

Secondary Math 6-8 Update

Report to the Board of Education
November 26, 2019

Dr. Susie Da Silva, *Assistant Superintendent of Schools*
Dr. Felicia Bellows, *Math Department Chair 6 - 12*

Purpose of the Research Team

- Research primary resources for 6-8 mathematics
- Investigate implications for 9-12 mathematics
- Make a recommendation



Secondary Math Research Team

- Math Research Team formed
- Awareness Workshops of Resources
- Comprehensive study of programs to determine the most appropriate to pilot
- Pilot Aligned to Current Scope and Sequence
- Collect Feedback
- Make Recommendation

Three Resources:

- 1) Big Ideas Math -
Modeling Real Life Common Core
- 2) Math in Focus 2020
- 3) Illustrative Math

Themes and Guiding Questions

Alignment

Accessibility

Coherence

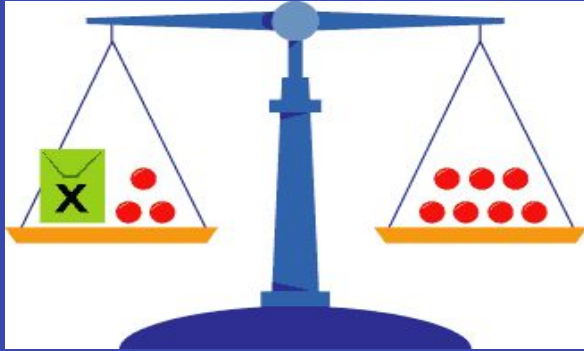
Flexibility

Support

Placement

Outcomes of the Research

- Connecticut Schools
- Common Approaches
- Problem Solving Strategies
- High Priority Attributes



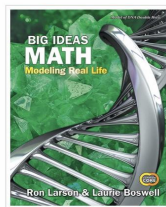
- Balance
- Alignment
- Strength of Instructional Model
- Student Engagement
- Usability
- Diversity

Big Ideas Math 2019 Modeling Real Life

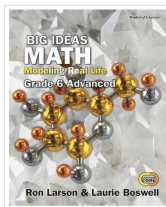
MODELING REAL LIFE: COMMON CORE EDITION



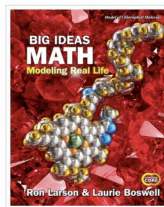
Middle School



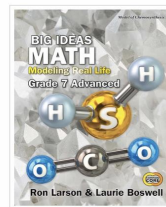
GRADE 6



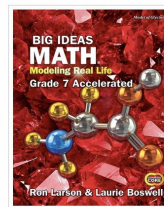
GRADE 6 ADVANCED



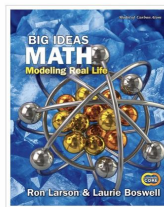
GRADE 7



GRADE 7 ADVANCED



GRADE 7
ACCELERATED



GRADE 8

- Instructional design
- Differentiation
- Technology

Sample Tasks:

- STEAM Video
- Exploration
- Vocabulary
- Scaffolded Practice
- Modeling Real Life
- Performance Task

EXPLORATION 1

Math Practice

Use a Table

How can you use a table to represent the relationship between the numbers of girls and boys?

Writing Ratios

Work with a partner. A science class has two times as many girls as it has boys.

- Discuss possible numbers of boys and girls in the science class.
- What comparisons can you make between your class and the science class? Can you determine which class has more girls? more boys? Explain your reasoning.
- Write three ratios that you observe in your classroom. Describe what each ratio represents.



Future Work:

- 1) Update Current Scope and Sequence
- 2) Professional Learning
- 3) Continued Grade 5 -6 Articulation
- 4) Renaming Courses

Questions?

Thank you!

Secondary Math Team Members

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- ★ Mary Scalise, Middlesex Middle School Assistant Principal
- ★ Michelle Kirshner, Middlesex Math Teacher, Grade 6
- ★ Susan Shannon, Middlesex Math Teacher, Grade 6
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- ★ Dana Siano, Middlesex Math Teacher, Grade 7
- ★ Wendi Michael, Middlesex Math Teacher, Grade 7
- ★ Dan Kensek, Middlesex Math SRBI Interventionist
- ★ Lou Russo, Darien High School Math Teacher
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