

# Riverdale Grade School

## K-8 Math Program

Where were we? Where are we? Where are we  
headed?

# Where were we during the 2013-2014 School Year?

- Curriculum
- Intervention and Extension
- Training

# Math Curriculum 2013-2014

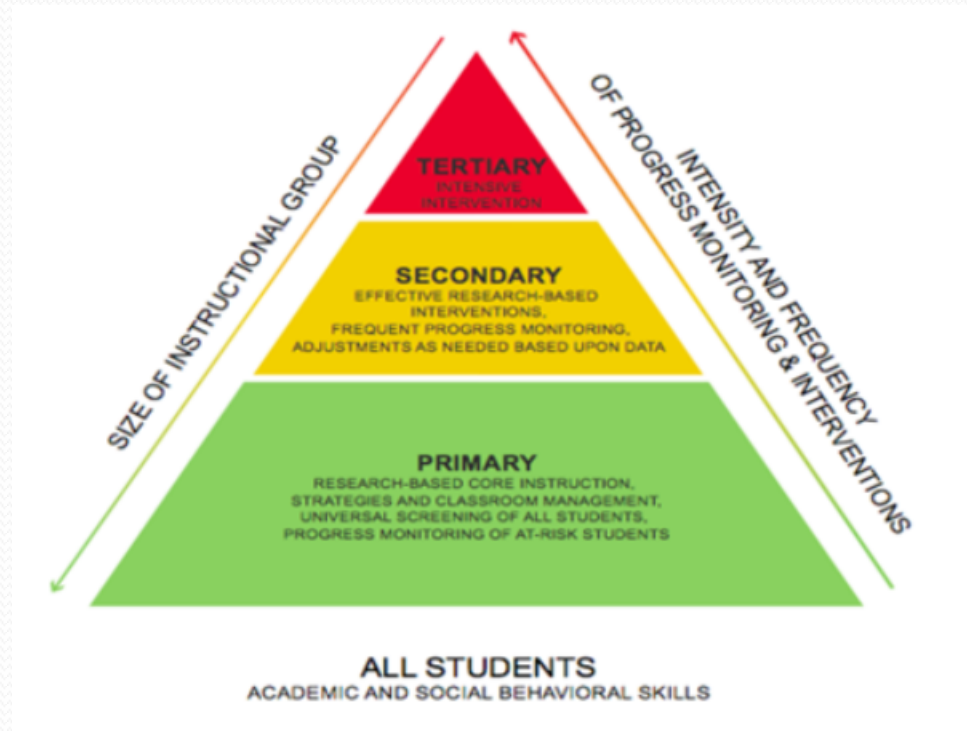
- K-2 Bridges 1<sup>st</sup> Edition
- 3<sup>rd</sup> Grade and 4<sup>th</sup> Grade Saxon Math – began curriculum review and field testing (Investigations, Engage New York and Bridges 2<sup>nd</sup> Edition)
- 6-8<sup>th</sup> Adopted Connected Math 3

# Intervention and Extension

- Added Lauren Merkel .5 mid year for math intervention (with a focus on grades 4-6<sup>th</sup>)
- Nancy Fowler supported math intervention 7-8<sup>th</sup>
- MS master schedule challenges with the need for two 8<sup>th</sup> grade math courses to be offered at one time (Geometry and either Algebra or Math 8)
- Acceleration as an option beginning at 6<sup>th</sup> grade, yet some students had already been accelerated

# Response to Intervention (RTI)

<http://www.rti4success.org/essential-components-rti/multi-level-prevention-system>



# Training

- Fall 2013 3rd-8<sup>th</sup> grade teachers attended a Common Core State Standards training for Math and English Language Arts
- “In-house” trainings led by Nancy Fowler (ongoing)
- Collaboration between Nancy Fowler and Larissa Reece pertaining to Connected Math 3

# Training Continued

## Focus on Mathematical Practices

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantifiably.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

# Where are we?

## 2014-2015

- Curriculum
- Intervention and Extension
- Training



# Curriculum

- K-5 Bridges to Math 2<sup>nd</sup> Edition

<http://www.mathlearningcenter.org/support/bridges>

- 6-8<sup>th</sup> Connected Math 3

<http://mymathuniverse.com/cmp3>

[http://www.mathxlforschool.com/home\\_school.htm](http://www.mathxlforschool.com/home_school.htm)

# Intervention and Extension

## **Vi Tamargo – Math Intervention Specialist**

As a graduate of David Douglas High School, Vi completed her undergraduate studies at the University of Notre Dame with a Bachelor of Arts in History and International Studies. She then went on to pursue a Master's Degree in Data-Driven Teaching from John Hopkins University, which led to teaching 5th and 6th grade Math at the Friendship Academy in Baltimore. As an Instructional Math Coach for the 2013-2014 school year Vi worked with students and teachers in a K-8 setting with a focus on grades 6-8 in Syracuse, NY. Here at Riverdale GS, Vi will be working with students of all ages within a growth model framework. Priority will be for her to work more intensively with students not yet at grade level and improving the capacity for our staff to meet the needs of all learners, including students talented and gifted in the area of math. Vi will also work daily with one of our 8th grade math classes .

# Intervention and Extension

- Grades 4-8<sup>th</sup> receive intervention as needed (red and yellow zone of RTI)
- 5<sup>th</sup> Grade Math Block – provides for three days a week with a double period of math (monitoring and adjusting to best meet yellow zone and red zone math intervention needs)
- 4<sup>th</sup> Grade Extension – as a result of the Saxon Math approach, some students were previously accelerated prior to the 6<sup>th</sup> grade

# Math Intervention Specialist – Vi Tamaro's Schedule

1st Period	2nd Period	3rd Period	4th Period	5th Period	6th Period	7th Period
4th Grade Extention	Math 8	3rd and 4th Intervention	1st/2nd Co-Teach	Intervention (alternating prep as needed)		7th and 8th Support

# Training

- Bridges 2<sup>nd</sup> Edition two day training for all K-8 Math Teachers, Learning Specialists and Math Intervention Specialist
- Ongoing collaboration and collegial training during professional development time

# Assessment

- OAKS 2013-2014

OAKS 2012-2013 Meets and Exceeds		OAKS 2013-2014 Meets and Exceeds	
Grade	%	Grade	%
3	77	3	91.4
4	94	4	90.9
5	73	5	92.9
6	80	6	90
7	86	7	91.3
8	84	8	90.5

- MAP – Administered Fall, Winter and Early Spring
- Smarter Balanced – administered in the last 12 weeks of the school year in grades 3–8 and 11 for English language arts(ELA)/literacy and mathematics

# Where are we headed?

- A year of fully aligned K-8 curriculum
- Best practices in math instruction being implemented
- All students receiving Math instruction at their level
- Interventions in place for students in the “red zone” and “yellow zone” as staffing allows
- Multi-leveled intervention system with progress monitoring