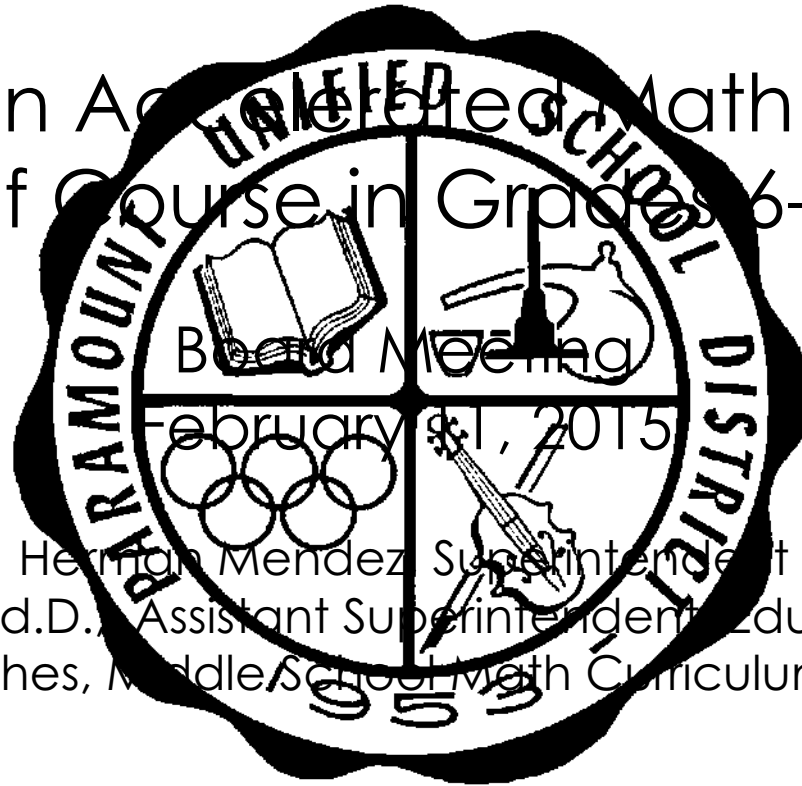




PARAMOUNT UNIFIED SCHOOL DISTRICT

OUR MISSION IS TO ENSURE LEARNING AND SUCCESS FOR EACH STUDENT BY PROVIDING A QUALITY EDUCATION.

Planning an Accelerated Math Sequence of Course in Grades 6-8



Herman Mendez, Superintendent

Deborah Stark, Ed.D., Assistant Superintendent, Educational Services

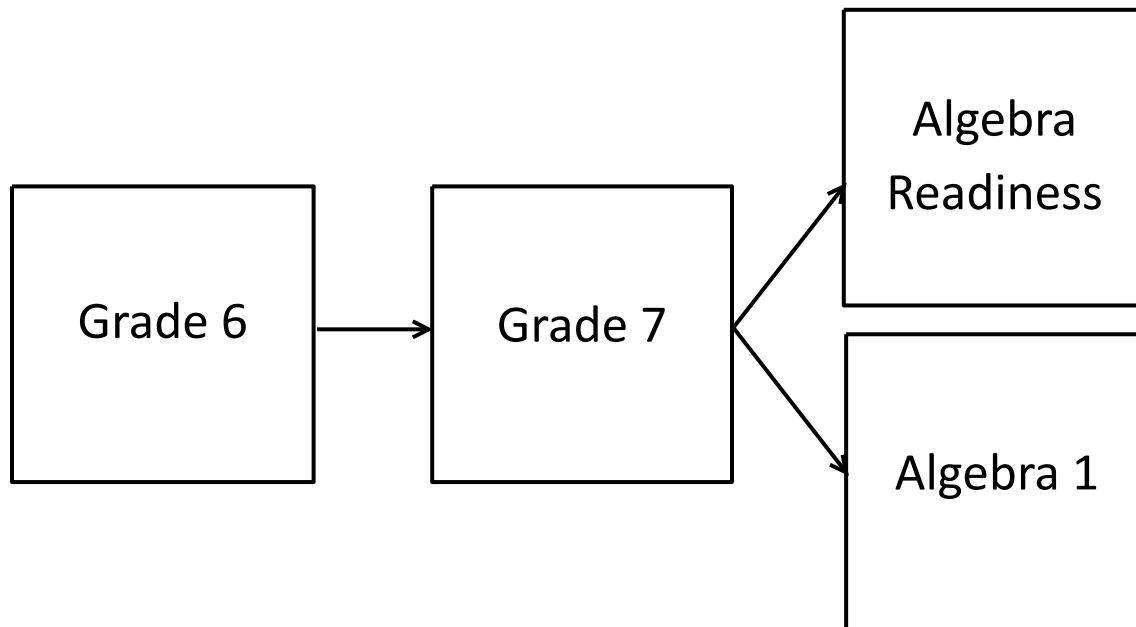
Marya Hughes, Middle School Math Curriculum Specialist



