

AVOCA WEST
MATH UPDATE

Reflections & Looking Forward

2017 BOARD PRESENTATION REFRESHER:



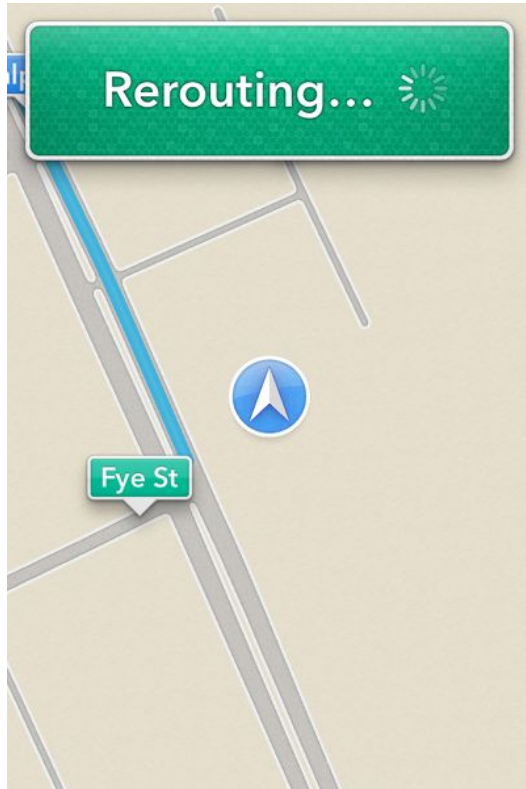
Rather than Picking ONE curriculum/resource, the Math Committee Recommended using:

- Bridges Mathematics
- ISBE Model Mathematics Curriculum Resources
- Investigations
- LearnZillion
- Khan Academy
- TenMarks
- Front Row
- Exemplars
- Dreambox

IMPLEMENTATION PLAN INCLUDED:

- ❑ Math Committee develop Curriculum Framework document for each grade level (Spring/Summer 2017) -- includes "Must Do" & "May Do"
- ❑ Grade Level meetings on Standards-Based Rubric and Curriculum framework philosophy (Spring, 2017)
- ❑ Bridges Resource Training with K-5 Teachers (May, 2017).
- ❑ Math Committee guide grade level colleagues in planning units using the Curriculum Framework and selected resources (Summer, 2017).
- ❑ Parent Math Night (Fall, 2017)
- ❑ Weekly meetings to discuss curriculum, instruction, and assessment implementation (2017-2018 school year)
- ❑ Weekly meetings for PLC teams to review assessment data (2017-2018 school year)

ADJUSTMENTS MADE DURING 2017-2018 YEAR



Clarification of Math Workshop Model:

- Does not need to be a constant rotation between different groups! Can closely resemble writer's workshop -- mini-lesson and differentiated support based on needs of students

Team Math Meetings:

- Planning was priority! Addressing this need meant removing data meeting.
- Diane Bilcer to join math meetings to help planning for differentiation and to support bringing resources to classroom

Curriculum Frameworks:

- Allowing a unit plan vs. full year plan helped teachers to plan and reflect throughout unit

2017-2018 ELEMENTS & OBSERVATIONS

Element:	Wins:	Opportunities for Improvement:
Standards-Based Focus	HUGE increase in our knowledge of standards & progressions from one grad level to next	Increasing knowledge of where to go next
Curriculum Framework for Grade Levels	Focused on needed vocab, resources, & assessment	Cumbersome & complex to use, so moved to many additional docs of resources
Assessment based on ISBE Performance Level Rubrics	Clarity on what success looks like at different levels -- and where to go next!	Tracking the data in one space to see natural groups & progress monitor. Many components in rubrics
Guided Math/Math Workshop	Allowed for in-class differentiation based on student needs	Planning for different centers, groups, etc. felt overwhelming when implementing.
Variety of Resources	Allows autonomy for teachers	Overwhelming and required too much for prep to plan instruction

PLANNING FOR A SUCCESSFUL 2018-2019 YEAR

Using what we know and learned to pave the way!

Reflect and Map out the Year - *Begin with the End in Mind*

- What needs to be taught?
- When should it be taught?
- What resources will be used to teach it?

New Year-at-a-Glance for all grade levels

- Include vocabulary & plans for making math word walls a resource for students
- Begin with *Bridges* resources and embed other resources where *Bridges* does not meet the need of the standard (or student)
- Incorporate other tools (Exemplars, 3 Act Math, Mathematical Mindsets, etc.) intentionally where appropriate
- Include a separate column for “reflections/notes” to pause and jot each week throughout the year.

Assessment Data Tool (*Bridges* based, but standards focused) to track student learning and to guide grade level conversations

- Classroom and grade level tracking - to foster grade level PLC conversations beyond planning



PLANNING FOR A SUCCESSFUL 2018-2019 YEAR

Summer 2018

- Math Committee Team Members outline the plan to be able to confidently say WHAT, WHEN, HOW, and WHY we'll tackle math next year.
- Grade levels meet to share the plan/Year At a Glance with Math Committee Member as the leader on the team (departmentalize)

During the School Year

- Assessment Data Tool to track progress in the standards for progress monitoring and planning as a team for groups
- Weekly planning includes a pause for reflection on what's working and things to adjust next time
- Advanced Learner will support differentiation for students who are demonstrating success at current grade level benchmark.

Math Team Meetings

- Meet regularly to support one another and to look for learning along the way!