



# K-5 Math Program Review Presentation

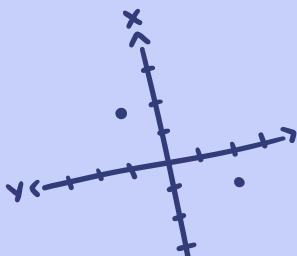
May 11, 2023

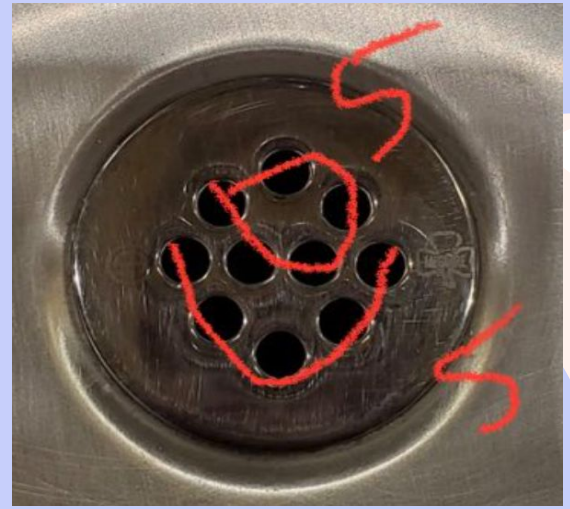
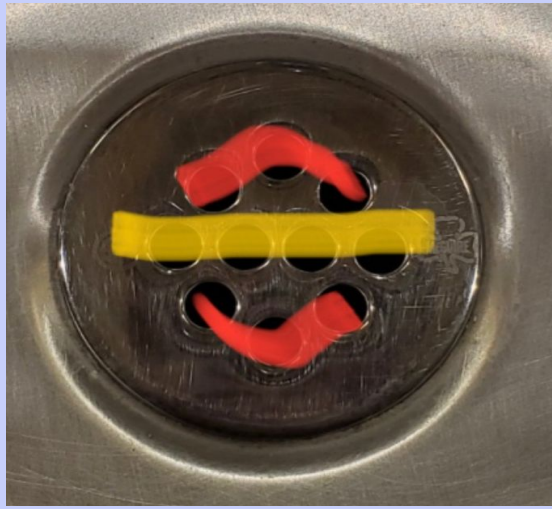
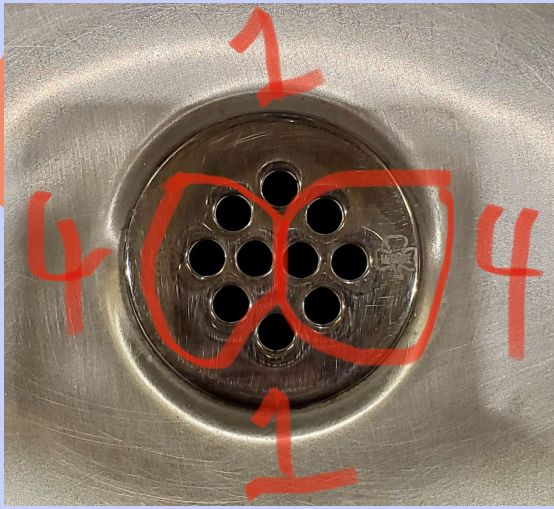


$$\sqrt{\frac{3}{4}} = \left(\frac{a^2}{b^2}\right)$$



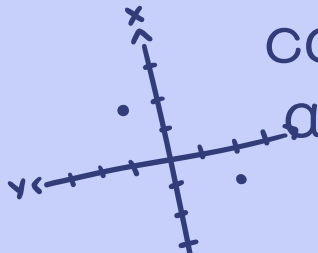
**Without counting...**  
how many holes in this  
drain?





You were “subitizing!”