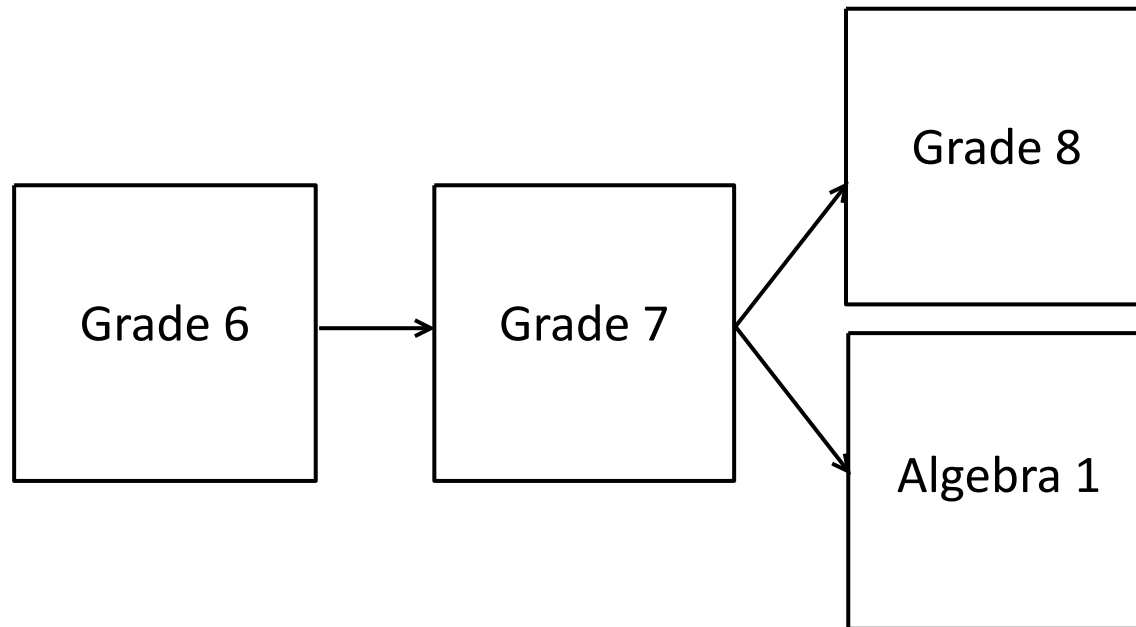
Purpose of the Presentation

- Review the need and rationale for an accelerated math course sequence in grades 6-8.
- Describe how PUSD will address the needs of middle school math students in the short and long term.
- Outline next steps.

