

NOTES for January 25, 2017, 8:30 - 3:00

Elementary Math Adoption Pilot Committee

Objectives:

- Mid-Round 2 Check in

Notes

Introduction and update from Board meeting
Move forward with a potential round 3

Time to discuss in grade levels any concerns or questions about student continuity in math concepts while in a 3rd round of pilot

Notes from thoughts on where teachers will be at end of pilot in regards to standards being met and topics are topics covered that are needed .

1st grade Bridges – topics are being covered to meet grade level standards
Eureka teachers were not present at meeting

2nd grade - for the Feb. 10th round
Eureka will stop at 2/10 date
Bridges will stop at mid-unit
For possible pilot of Investigations they would choose either repeated addition or measurement

4th grade – Bridges – some teachers will continue with it since the concepts were introduced in a certain way to see where it goes. They will also supplement

5th grade - Topics of concern for the rest of the year are long division, multiplication of decimals, and geometry (measurement and volume). These are topics they are tested on so they will pull together materials from their resources to teach these concepts.
Possible Topic for Investigations would be Geometry

Pearson- Shannon Webinar

Review what is in the bag- you may keep these regardless of pilot

- Student edition
- Small softcover book -Investigations content guide (CCSS and how Investigations addresses the CCSS and within the specific grade level)

- Large softcover is the implementation guide- it has all of the criticalsetting up your classroom, info on differentiation instruction, info for families, math at your grade level, classroom routines (K-2) ten minute math (3-5) very similar to number talks
- Unit 1 curriculum guide for your grade level

TERC wrote Investigations- been around for 30 years

Brand new 3rd edition- 2017 school year

Front cover lists the collaborating teachers and reviewers (field tested in classroom)

Goals for Investigation 3

- Ensure in-depth coverage of the CCSS
- Support students in making sense of mathematics and learn that they can be mathematical thinker
- Emphasize embedded professional development
 - Mini math
- Leverage digital delivery for teachers
- Increase digital access to instructional resources for students and parents
 - Facilitating the homeschool connection

Investigation really promotes “flexible” thinkers in new situations- inquiry based programs. Become comfortable with multiple methods.

Components in the program

- Teacher curriculum units- 8 for K-5
- Implementation guide
- CC content guide
- Assessment sourcebook
- Student activity book
- Manipulative Kits- comprehensive kit that are used in the program
- Card packages are reinforces that go with the games in the program
- Teacher Resources DVD
- Examview CD
- Digital Access to www.Pearsonrealize.com
- Scout App for iPads (helps with some of the assessment)- lets you take photos (?)- you can pilot the Scout App as well as long as you have iPads

30 years of research and 11 mil in NSF funded

- 8 Units in all K-5
- Investigation 3-5 - investigations are like a chapters
- 132-145 session (lessons) depending on your grade level

A Day in the Life

- Inquiry lesson
- Classroom routines (number talks/Dot Talks) 10 minutes outside the daily lesson Does not need to proceed the lesson
- Daily lesson is about 60 minutes.
- Directly tied to the standards and will be reinforcing concepts
- A daily session can be made up of a combination of activities
 - Activities
 - Discussion
 - Math workshop
 - Assessment activities
- Session follow up at the end of each day
- Homework is not included in the above activities

Activities-

- aligned to objectives
- individual small group or whole groups
- Connect to prior knowledge,
- review old concepts
- introduce new concepts
- Clarify definitions

Discussions

- are always tied to activities or math workshop
- Sharing and clarification of objectives
- consolidates , clarify and refine understanding of concepts

Math Workshops

- will happen in some of your discussions
- Explore concepts to build conceptual understanding
- Develop procedural fluency
- Problem solve, reason quantitatively and abstractly and engage in mathematical discourse

Students will draw from their prior knowledge and will construct new knowledge and understanding

Students:

Quick Images

- is part of the classroom routines (K-2) and minute math (3-5)
- Develop patterns, automaticity, focus, open ended, multiple strategies
- Teaching students how to organize groupings, subitizing, composing, decomposing

Variety in classroom sessions

- Everyday you will have 1-minute math and followup

Multiple methods in mathematics

In the research they have anticipated student response and misconceptions in order to(sorry, I missed part of this- please fill it in)

Games-

- have multiple purposes (strategy and fluency)
- In print and online digitally
- Digital games at every grade level (for differentiation)
- The program does not automatically correct the student's answer digitally/just like in print
- Why games??- promote reason and strategic skill and fluency practice
- Opportunities for observation
- Provides parents opportunities for interaction with the mathematics
- Positive learning environment
- Supports a wide range of learners

Questions:

Q: Do you have to be connected to the internet for the online materials to work? A: Yes

Q: The student activity book- the homework comes inside of it? Yes, the homework is typically designed= the homework page has the grid on the back and they can tear it out and take it home.

Q: Are the presentation able to be "edit"? No

Q: What are the other types of assessment are given throughout the units? A: Mathematical practice assessments in the unit (provides professional development in assessing for teachers). The Math practices are embedded in the investigation- They have selected 2 practices in every unit to highlight to engage the student and provide the opportunity to assess checklist- The assessment checklist is a spreadsheet for names and track student progress in the math practices. Benchmark assessments are progress towards the standard. Ongoing assessment- observing students in their work (daily formative assessments). Embedded assessments- you will find in the students activity book- tied to the professional development in the back called the teacher notes. Examples that you can see. Quizzes- shorter assessments that come every 5 to 8 session. Smarter balance "like" assessment that are found in the math platform (?? did I get that right?)

Q: Differentiation for EL and in general- I see dialogue in each lesson but what else? A: Expanded differentiation activities- a chart where you have leveled support- it is not in every session- put it in where it is appropriate.

Q: Is the homework available online? Yes, you can print them and students could complete them online

Q: Spanish version A: The spanish teacher companion the vocabulary and student workbook.....ah I missed this.

Q: Differentiation in rigor- Is there deeper extensions than do more of the same with a higher numbers A: Students are creating new problems and then working out each other's problems in a class book.

Q: Concern of the lack of rigor for those kids who come in with a great deal of mathematical knowledge. A: Look at the content guide for the grade level

Q: How often is homework included in the session A: in 2nd grade- twice a week. If you need more, go to the Activity words and ideas- just look to make sure the skills are tied to unit you are covering

Digital Suite

- Students can access this on any type of device
- Under your account, drop down for the "help" feature gives information for creating classes and creating assignments, customize assignments
- You teach from the Programs
- You can access your students and assignments under the Classes
- You can access the assessments from the Data

Programs tab

Under the grade you will find:

- Table of contents
- Resources
- Students
- etext
- Tools has games and math words and ideas
 - Math tools
 - Math words and ideas are extra activities that students can work on for additional practice of concepts

Pearson Created Assessments (scroll down past the units in the specific grade level)

- A unit test
- End of the year test mimics the next generation texts- auto graded

The resources are all online- show teacher resources

- The resources will open up on the right side of the screen (for the entire year)
- Parent letter
- Download and print homework pages

- Implementation guide
- CC guide
- Additional blackline masters

You can create and add your own content/files-

What is the website?

www.pearsonrealize.com

Homework: Foundational skills tied to unit you are covering

To keep in mind that when we re-evaluate the first and second phase- watchout for the bias- keep in mind that they are not the same.