(pattern recognition to  
strengthen number  
construction/deconstruction,  
addition, and number sense)



# The K-5 Math Committee



## Primary School

Melissa Keogh, Kindergarten  
Erica Scarnati, First Grade  
Carissa Bachmann, Second Grade  
Jennifer Modula, Special Education  
Christine Smith, Math Intervention



## Elementary School

Meghan Olah, Third Grade  
Debra Manaro, Fourth Grade  
Ivy Macdonald, Fifth Grade  
Patricia Lorton, Special Education  
Eva Blahota, Math Intervention

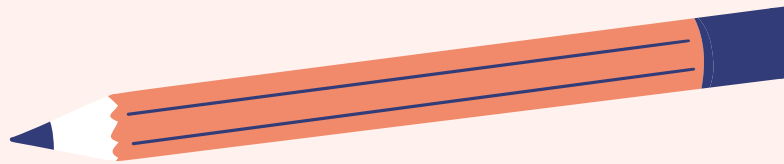


## District-Wide

Lisa Murin, Math Coach/Specialist  
Dr. Paul Baker, Primary School  
Principal  
Dr. Karen Barry, Director of  
Curriculum and Instruction  
Parent Representative  
Board of Education Member

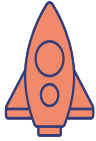


**Programs  
introduced to  
the  
committee:  
“Vendor Fair”**



- Reveal Math
- Envisions
- Go Math 2.0
- Innovamat
- Bridges Math

# And then there were 3...



## Go Math 2.0

Current Program for 7  
years  
Updating the online  
platform



## Innovamat

New Program with a  
different approach to  
teach math  
Student-Centered



## Reveal Math

Similar to Go Math  
A great deal of resources  
Easy to Use online  
platform

# Volunteers for a Pilot!

## **Innovamat:**

Grade 1 - Mrs. Scarnati & Mrs.  
Tobey

Grade 2 - Mrs. Bachmann/Mrs.  
Modula, Mrs. Hoffmann, Mrs.  
Vetrano



# Reveal Math Pilot

Kindergarten: Mrs. Keogh & Ms.  
Bordonaro

Grade 1: Mrs. Lamirande

Grade 2: Mrs. Lay & Ms. Bollini

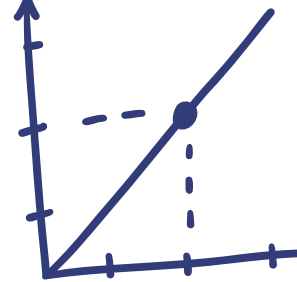
Grade 3: Mrs. Olah & Mrs. Marino

Grade 4: Mrs. Manaro & Mrs.  
Taberbero

Grade 5: Mrs. Murin & Mrs. Macdonald

$$\sqrt{\frac{3}{4}} = \left(a^2\right)$$

Reveal  
**MATH**<sup>™</sup>





# What about Go Math 2.0 Pilot?



# What did the anecdotal data show?



## Innovamat

- Very student centered, rich conversations
- Teachers and students were having fun with math
- Professional development support was strong
- Prepping for lessons (Adventures) takes a lot of time



## Reveal Math

- Teachers found quite a few mistakes in the program
- It was just like Go Math
- A lot of resources to manage
- Exit tickets and “Math Talk” exercises were well-received

# Professional Development Support (Innovamat)

## Weekly Planning Session

- Innovamat team met with teachers via Zoom on Mondays and Fridays

## In Person Training

- Innovamat team met with math committee and pilot teachers for half day and full day sessions
- Modeled instruction in pilot classrooms

## Parent Session

- Innovamat led a parent information session for parents whose children would be a part of pilot



# Professional Development Support (Reveal)

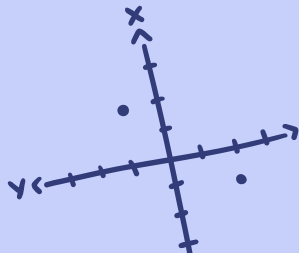
## In Person Training

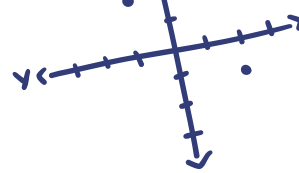
- Math coach and sales representative conducted site visits and classroom observations in all pilot classrooms