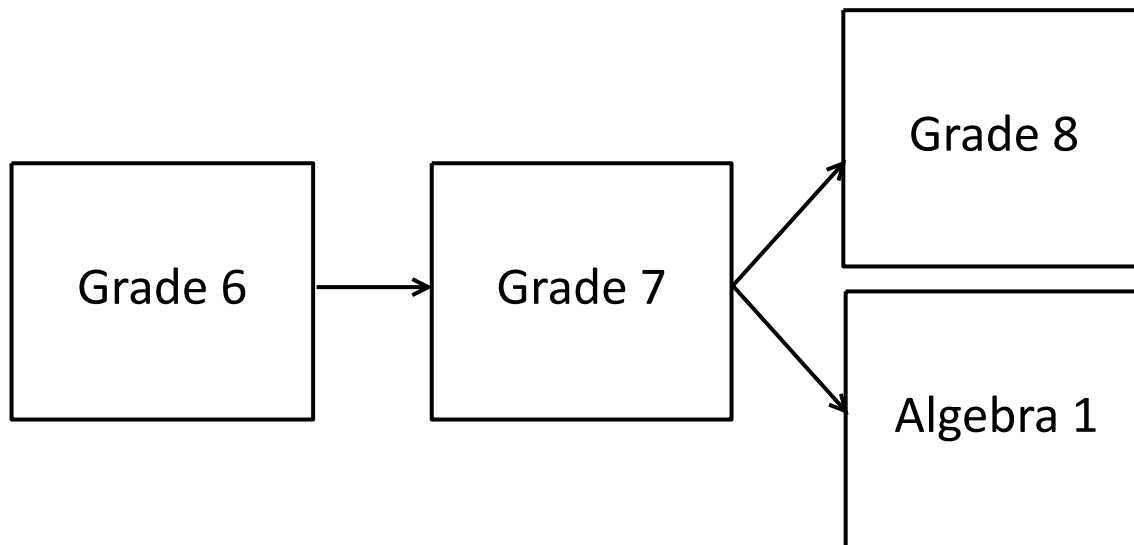
Last year - California Standards



Transition from California to Common Core standards

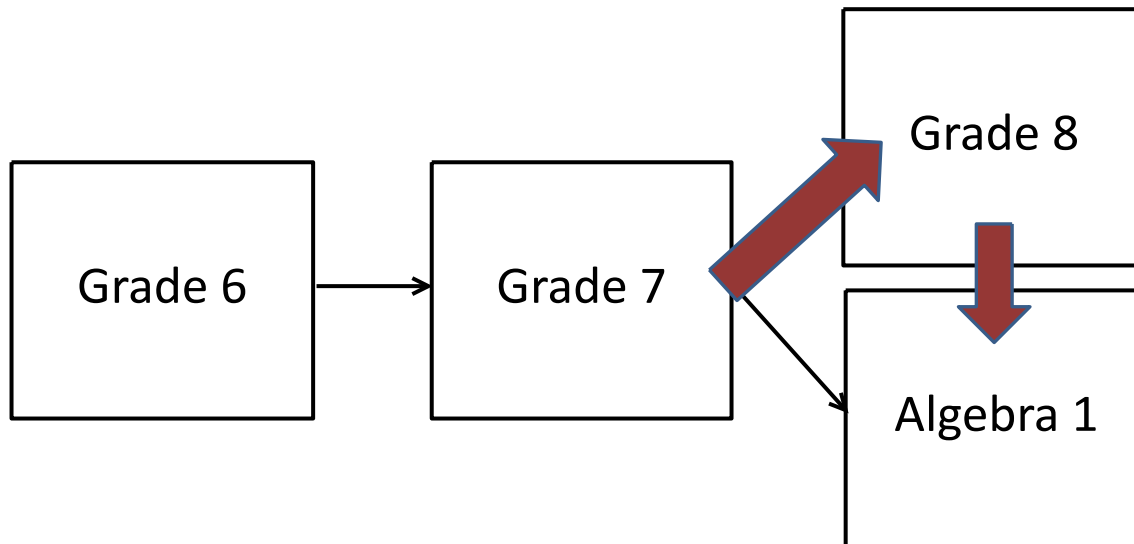


Why did this plan work this year?



