



Mountain View  
Whisman  
School District

# Mathematics Programming and Curriculum Adoption Process

October 3, 2024





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# Alignment

# Alignment to Strategic Plan 2027

## Goal Area 1 - Instruction

- Effective and consistent instructional practices that meet the needs of all students

### Strategic Initiative 1a.3

Develop programs to increase opportunities for underrepresented students to reach high levels of academic success

# Background

- Curriculum adoptions are usually conducted according to the cycle of approved Curriculum Frameworks outlined by the California Department of Education
- Approved curriculum is dependent on a state approved Framework as it contains evaluation criteria for the adoption of materials
- California finally approved a revised Mathematics Framework in June of 2023 after a four year delay
  - The delay was due to a variety of factors including:  
Covid-19 pandemic and the need for multiple revisions due to feedback and criticism
- This delay is also delaying the District's plan to update math programming and materials

# Background

- An approved list of mathematics materials is not expected until November of 2025 and this timeline is subject to change
- MVWSD adopted Eureka Math K-8 in June 2015
- Materials are usually updated every 6-8 years
- MVWSDs math materials are 9 years old
- Math placement assessments and criteria have not been adjusted since 2021-22
- A middle school mathematics placement appeals process was added in 2023-24

# Additional Information

- Districts are able to adopt new materials without an approved list as long as a majority of members of the committee are teachers
  - MVWSD adopted new K-5 ELA materials without a list in 2023-24
  - 13 Districts in California have adopted new mathematics materials K-5 since 2020 according to a report from the *Center For Education Market Dynamics*
- Ed. Reports does have a list of mathematics materials that have been rated for both alignment to standards and usability
  - this list could be used as a starting point for an adoption process and compared to the approved list from the California Department of Education when released



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# Current Mathematics Programming

# Elementary Programming

## Core Instruction

- K-5: *Eureka Math, A Story of Units*, Great Minds Publishing
  - Counting and Cardinality (Kindergarten only)
  - Operations and Algebraic Thinking (K-5)
  - Number and Operations in Base Ten (K-5)
  - Number and Operations - Fractions (3-5)
  - Measurement and Data (K-5)
  - Geometry (K-5)



# Middle School Programming

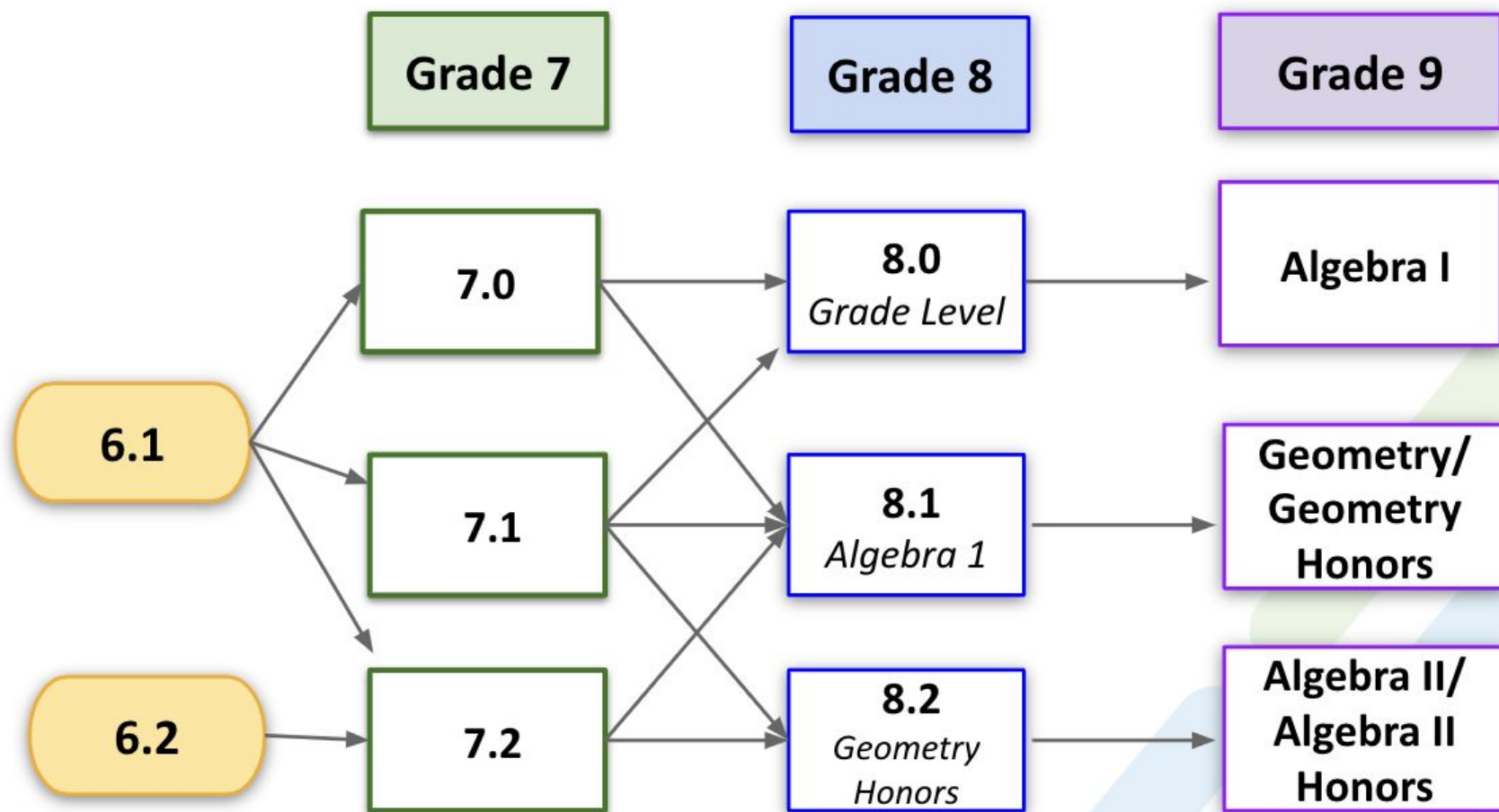
The 6-8 program builds on the foundation for higher levels of math with a focus on the following domains:

