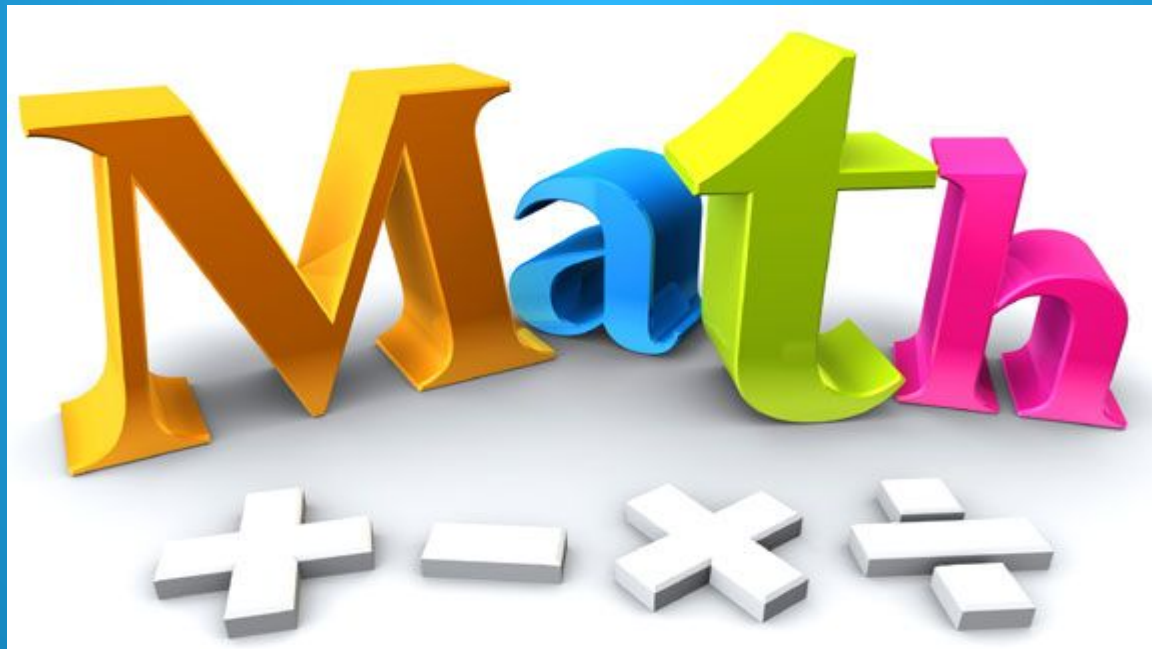


# Math Curriculum Adoption

Board of Education Meeting  
June 12, 2019



# Math Curriculum Adoption

## Process:

- **County math review team facilitated an evaluation of our curriculum**
  - Began 18 months ago with input from teachers, parents, and administrators
    - Came up with questions to guide the review process
  - All math teachers grades K-8 were involved in the review of materials in February 2019
    - ½ day workshops with grade level groupings -- K-2, 3-5, 6-8 in February
- **Meeting held to review the results of the evaluation on April 25th**
  - Teacher representative from each grade level K-5, middle school teachers
  - Findings from the math review team:
    - **To what degree does the curriculum address and focus on grade level standards?**
      - The K-8 curriculum addresses the grade level standards but it is not clear whether the focus is appropriate.
      - A handful of standards and topics that were out of grade level
      - Absence of guidance around lesson timing and unaccounted for instructional days could result in the wrong topics/standards being emphasized and affecting the overall focus

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- **To what degree does the curriculum meet the content expectations of the framework and prepare students for the next grade level?**
  - The K-8 curriculum partially meets the content expectations of the framework, preparing students for the next grade level.
  - Lack of program organization can prevent teachers for accessing and using high quality resources.
- **To what degree does the curriculum implement the standards of the mathematical practices?**
  - The K-8 curriculum provides opportunities for SMP engagement.
- **To what degree is the curriculum organized in a user-friendly way?**
  - The K-8 curriculum is not organized in a user-friendly way.
    - No common format or lesson structure
    - Difficult to identify and/or find lessons or distinguish between teaching resources and student materials
    - No learning objectives or identified standards for lessons
    - No written explanations or suggestions for instruction

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- **Recommendations from the County math review team:**
  - Improve the coherence, focus, and usability of the existing curriculum
  - Continue to engage K-8 teachers and administrators in both grade level and vertical teams in regular professional learning focused on the mathematics standards, framework, and SMPs.
- **Our site team decided to look at what is currently available K-5, 6-8**
  - Binders would take a considerable amount of time and effort to become a more effective instructional resource
  - The last review of curriculum was approximately ten years ago, when the California CCSS were newly adopted. The search did not result in an adoption, as publishers had not yet made the appropriate adjustments in curriculum and lesson design.

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- **Recommendations from the County math review team:**
  - Improve the coherence, focus, and usability of the existing curriculum
  - Continue to engage K-8 teachers and administrators in both grade level and vertical teams in regular professional learning focused on the mathematics standards, framework, and SMPs.
- **Our site team decided to look at what is currently available K-5, 6-8**
  - Binders would take a considerable amount of time and effort to become a more effective instructional resource
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- The team convened on May 28th at the County's Instructional Resource Center
  - I created a list of publishers based on what surrounding schools are using, my experience, and recommendations from a trusted math consultant:
    - **Elementary Review:**
      - Math Expressions
      - Investigations 3 -- Pearson
      - Bridges
      - Everyday Mathematics
      - Ready
    - **Middle School Review:**
      - Open Up Resources
      - Connected Math 3 (already in use at R. Roger Rowe Middle)
      - Ready
      - Everyday Mathematics -- Grade 6/Glencoe Math
  - Team members:
    - Erin Dunigan (absent due to illness), Angelina Isambert, Jessica Henke, Terrie Bacon, Jen Overstreet, Megan Loh, Christine Teofilo, Terri Corduan, Lori Edwards

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- **County math expert facilitated our review of the programs against the following criteria:**
  - What is our vision of teaching and learning mathematics for Rancho Santa Fe?
  - How well do the instructional materials provide opportunities for students to engage in the Standards for Mathematical Practice?
  - To what extent do the instructional materials provide high-quality tasks in alignment with the California Mathematics Framework?
  - How well do the instructional materials support the major principles of focus, coherence, and rigor?
  - How well do the instructional materials provide access and extension for each and every student?
  - What works in terms of how the curriculum is organized or structured? What helps you access, understand, plan, and the use the curriculum materials?

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- **K-5 Curriculum Decision - Everyday Mathematics**
  - **Consistent workshop model across grade levels:**
    - Math routines
    - Math message - problem to launch the lesson
    - Students work independently and in partnerships to try on the math
    - Summary/explicit teaching of math concepts
  - **Consistent language and structures**
  - **Differentiation**
  - **Spiraling**
  - **Teacher resources, Student journals, homelinks/study links**
  - **Reinforcement of essential concepts through “Math boxes”**
  - **Digital component - presentations and resources for teachers, resources for students and parents**