

Summer Learning



April 23, 2018

SUMMER ASSIGNMENTS RESEARCH

According to the National Summer Learning Association (2017):



These reading and math losses add up. By fifth grade, summer learning loss can leave students without adequate access to learning experiences 2.5 to 3 years behind peers.



Research shows that while gaps in student achievement remain relatively consistent during the school year, the gaps widen significantly during the summer without access.

SUMMER ASSIGNMENTS RESEARCH

HAVE YOU HEARD OF THE SUMMER SLIDE?

ONLY 48%
OF PARENTS HAVE HEARD ABOUT THE
SUMMER SLIDE

Among the lowest-income families

38%

Among the highest-income families

59%



Summer slide is the loss of skills during the time when students are not in school



SUMMER READING IS IMPORTANT AND FUN

Reading books during the summer helps kids during the school year!

80%
OF KIDS AGES 6-17
AGREE

96%
OF PARENTS
AGREE



TOP REASONS AMONG PARENTS:

It keeps my child's brain active!

Learning

requires constant practice

SUMMER ASSIGNMENTS

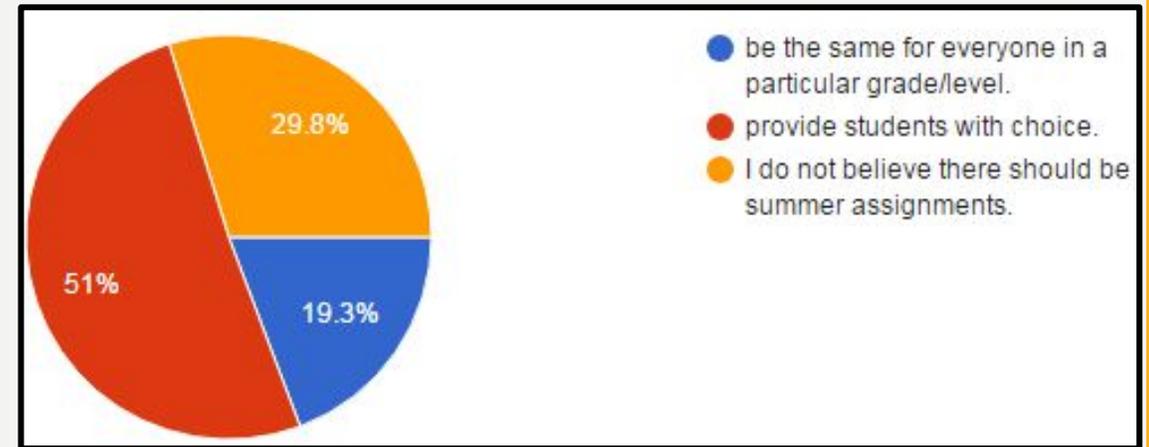
Roxbury's students have always been encouraged to maintain their studies when school is out of session. A recent analysis of our students' literacy levels has shown that students who do complete summer assignments begin the school year stronger than their peers who do not. It would serve to reason that this correlation is no different in mathematics, science, and social studies.

The survey represented an effort to understand and unify our district's beliefs regarding summer assignments in both mathematics and language arts for all students K - 12 (excluding honors and AP levels), to better prepare all of our students to be successful in their academic endeavors, and to embrace a constant love of learning.



SUMMER ASSIGNMENTS SURVEY (16-17)

- Over 850 respondents (just about 80% parents and 20% teachers)
- What do you feel are the primary benefits of summer assignments?
 - 63%: Maintain content skills
 - 47%: Maintain/encourage love of learning
 - 29%: Jump start the next year's curriculum
 - 27%: Improve content skills
 - 24%: Do not feel there is a benefit
 - 23%: Inform teacher about starting points
 - 22%: Develop higher order thinking skills
- Summer assignments should...
 - 51%: provide students with choice
 - 30%: I do not believe there should be summer assignments
 - 19%: Be the same for everyone in a particular grade/level