- **6-8 Eureka Math, A Story of Ratios, Great Minds Publishing**
  - Ratios and Proportional Relationships (6, 7)
  - Expression and Equations (6-8)
  - The Number System (6-8)
  - Statistics and Probability (6-8)
  - Geometry (6-8)
  - Functions (8)
- **Algebra 1: *Eureka Math, A Story of Functions*, Great Minds Publishing**
  - Functions
  - Algebra
  - Statistics and Probability
- **Geometry: *Eureka Math, A Story of Functions*, Great Minds Publishing**
  - Geometry

# Middle School Programming

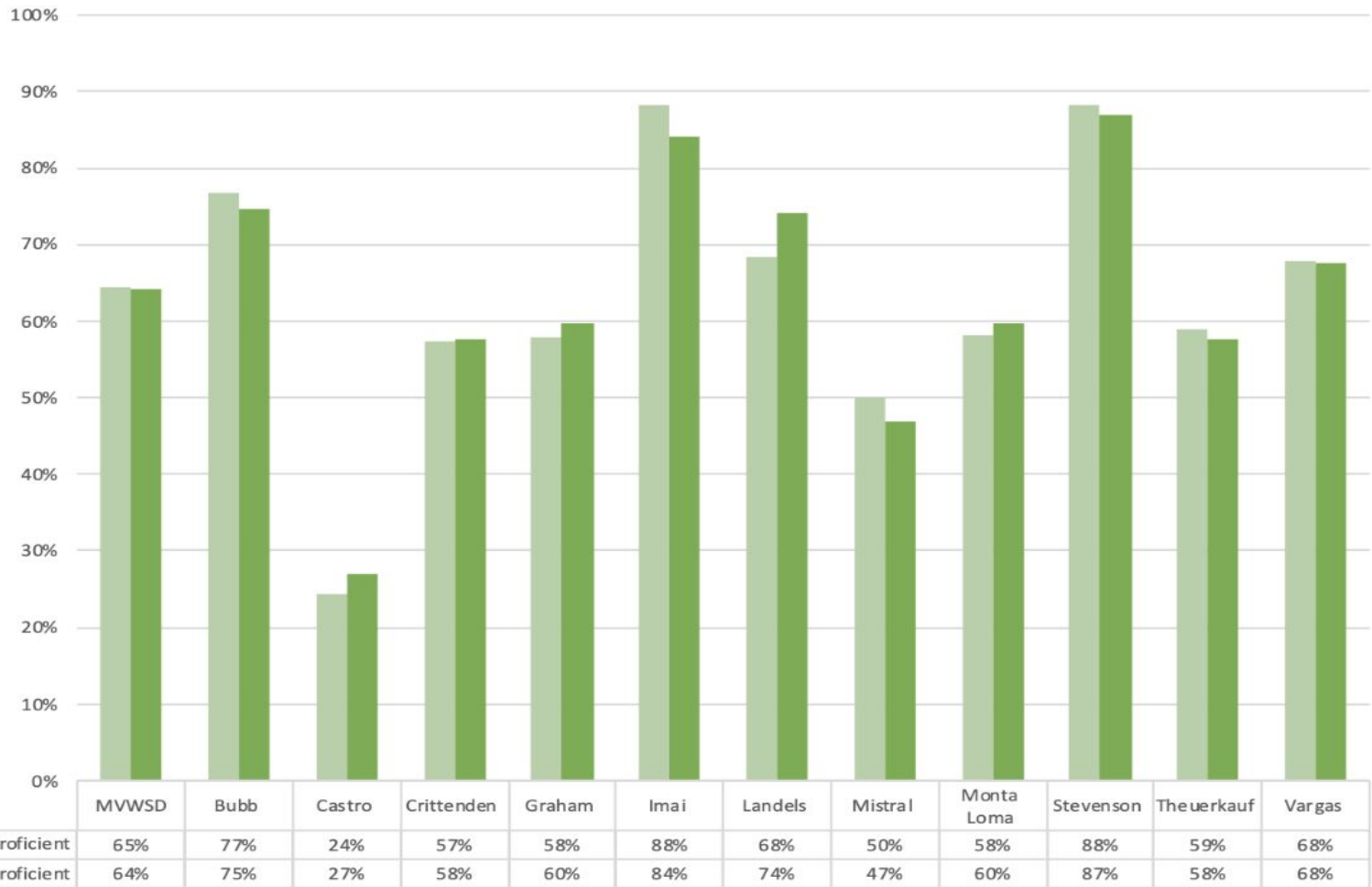
- MVWSD currently offers a variety of math pathways for students
- All pathways allow student to enter high school on a college preparatory or A-G track
  - Students are initially placed into math pathways based data from District i-Ready and state assessments given in May.
  - All students have the opportunity to adjust their pathway in August based on data from i-Ready which includes accelerating to a more challenging pathway or moving to a course better suited to their abilities.
  - In 2023-24, the district implemented a math appeals process to allow students and parents another opportunity to adjust their pathway