Many Grade 7 students were able to transition directly into Algebra 1 because most of the Common Core Grade 8 standards were covered in California Standards in grade 7.

Why won't this plan work in the future?



Current Grade 7 students must take Grade 8 Common Core Math prior to Algebra 1.



Mathematics Framework

California State Board of Education

“The Grade 8 standards are of significantly higher rigor than the previous Algebra 1 course that students took in 8th grade.”

“... the new Algebra 1 course includes more advanced topics and includes more in-depth work... and goes beyond the previous high school standards.”

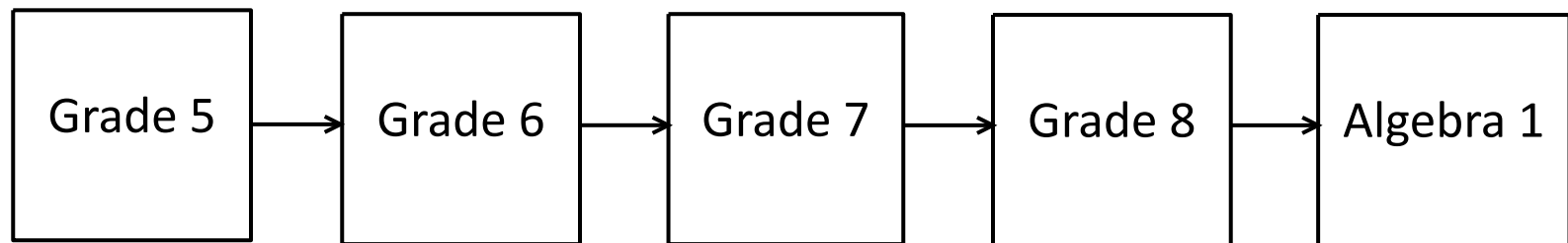


Mathematics Framework

California State Board of Education

“There will be some students who are able to move through the mathematics quickly. These students may choose to take an accelerated or enhanced mathematics program...so they can take college-level mathematics in high school.”

Common Core Math Pathway



How do we accelerate students without compromising the mathematics learning progression?



Mathematics Framework

California State Board of Education

“... a middle school acceleration pathway could compact grade seven, grade eight, and Algebra 1 in middle school.”

What are other districts doing to address this need?

- A survey of districts shows the following:

District	Course Sequence Offered
ABC	Implementing accelerated math pathway this year.
Bellflower	Implementing accelerated math pathway this year.
Downey	Not currently planning an accelerated math pathway.
LBUSD	Accelerated math pathway in place for several years.

What do we need to provide?

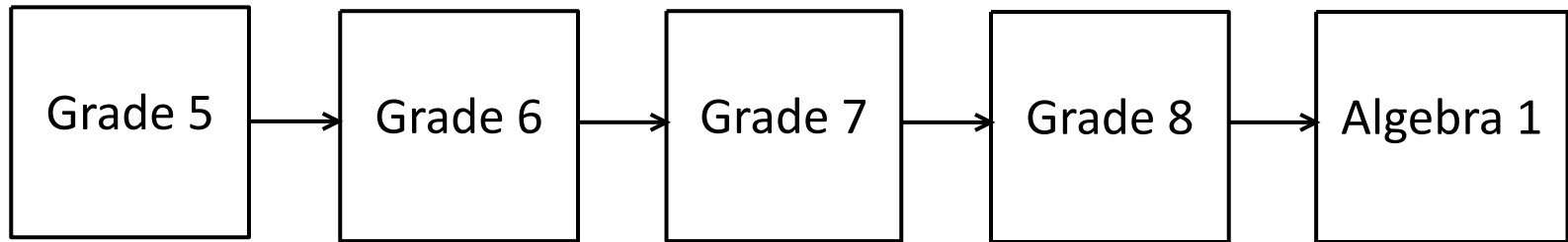
- Need to plan a sequence of courses that accelerate math content in grades 6 and 7.
- Students will learn approximately a year and a half's content each year in both 6th and 7th grade.
- After two years, students will have covered Math 6, 7 and 8 and will be prepared for Algebra I in 8th grade.