SUMMER ASSIGNMENTS SURVEY (16-17)

Comments from our survey:

- Summer assignment should not be overwhelming.
- Students could use online tools to complete short tasks...to stay in an academic mindset.
- Reading should present choices at all levels and ages in both fiction and non-fiction.
- Elementary Mathematics should focus on facts and skills.
- Parents can supplement on their own, but the school should provide some structure.
- A break is important for students and families.
- In order to prevent the “summer slide” all students should have a summer work expectation.
- Without something specific there is a potential for significant regression of skills.
- The assignment should be meaningful and not just end with a test or handing in the assignment.
- Those who complete the assignment should get some sort of “credit”.
- The school year should start with a connection to the summer assignment (why was it meaningful), and connect to the class. It should not be a means to starting the school year with an “F”.

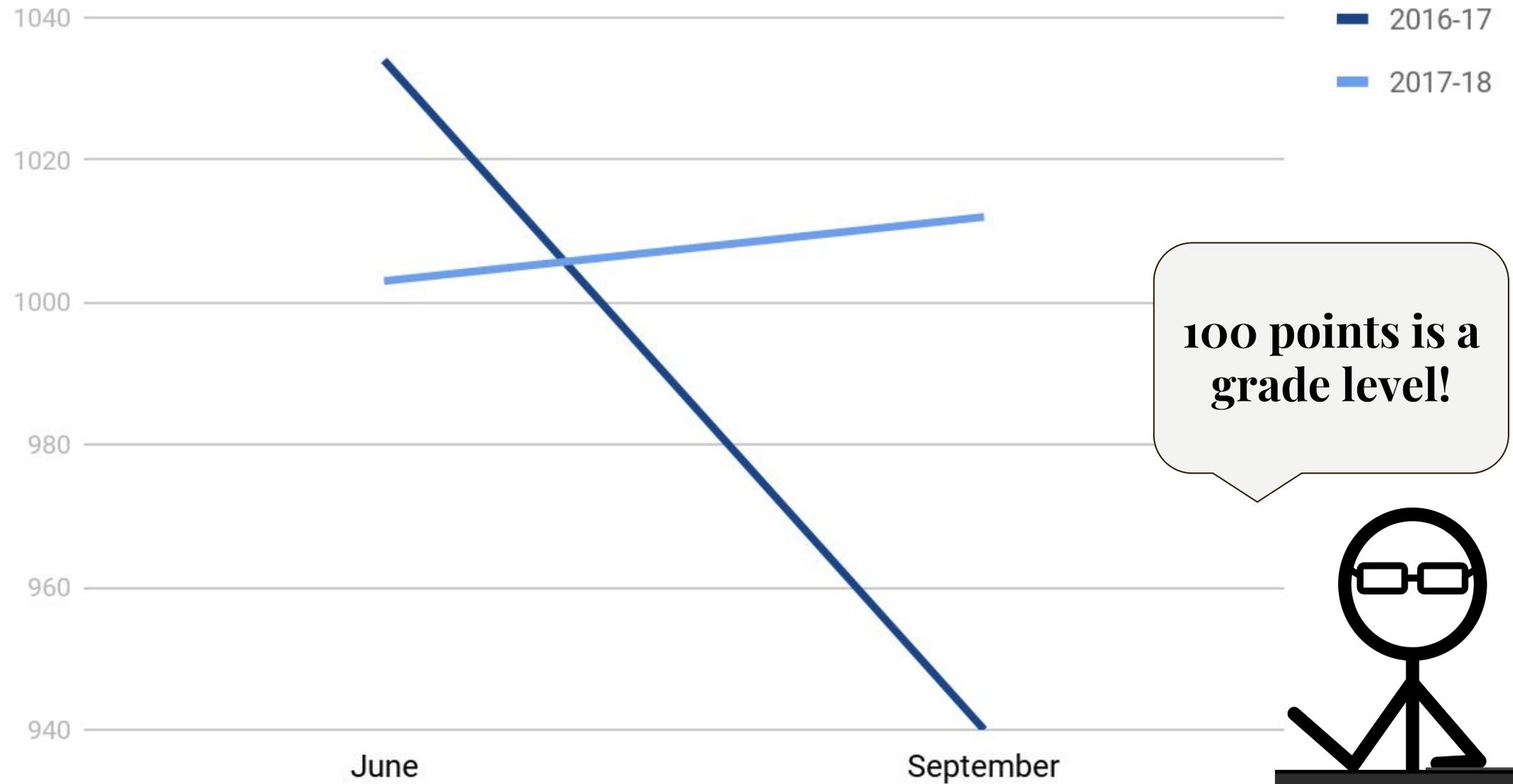
Summer '17 Pilot Data

Here is what we found out after piloting with our RHS students...

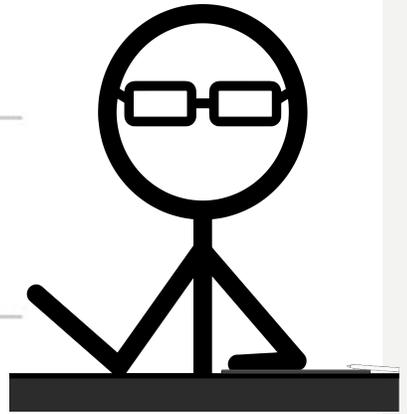
[Summer Reading Evaluation Presentation](#)



Summer Reading vs. No Summer Reading



100 points is a grade level!



Elementary Summer Learning Philosophy

- Roxbury acknowledges the need for young children to play over the summer and be kids; however, we also understand the importance of ensuring that students maintain their reading level and math skills for the next school year. That is why at the elementary level, students and families are being asked to engage in fun, family friendly activities of their choice in math, reading, and writing.
