

6th Grade Academically Advanced Math

May 10, 2022

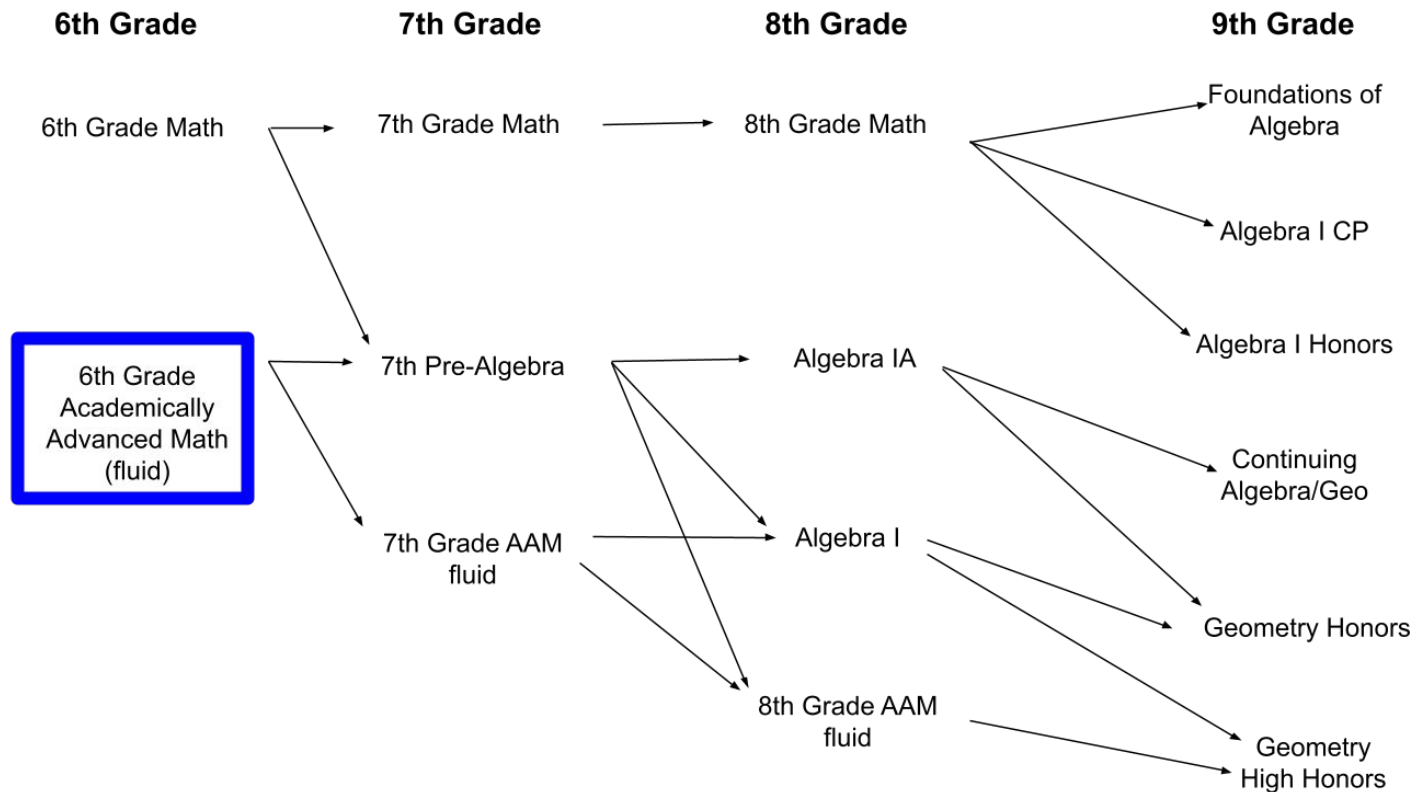
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Math Program Admin.
JGMS/BHS

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Principal
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Davis/Lane School
K-5 Math Coach
Math Curriculum Coordinator