How will this happen?

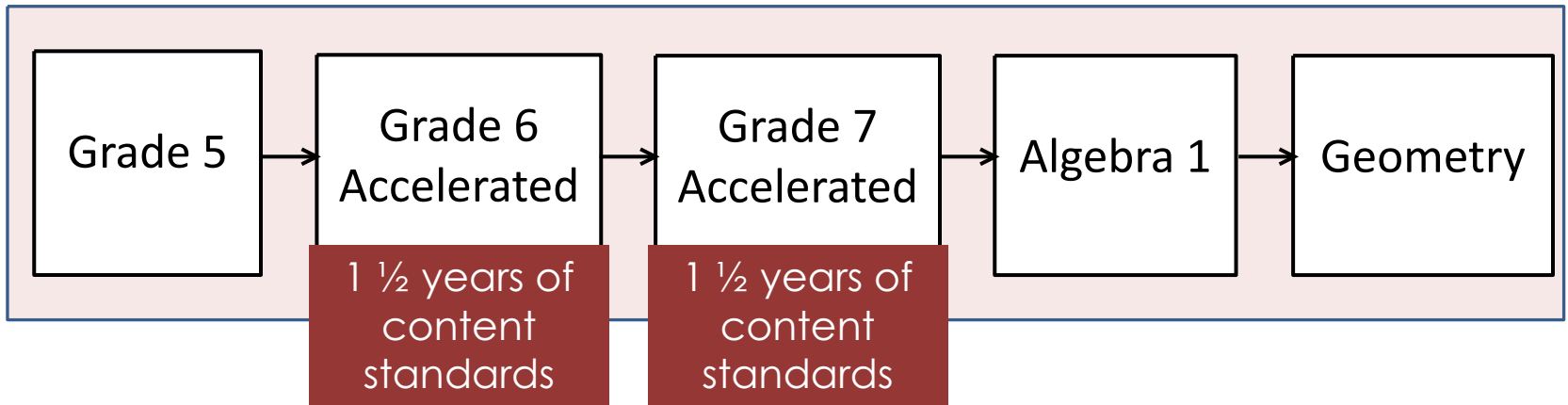
- Plan will be phased in with sixth grade in 2015-16. Each middle school will offer Accelerated Math 6.
- 2015-16 – Implement Accelerated Math 6
- 2016-17– Implement Accelerated Math 6 and 7
- 2017-18—Students take Algebra I in 8th grade

Common Core Pathway Plan

Current



Future



What do we need to do to maintain 8th grade Algebra during the transition period?

- Current 7th grade students who will take Algebra I in 2015-16 will not have been part of the Accelerated Math Pathway.
- A summer school course will be created for these students. Other options for providing additional math instruction will be planned.

Next Steps:

- Accelerated Math Committee will provide input into creating an Accelerated Math Pathway and a transition plan for current 7th graders.
- Develop a course outline, plan professional development.

Accelerated Math Committee

Name	School	Assignment
Anastasia Bias Helena Chun	Roosevelt, Keppel	Math Coach 5 th Grade Teacher
Michelle Cribari Kelly Anderson	Alondra	Math Coach Assistant Principal
Grace Yu	Hollydale	Math Coach
Enrique Andrade, Beryl Artan	Jackson	Teacher , Math Coach
Derek Sanchez, Stephanie Alexis	Paramount Park	Math Teacher, Math Coach
Robin McPherson, Lisa Kirk	Zamboni	Math Teacher, Math Coach
Katherine Thomas , Claudia Catalan	PHS West	Math Teacher, Math Coach
Andy Yonaki, Clarinda Allen	PHS	Math Teacher, Math Coach
Kelly Murphy	TAP	Math Teacher
Kelly Morales, Theresa Diaz, Marya Hughes, Debbie Stark	Ed. Services	Math Curriculum Specialists Asst. Superintendent



Questions