# Middle School Math Pathways



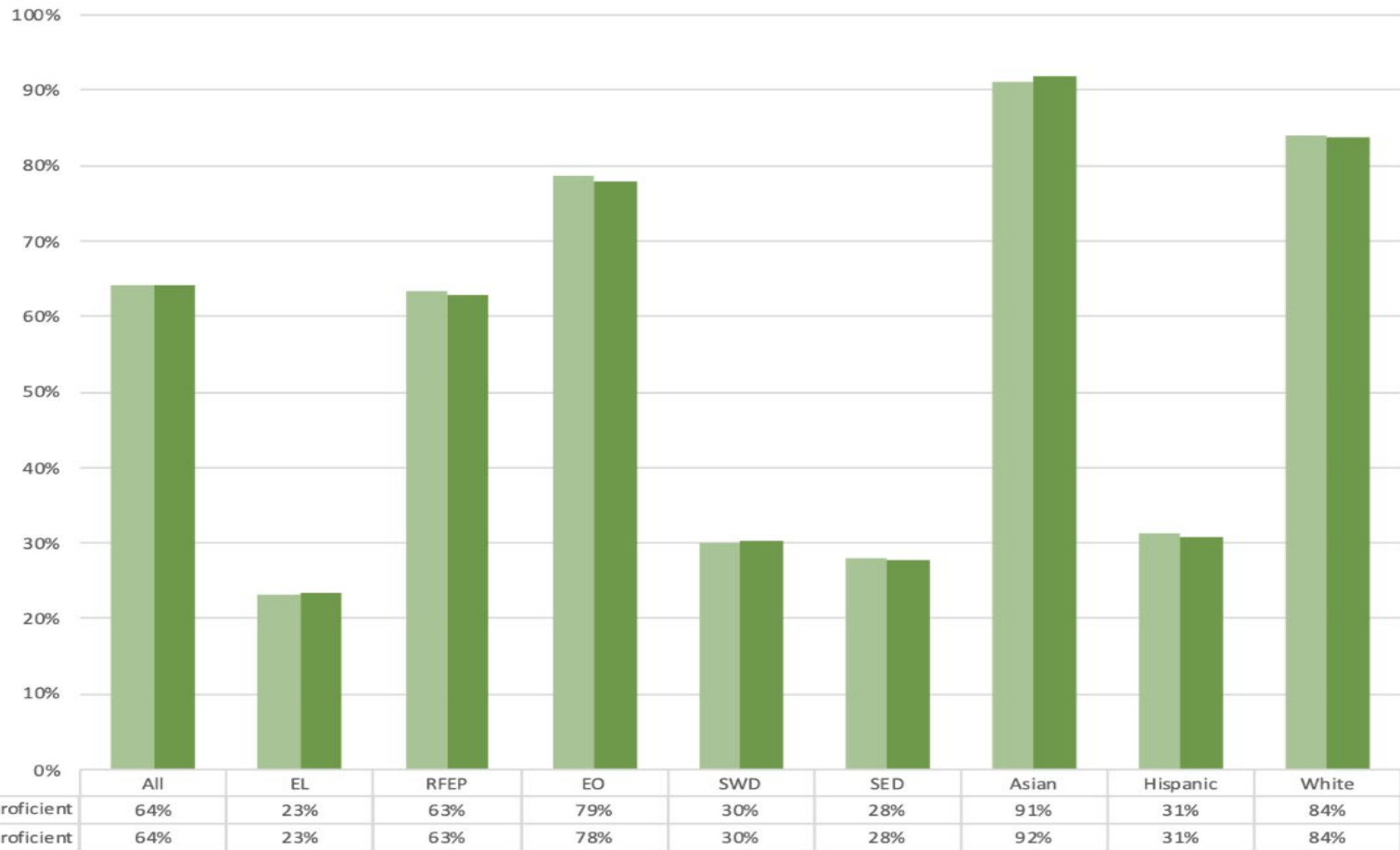
# Overall Math Data - i-Ready

Math Proficiency - By School  
Diagnostic 3 - 2-Year Comparative



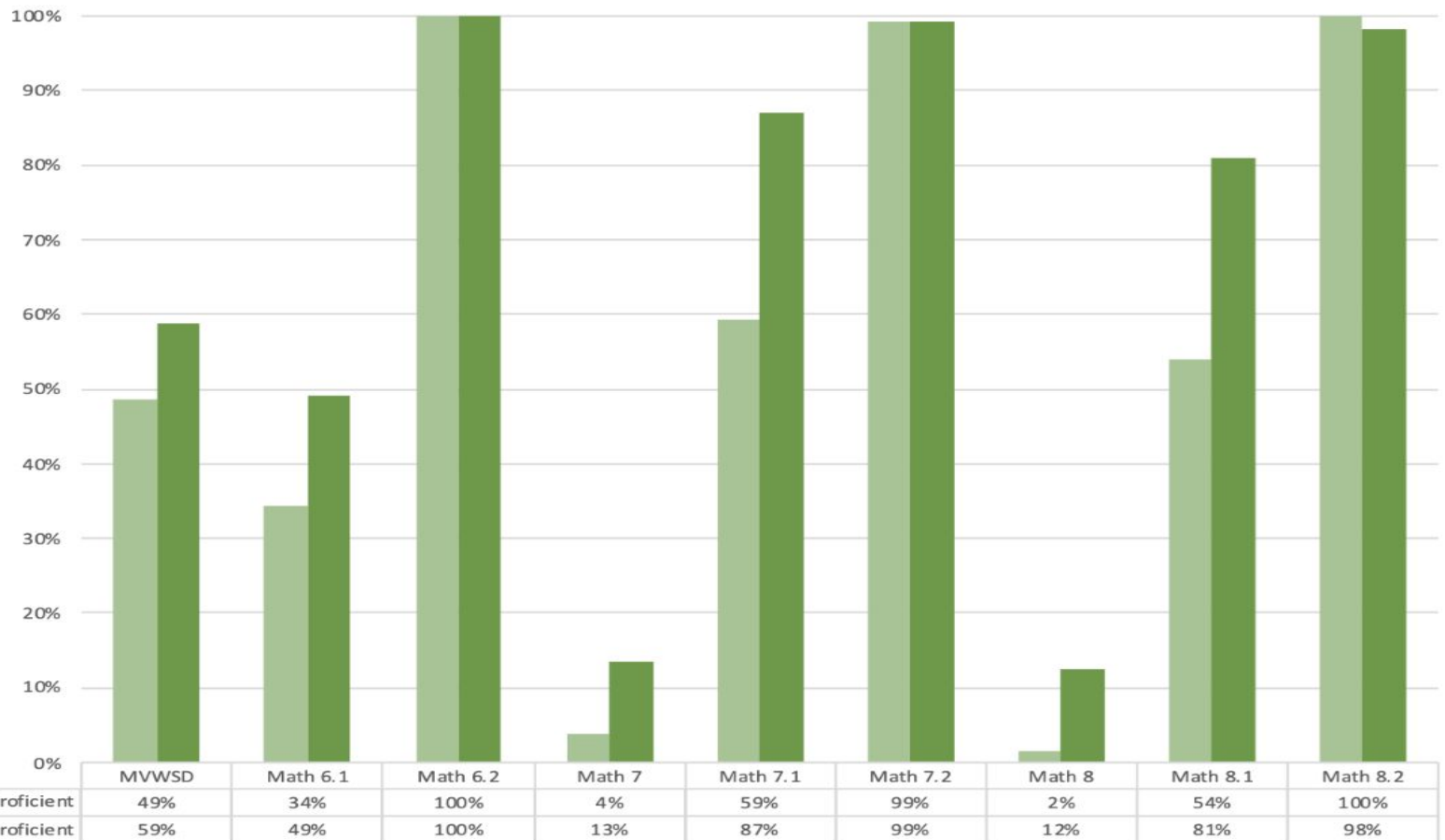
# Student Group Math Data - i-Ready

Math - Student Subgroup  
Diagnostic 3 - 2-Year Comparative



# Middle School Math Data i-Ready

Math Pathways Proficiency  
Diagnostic 1 to Diagnostic 3 (August --> May 2024)



# 7th and 8th Grade Pathway Enrollment 2023-24

<b>Student Group</b>	<b>.0 Grade Level</b>	<b>.1 Accelerated</b>	<b>.2 Advanced</b>
<b>Asian</b>	10%	30%	61%
<b>Hispanic/Latino</b>	75%	21%	4%
<b>White</b>	17%	44%	40%
<b>SED</b>	74%	21%	5%
<b>EL</b>	93%	7%	0%

# 2023-24 - 7th and 8th Grade Accelerated Pathway Enrollment by Feeder School

Feeder School	.1 Accelerated	.2 Advanced
Bubb	13%	22%
Castro	8%	1%
Imai	15%	25%
Landels	15%	13%
Mistral	14%	4%
Monta Loma	6%	6%
Stevenson	14%	17%
Theuerkauf	6%	2%
Vargas	9%	10%



# Data Summary

- Overall, District i-Ready math results are flat with only 64% of students proficient at the end of the 2023-24 school year
- Math proficiency varies across school sites
- Large gaps in proficiency exist between student groups especially for traditionally underrepresented groups
- Proficiency for students in advanced pathways (.1 and .2) is high
- Not all student groups are accessing advanced math pathways
- Enrollment in advanced math pathways varies by feeder school



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# Considerations