Objective: To share reasons to unlevel 6th grade math

JGMS Math Course Progressions (2021-2022)



At Lane School

March 2020	Tricia Clifford, Rob Ackerman, Annie Pumphrey, Kevin Tracey, and Patrick Morrissey meet to discuss tiered math grouping at Lane School and potential impact at JGMS in future.
2020-2021	Planned pilot of heterogeneous groupings is accelerated to the entire school due to COVID-19 grouping restrictions.
March 2021	<u>Letter</u> to Lane Community about 6th grade Academically Advanced Math.
2021-2022	All Lane math classrooms in heterogeneous groups taught by classroom teacher.

AT JGMS

Fall 2021

Two JGMS department meetings focused on possible changes to course offerings such as Academically Advanced Math program grades 6-8, and our levels of Algebra I. At BHS began a phasing out of our Continuing courses.

Propose removing Academically Advanced Math in 6th grade only.

2021-2022

Ongoing conversations between Patrick Morrissey and Jon Hartunian along with Annie Pumphrey, JGMS teachers, district leadership team.

Spring
2022

Letter drafted for the Lane community to explain no longer offering Academically Advanced Math for 6th grade.

Why move away from Academically Advanced Math in 6th grade?

- It is early to label an 11 year old as not being advanced in math.
- In 2020-2021 Lane ended its practice of leveled groups for math. Now every Lane 5th grader is learning math in heterogeneous groups with their classroom teacher. This practice will continue next year at JGMS.
- Transition to middle school will be improved with the worry about what math class they are in.
- Access: All students will receive a differentiated classroom experience in 6th grade math allowing all students access to advanced math.
- There is no change to Academically Advanced Math for 7th or 8th grade.

Why remove Academically Advanced Math in 6th grade?

- Research shows heterogeneous classes are “associated with higher overall achievement for students of all levels and when schools move from tracking to giving all students high-level math classes, achievement increases significantly.” (Boaler, Foster, 2021).
- “Highest performing countries are those that group by ability the least and the latest” (Burstein, 1993). The United States is one of the most tracked countries in the world...

Why remove Academically Advanced Math in 6th grade?

- In comparing 5th grade Lane MCAS scores with and without leveled groups (in 2019 and 2021) there was no significant change in achievement. In 2019 69% of the 5th grade met or exceeded expectations in math compared with 70% in 2021.
- Linked to our district's DEI mission that aims to have students learning with heterogeneous and diverse peers.

JGMS 6th Grade Math Sections

	Yellow Team	Orange Team	
A Block	Planning Time	Team Meeting Time	
B Block	6th Grade Math (20)	6th Grade Math (20)	
C Block	6th Grade Math (20)	6th Grade Math (20)	
D Block	Team Meeting Time	Planning Time	
E Block	6th Grade Math (20)	6th Grade Math (20)	
F Block	6th Grade Math (20)	6th Grade Math (20)	
G Block	6th Grade Math (20)	6th Grade Math (20)	

JGMS 6th Grade Math Sections

	Yellow Team	Orange Team	
A Block	Planning Time	Team Meeting Time	
B Block	6th Grade Math (17)	6th Grade Math (17)	
C Block	6th Grade Math (30)	6th Grade Math (30)	Academically Advanced Math (0)
D Block	Team Meeting Time	Planning Time	
E Block	6th Grade Math (17)	6th Grade Math (17)	
F Block	6th Grade Math (17)	6th Grade Math (17)	
G Block	6th Grade Math (17)	6th Grade Math (17)	

What is Academically Advanced Math?

- **6th Grade Standards:** Follows grade level standards and students learn at a greater and more complex depth.
- **Mastery:** A high level of mastery of unit content is assumed for students in Academically Advanced Math.
- **“Fluid” and quasi additional Level**
 - Period during the day where 50-60+ of the highest achieving students are scheduled who have access to Academically Advanced Math.
- **Pre-test:** unit-by-unit students can flexibility move from Yellow/Orange team to the Academically Advanced Section and vice versa.