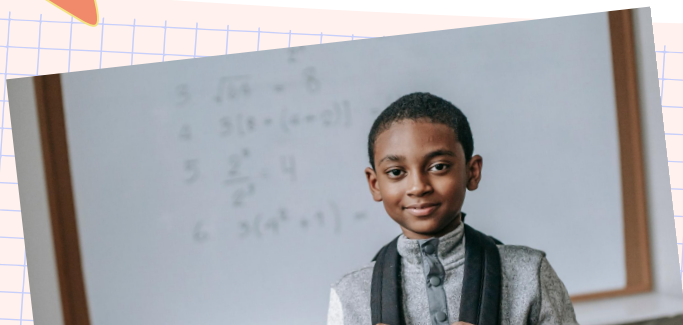
## Feedback from our teachers...

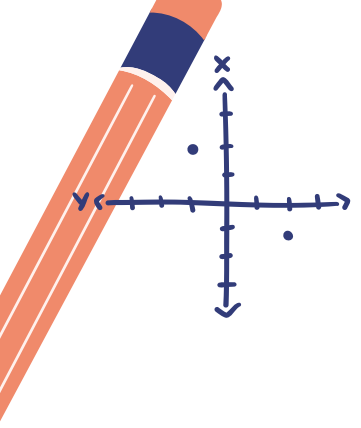
Teacher - I thoroughly enjoyed piloting the Innovamat program. My students were highly engaged, and all expressed that they preferred Innovamat over their current math program. I loved that the lessons were concise, leaving freedom for us as teachers to further the lessons how we see fit. My students really enjoyed the Adventure lessons, and the App.





**Teacher: The Innovamat lessons were hands-on and engaging. The students loved using the APP which helped collect data to demonstrate student understanding and growth**





## Special Education Teacher feedback:

- Active engagement
- Hands on learning
- Exposure to student centered learning and self discovery
- Provided opportunities for ALL learners to participate and solve problems using their own strategy
- Multiple exposure & practice

## Teacher feedback on higher level students:

- Active engagement
- Student guided discussions and discovery for new mathematical concepts
- Encouraged stamina and higher level thinking skills/ problem solving
- Provided challenges and opportunities
- Innovative





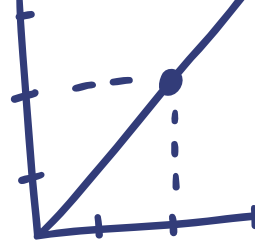
## Teacher Opinion of the Professional Development provided by Innovamat

- Intense training that was structured but also adapted to the needs or wants of our pilot team.
- Hands on approach that works within the program was the heart of the training. Teachers were supported in working with the program from weekly meetings two mornings a week to prepare for delivery of lesson as well as concerns.
- Innovamat members came into the classrooms for demonstrations and observations of teacher usage of the math program.
- Members of the Innovamat team were proactive and quick in responding to requests from our pilot team.

$$\sqrt{3} = (a^2)$$

16





Teacher: Although Reveal had a better online component than Go Math, it is lacking a lot of very important elements that should be present in any math program. Reveal is not strong in showing the procedure to solving problems. It's biggest downfall is that it is lacking in rigor. It does not frontload the students with enough information and does not give the students enough opportunities to explain their thinking or to try various strategies.



# Innovamat - Parent Feedback and Reaction



## Homework?

Lack of HW did not allow parents to monitor student learning

2023- Additional practice pages have been added for teachers to assign as at-home practice

App allows for at-home access at the teacher's discretion

## How do we know this program "works?"

The program is new to the United States and no other districts are using it

Researched-based program that uses National Council of Teachers of Mathematics (NCTM) as its guiding model

Fully aligned to NJSL

## Too much technology?

Students will spend too much time on a screen learning math.

Students will only be assigned 40min per week on the app for weekly assessments.

