

Middle School Math Parent Information

All Standards, All Students

Common Core State Standards - Mathematics

Focus

Coherence

Rigor

Kindergarten-12th grade Common Core State Standards Math Progressions

Elementary

K - 5

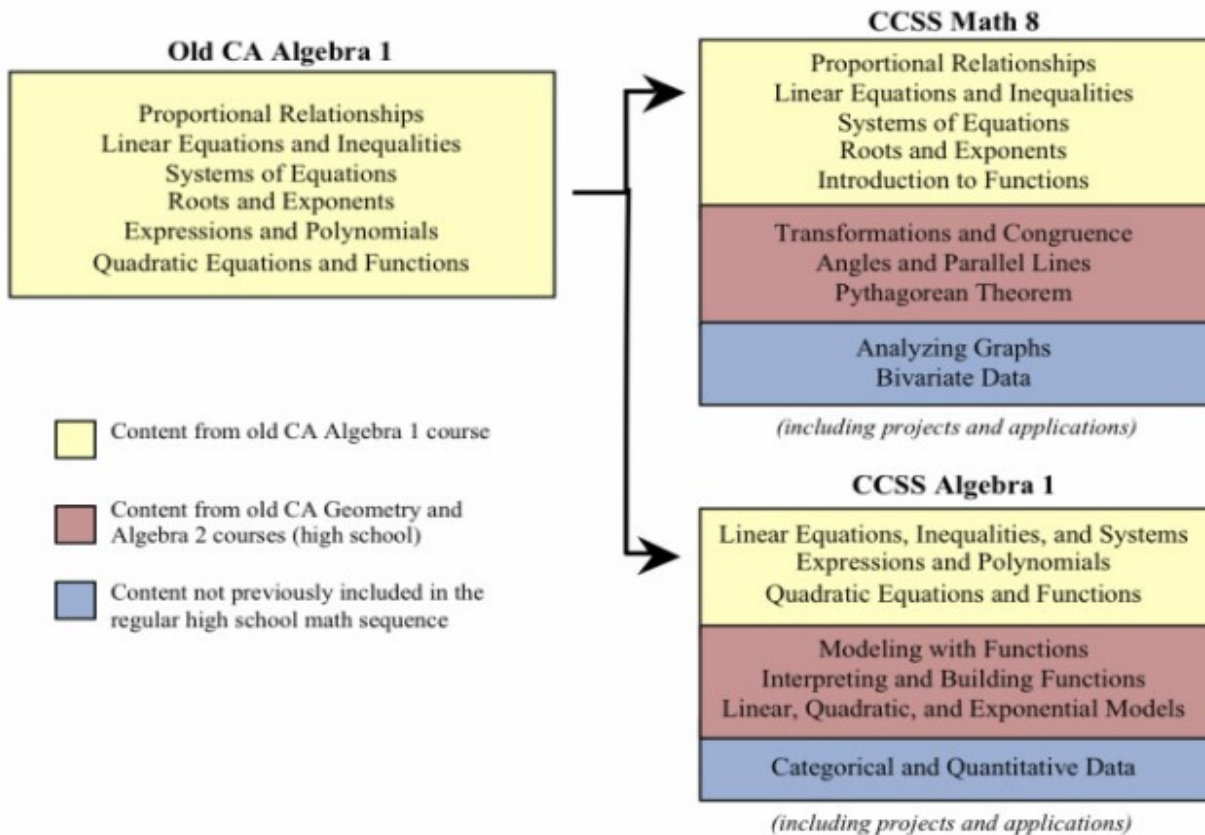
Middle

6 - 8

High

Algebra I → Pre - Calculus

Restructuring CCSS Math



Reflecting on Our Current Pathways

Over compacting
standards
was limiting students to
the tip of the iceberg.

“...skimming over any topics will only
weaken one’s ability to tackle more
complex material down the road.”
(Wu, UC Berkeley Professor, 2012)



Why Change?

- Focused math courses for grades 6, 7, 8, and Algebra
- Algebra I in 9th grade according to CCSS
 - Acceleration available in middle school
- Compact three years of material into two years as recommended in the state framework
- Decisions to accelerate should not be rushed per CA

Math Pathway Revision Process

Leadership Team

2 HS administrators
2 HS math teachers
9 MS administrators
10 MS math teachers
Dr. Kati Krumpe
Dr. Nisha Dugal
Dr. Ramona Chang

Communication

Each School Site

Discussed information
& provided feedback

The leadership team met monthly during the 2016-2017 school year.