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D Block	Team Meeting Time	Planning Time	
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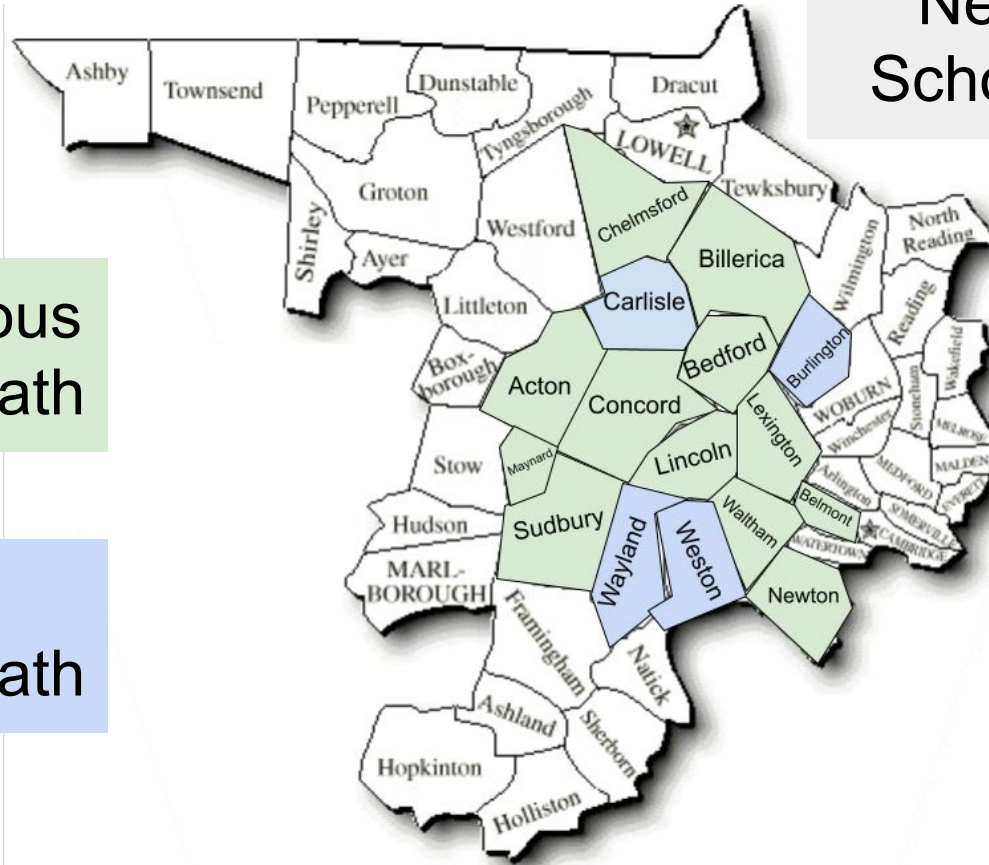
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Neighboring School Districts

Heterogeneous
6th Grade Math

Leveled
6th Grade Math



JGMS Math Progressions

2022-2023

**5th
Grade**

**6th
Grade**

**7th
Grade**

**8th
Grade**

**9th
Grade**

5th
Grade
Math



6th
Grade
Math



7th Grade
Math



8th Grade
Math



Foundations
of Algebra

Algebra I
College Prep



Pre-Algebra



Algebra I A



Algebra I
Honors



Pre-Algebra
Academically
Advanced



Algebra I



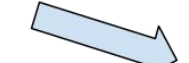
Geometry
Honors



Algebra I
Academically
Advanced



Geometry
High Honors



Next Steps:

- Inform Lane School parents and guardians of the 6th grade math programming.
- Schedule a Grade 5 Parent Night.
- 2022-2023 track our student progress.
- Summer Curriculum work was approved for teachers to create classroom tasks to reach all learners.