Primary modes of teaching and learning are through manipulatives, discussions, discovery, and written practice



# Innovamat - Parent Feedback from survey

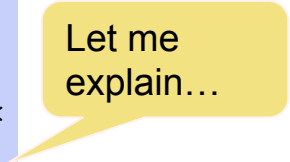
“She found it fun and engaging. Wanted to be able to use the program at home all the time. She truly loved it”

“Seemed straight forward but limited hw so not as familiar with the program.”

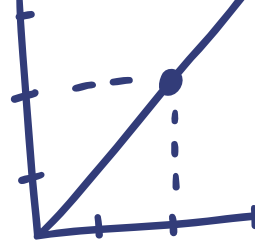
“She found it fun and engaging. Wanted to be able to use the program at home all the time. She truly loved it”

“My child absolutely loved the program and it was because the lack of work she was putting into it in my opinion. She never had any homework so I could not see her progress. My child can be lazy in nature so she would like not having homework. It was very interactive which I do appreciate however math is not just interactive play to learn. I couldn't access the portal to login to her account.”

“My daughter much preferred using the Innovamat platform and she liked the variety it brought to learning math. She liked the app, the hands on aspects, etc. The hard part for me was that nothing was coming home so unless she told me what was being taught, I had no idea what was going on with math. Not sure what resources there would be or if HW would be part of the plan if that is chosen. Young students (or even older ones) can't always articulate what they are learning so having more parent access seems necessary.”



Let me explain...



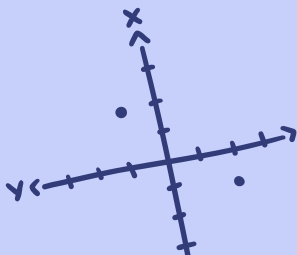
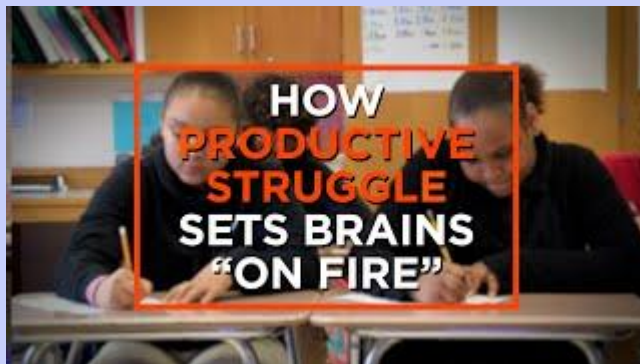


Upper Freehold Regional School District also completed a math review over the past school year. They piloted Innovamat as well and they have announced that they are adopting Innovamat for K-4.

$$\sqrt{\frac{3}{4}} = (a^2)$$

# Feedback from our math consultant...

“I’ve explored the Number Lab Sessions, the Adventures, and the App (essentially, adaptive online software)... and honestly, I wish I had known it existed prior to recently readopting EnVision Math... you will have everything you need to design a successful program around productive struggle.” - Assistant Director of Elementary Education, NJ School District



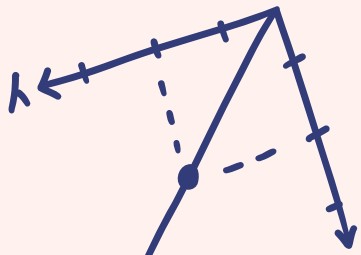


# K-2 will be moving to Innovamat



$$a \times b \times c = (a \times b) \times c$$
$$ab = ba$$

# Grades 3-5



\*The majority of the Elementary School will stay with Go Math for one more year.

\*Grade 3: Mrs. Olah and Mrs. Manaro will be piloting Innovamat for the full year

\*Grade 4: Mrs. Tabernaro and Mrs. Kuntz will be piloting Innovamat for the full year.

\*Special Education: Mrs. Lorton and will be piloting Innovamat all year with Mrs. Kuntz ICR

$$\frac{3}{4} = (a^2)$$

# Thank you!

Drs. Huss, Barry, and Baker are  
all available for individual  
questions