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- All students deserve a strong mathematics program which provides opportunities for acceleration if desired
- Large achievement gaps in mathematics that were exacerbated during the pandemic persist
- Not all groups of students are accessing accelerated math pathways
- Mathematics materials and programming need to be updated
- Pathways, placement assessments and placement criteria need to be thoroughly reviewed and possibly adjusted
  - the i-Ready instructional pathway is no longer supported by the District, but the District still uses i-Ready results for placement
- Elementary math instruction lays a foundation for success in higher levels of math starting in middle school
- Elementary teachers need time to learn the new ELA curriculum before they can learn a new math curriculum



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# Mathematics Programming and Curriculum Adoption Process

# Process

- District staff is beginning a process to update mathematics programming, pathways and placement and curriculum
- The process is estimated to take 2 years
- The exact length of the process could be lengthened by the adoption of the approved list of materials by the California Department of Education - now slated for November 2025

# Process: Year 1 - 2024-25

## Root Cause Analysis

- In year 1 staff will focus on the following:
  - Researching root causes of achievement gaps in math
  - Researching inequities in enrollment in pathways in middle school and potential solutions to support underrepresented student groups
  - Researching placement and pathway options used by other Districts
  - Seeking stakeholder (student, staff and parent) input related to mathematics curriculum, instruction, pathways assessments and placement
  - Updating the Board of Trustees and seeking direction based on information collected

# Process: Year 2 - 2025-26

- Convene a Mathematics Programming and Curriculum Adoption Committee in Fall 2025
  - committee will be comprised of a majority of teachers as well as interested parents and District staff
  - committee will communicate progress and seek stakeholder input as needed
  - committee will look to review, pilot and recommend new materials for adoption pending release of the approved list of materials by the CDE
  - committee will also potentially recommend changes to pathways, assessments and criteria for placement in middle school

# Questions for the Board

- What are trustees' thoughts on waiting for an approved list of materials from the California Department of Education (further delay the adoption of new materials by 6 months or one year?)
- What else should staff consider as we begin this process?
  - What is missing or needs to be included?





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# Next Steps

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- Begin year 1 process pending input collected from the Board
- Focus on collecting and analyzing data and input
- Communicate progress regularly over the course of the process