- Roxbury's elementary summer learning promotes student choice, learning through play, and the love of reading and math through family engagement.
- Roxbury's goal for our elementary students is to average about 20 minutes total per day engaging in fun reading, writing, and math activities.

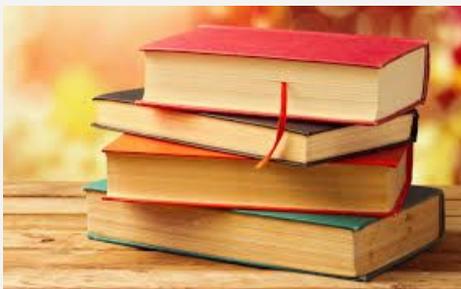
SUMMER ASSIGNMENTS PLAN



The plan based on the survey and research is to begin a district-wide program for the summer of 2018...

K – 5 ELA fiction and non-fiction, choice reading with a focus on sustaining literacy skills and fostering a love of reading.

- Students exiting Kindergarten - 3rd Grade will be asked to keep a summer journal and time log of reading and writing activities that they choose to engage in throughout the summer. This log and journal will be submitted to their new teacher and raffle tickets will be earned for every 30 minutes. Raffle tickets can then be entered for a chance to win items that promote literacy, like journals, books, fun pens, and book lights. Every student that reaches 6 hours will also receive a certificate. A list of suggested activities, games, and books will be provided for each grade.



- Exiting 4th graders will be required to keep and submit a journal and time log as well. However, as incoming 5th grade students they will earn a homework grade for the completion of the required 6 hours and they will be required to complete additional activities related to their book in September.

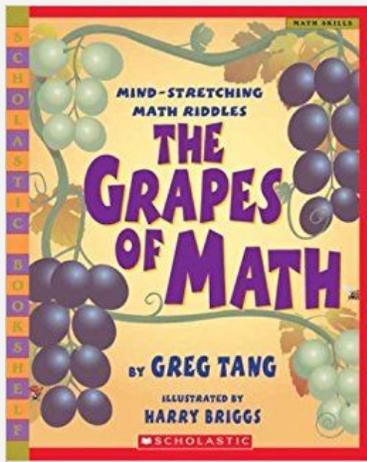
SUMMER ASSIGNMENTS PLAN

The plan based on the survey and research is to begin a district-wide program for the summer of 2018..