Recommendations for Accelerated Pathways

**Smarter
Balanced
Assessment**



**Math
Portfolio Tasks**



**Teacher
Recommendation**



Revised TUSD Middle School Math Pathway

6th

7th

8th

6th Math



7th Math



8th Math

Accelerated 6th Math
(6th + ½ of 7th)

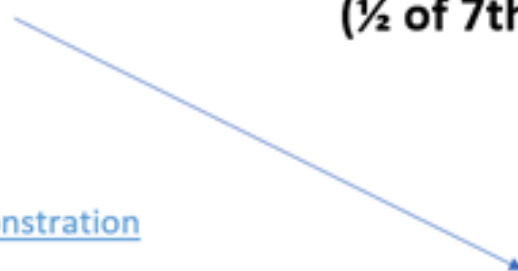


Accelerated 7th Grade
(½ of 7th + 8th)



Algebra I

Acceleration by Demonstration



Accelerated 7th Grade
(½ of 7th + 8th)



Algebra I



Geometry Honors

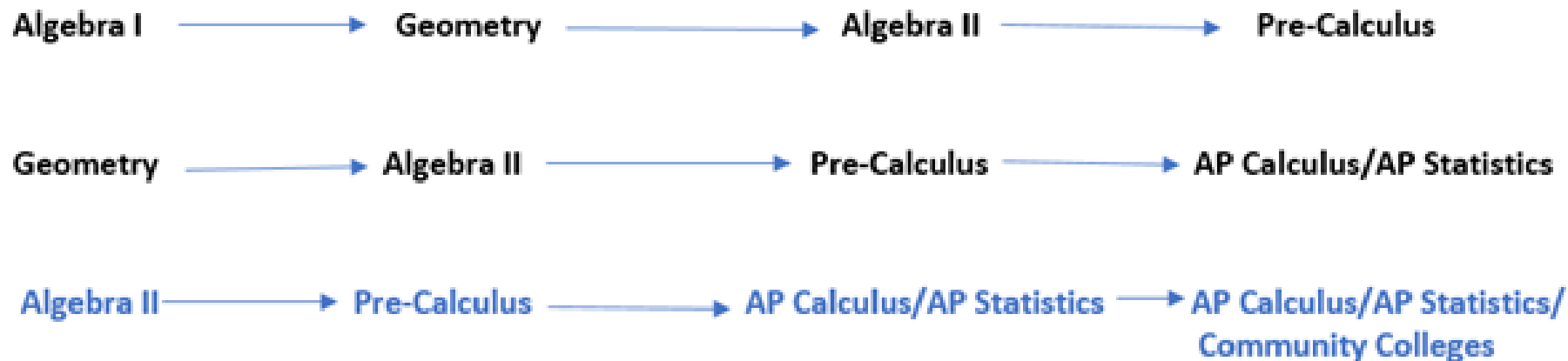
TUSD High School Math Pathways

9th

10th

11th

12th



Recommendations for Accelerated Pathways

1. Smarter Balanced Assessment

- Math Performance - “Standards Exceeded”
- Claims
 - i. Concepts & Procedures - “Above Standards”
 - ii. Problem Solving and Modeling & Data - either “At/Near Standards” or “Above Standards”
 - iii. Communication Reasoning - either “At/Near Standards” or “Above standards”

Recommendations for Accelerated Pathways

2. Math Portfolio Tasks - All 4 tasks should be at least “3” in Concepts & Procedures, Strategies, and Communication Reasoning

3. Teacher Recommendation based on:

- Standards Based Achievement Report
- Standards for Mathematical Practices
- Work ethics, Responsibility, & Maturity

Outside the Pathways



Outside the Pathways

- **What** - 5th grade students **who have been recommended for acceleration and have parent consent** will be given an additional assessment
- **Why** - To determine which accelerated pathway is appropriate
- **When** - June
- **Where** - Current School

Options to Accelerate in High School

- Take summer courses that are designed to provide the equivalent experience of a full course in all aspects, including attention to the Standards for Mathematical Practice.
- Students can speak to their high school for other acceleration opportunities

