integrated Math 2
4	6th Grade	7th Grade	8th Grade & Algebra AMP	Geometry Integrated Math 2

Placement determined by teacher recommendation and student advocacy  
No minimum STAR score

# Accelerated Math Program (AMP)

## Program Description

- Monthly lessons during tutorial with Ms. Whatley
  - AMP Algebra includes after school classes every other Monday
- Independent lessons
  - Zearn bookmarks
  - Independent packets for each lesson
  - You can work on packets with peers
  - Turn in to Ms. Whatley for feedback when complete
- Unit summatives during tutorial
- Summatives entered into PLP

From Student Info Slides

# Accelerated Math Program (AMP)

## Program Requirements

- Receive mostly 3s or higher on math assessments (average 2.8 or higher)
- Demonstrate growth on STAR assessments while in program
- Demonstrate readiness for material based on class activities and/or STAR
- Stay current with grade-level math class assignments
- Stay current with AMP assignments
- Earn 2.8 or higher on AMP assignments

From Student Info Slides

# Accelerated Math Program (AMP)

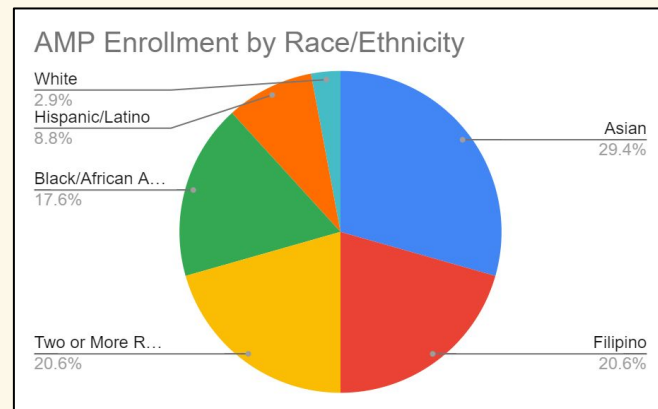
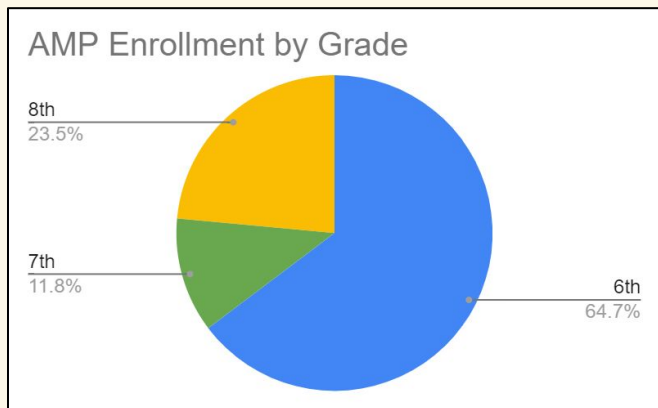
## How to Enroll

- Review your PLP
  - Verify all assignments have been turned in (you have no M's).
  - Verify you have an average score of 2.8 or higher in math.
- Submit your intent to participate to Ms. Whatley by this Thursday, Nov. 2.
  - Ms. Whatley will stamp you for the first AMP meeting.
  - You can begin learning the material before the meeting.

From Student Info Slides



# Data Graphs

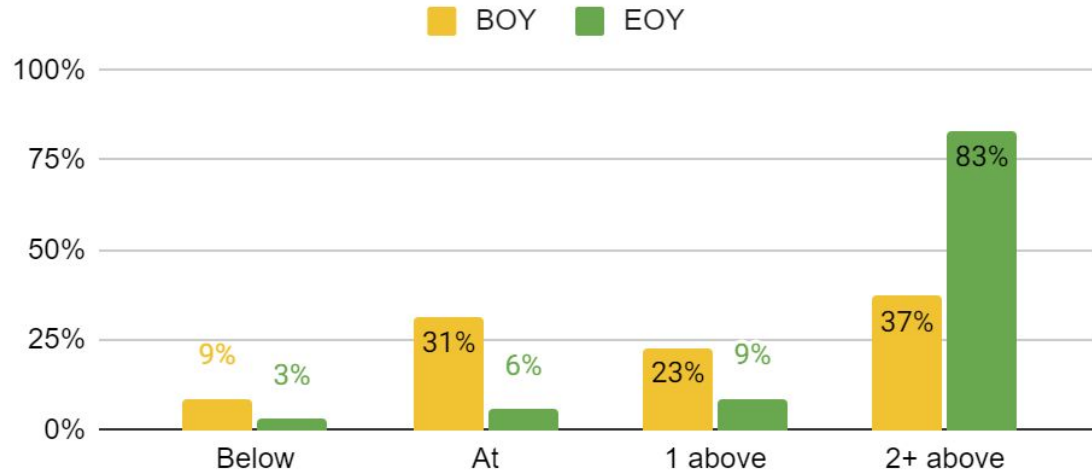


Demographic	%	Total
EL/Reclassified	29%	10
504	6%	2
IEP	6%	2

Gender	%	Total
M	65%	22
F	32%	11
N	3%	1

# Beginning and End of Year Grade Level Comparisons

BOY and EOY



# Demographics of Students Who Started the Year At or Below Grade Level

Demographic	%
EL/Reclassified	38%
504	8%
IEP	8%
Gender	%
M	77%
F	23%
N	0%
Demographic	Total
Black/African American	31%
Two or More Races	23%
Asian	15%
Hispanic/Latino	15%
Filipino	8%
White	8%

Grade	Total Enrollment
6th	54%
7th	15%
8th	31%

	BOY	EOY
Below	3	0
At	10	2
1 above	0	1
2+ above	0	10

# 8th Grade Algebra Student Testimonials

- Amp is not just being smart it's about improving yourself.
- I felt well supported during my time doing AMP because whenever I stuck, or was struggling, I always had someone to ask if I needed help on something.
- At first I wasn't really a math person but after hearing about AMP I felt that connection with math and it became my strong suit.
- I loved [being in the 8th grade class]. I grew friendships with some 8th graders. I wouldn't have some of my friendships if I didn't get into AMP.
- I had wanted to quit but Ms Whatley encouraged me to stay in AMP and now I am in alg 1 in 8th grade. AMP was not as difficult as I thought it was going to be.

# 8th Grade Algebra Student Testimonials

- Being in a 8th grade classroom in 7th grade really boosted my confidence.
- I would %100 recommend AMP for students that are interested, because it has improved my learning skills and has been more fun learning new topics. I have learned much more through AMP by needing to work harder.
- Every day in class I feel that there is more than enough support around me. Everyone in the program including Ms. Whatley, is very supportive.
- I really enjoyed AMP because I felt like it was challenging me more, when previously I hadn't been challenged as much. I felt very well supported in AMP because Ms. Whatley always checked in with us. I feel that AMP greatly accelerated my learning and and I am at a level better for me.
- I was behind when I entered 6th grade and now I can explain work to other people.

# Accelerated Math Program (AMP)

## Next Steps

- Create curriculum guidebook
  - Full year pacing guide
  - Scope and Sequence
  - Instruction manual
- Integrate AMP into 6th and 7th grade classrooms (with teacher)