K – 4 Mathematics focus on fact fluency, number sense and cardinality

- Students exiting Kindergarten - 3rd Grade will be asked to keep a summer journal and time log of various math fluency activities, games, and math picture books that they choose to engage in throughout the summer. This log and journal will be submitted to their new teacher and raffle tickets will be earned for every 30 minutes. Raffle tickets can then be entered for a chance to win fun math game items to take home. Every student that reaches 6 hours will receive a certificate of accomplishment. A list of suggested activities, games, and books will be provided for each grade.
- Exiting 4th graders will be required to keep and submit a journal and time log as well. However, as incoming 5th grade students they will earn a homework grade for the completion of the required 6 hours. Students have the opportunity to start the school year with additional homework credits if they choose to log in extra hours.



SUMMER ASSIGNMENTS PLAN



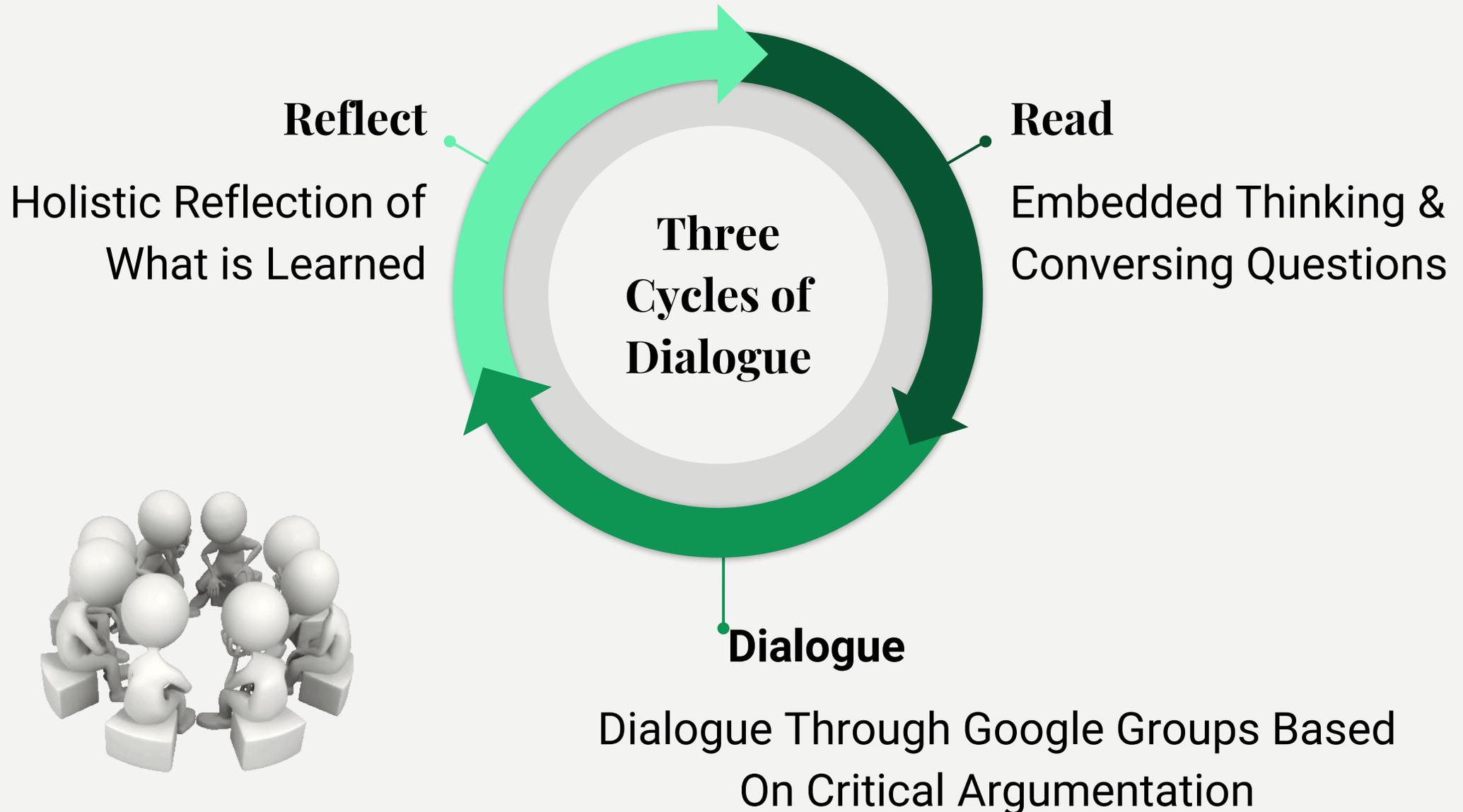
The plan based on the survey and research is to begin a district-wide program for the summer of 2018..

5– 6 Mathematics focus on course preparation and minimizing skill regression

- Exiting 5th grade students will be provided with a calendar of activities that focus on the major content from 5th grade. They will have the opportunity to choose which daily activities to engage in. The minimum monthly requirement is 16-20 activities each month. This will provide students with the opportunity to start the year off with a 100% homework average. If students choose to do additional activities, they can earn additional homework credits using a tiered grading system. **All students are required to complete Tier 1.**

Tier	Required Activities	Grade if Completed	Grade if Not Completed
1	16 - 20 in July 16 - 20 in August	100% HW Grade	0% HW Grade
2	21 -25 in July 21 - 25 in August	Additional 100% HW Grade	Exempt
3	26 - 30 in July 26 - 30 in August	Additional 100% HW Grade	Exempt

The 6-12th Grade Experience



The Summer Reading Experience 2018

Promotes

1. Student Choice
2. Engagement
3. Communication
4. Critical Thinking
5. Questioning
6. Creativity
7. Interdisciplinary Dialogue
8. Contributes to the Growing Culture of Literacy



Bridges the gaps in a student's academic and intellectual growth.

SUMMER ASSIGNMENTS PLAN

The plan based on the survey and research is to begin a district-wide program for the summer of 2018..

7 – 12 Mathematics focus on course preparation and minimizing skill regression

- In a game like format students in grades 6, 7 and 8 will choose from three tiers of problems designed to maintain their skills on concepts that are prerequisites for their next grade level.
- Students will enter Math Rox Summer Slam through Google Classroom then choose a problem level (easy, medium, challenge) in a grade level focus area.
- Students will be given 4 problems and must get at least 3 out of 4 correct to earn a badge.
- If students get less than 3 correct they will be directed to a link (IXL, Khan Academy, videos) for a review before trying again.
- Badges will be redeemed for homework points.

Can you master the summer math challenge?????



Math Rox Summer Math Slam

Students will track their progress accumulating badges for homework points.

You are Level 2 with 1 badge!										
Check off with an X	Difficulty Level	★	XP	Challenge Number	Title	Description	Badge	Link		
X	0		10	1	Google Classroom	Join Intro to Alegbra Summer Slam Class in Google Classroom				
	1	★	7	2	Expanded Form-Easy	Get at least 3 out of 4 problems correct.		Review of Expanded Form		
	2	★★	10	3	Expanded Form-Medium					
	3	★★★	15	4	Expanded Form-Challenge					

COMMENTS & QUESTIONS

Curriculum and Instruction Team:

Kelly Curtiss, Supervisor of Applied Science PreK-5

Jane Feret, Supervisor of Mathematics 6- 12

Jessica Fessock, Supervisor of Humanities PreK-5

Denise Glenn, Supervisor of Science 6-12

Eric Schmidt, Supervisor of English 6-12

Charles Seipp, Ed. D., Assistant Superintendent

Christopher Zegar, Supervisor of Social Studies 6-12

