



Columbus Regional Math Collaborative July 23, 2021

Notes to Nerds

[Workshops](#)

[Announcements](#)

[Director's Notes](#)

[Resource Teacher's Notes](#)



Elementary
 Middle School
 High School

<input type="checkbox"/> K – 5th Elementary School: Creating Mathematical Thinkers (Virtual Workshop) - LibCal - Columbus State University Tuesday, August 17, 2021 3:45pm – 4:30pm	<input type="checkbox"/> Middle School Workshop: An Integer Operations Refresher: Seventh Grade Unit 1 (Virtual Workshop) - LibCal - Columbus State University Tuesday, August 24, 2021 4:30pm – 5:15pm	<input type="checkbox"/> K – 5th Elementary School: Creating Mathematical Thinkers (Virtual Workshop) - LibCal - Columbus State University Tuesday, August 31, 2021 3:45pm – 4:30pm
<input type="checkbox"/> Algebra – Before and Beyond (Virtual Workshop) - LibCal - Columbus State University Tuesday, August 19, 2021 4:15pm – 5:00pm	<input type="checkbox"/> Middle School Workshop: A Geometry Refresher: Eighth Grade Unit 1 (Virtual Workshop) - LibCal - Columbus State University Thursday, August 26, 2021 4:30pm – 5:15pm	

Announcements



● **The Best Resource Teachers!:** Laura Stokes and Hope Phillips are presenting at the NCTM in September!

● **Artsy Mathy** - We will be collaborating with the [Columbus Art Museum](#) to create lessons that support Math and Art Standards.



● **Building Thinking Classrooms** book study will start soon. **Interested?** Contact [Peter Anderson](#)



● **Parents' Resource Page** has some pretty cool MATH stuff! Check it out! ([Link to cool Parent stuff](#)) **TEACHERS** might like it **TWO... too!**

● **In case you missed it:** We have over a dozen events planned through the end of September! ([Link Here](#))

● **STEAMX** (Soap Box Derby) team invited me over to apply some math to the racing projects they have going on. What a wonderful program they are building.



● We have a **poem tree** outside my office! - 4th and 5th graders for Blanchard Elementary, The Botanical Gardens of Columbus, and CSU students from the EDCI 6481 Clinical Experience 1; created a poem tree at their summer camp.

● **Opportunity** to try something new - Teachers (7-12) - GenCyber Teachers Workshop for teaching Cyber Security. **July 26-30!** Contact Dr. Yesem Peker - peker_yesem@columbusstate.edu.



Director's Notes



Thoughts on sunflowers and the school year.

I truly enjoy the drive through the countryside on my way to work each morning.

This morning, the air is heavy with the smell of wet earth. The sunlight fingers poke long warm beams through the treelines, awakening the deep greens in the hillsides. The world is covered in a shiny drippy wet from heavy rains the night before.

Coffee in one hand and steering wheel in the other, I look forward to seeing a field of sunflowers as their sleepy heads turn to the sunlight beckoning. Most mornings, they sleepily tip their yellow faces eastward, greeting the sun and me as I travel down the blacktop road that slices these rich green fields.

They sleep late this morning. Only a very few of the oversized yellow flowers have their heads up for our usual, *good morning* greeting. The rest, their big old sleepy heads tucked down toward their rain-soaked leaves in seeming slumber.

Riding along the winding road as it feeds the highway and eventually the city, a thought strikes me. Many analogies, about this year, can be drawn from this soggy field of big-headed sunflowers. I can imagine this past year as the storm in the darkness knocking the flowers down. Or the few flowers with their heads up are the bright spots that kept their cameras on during class. Or I can hear the refrain from the musical, *Annie*, a smallish red-haired girl with an outsized voice singing - *the sun will come out tomorrow*. Nature is rich indeed with potential for analogies!

But I'm not going down that road.

The most powerful narrative, for any educator, is the one that **they** assign to this little droopy-headed field of sunflowers.

As a teacher, you have the power to shape your own story. An educator can plow the ground for students to grow their flowered field of dreams.

What story will your flower field yield?

I am looking forward to hearing about it and wishing for you - sunshine and the kindest rains this coming school year.

Be in touch.

Pete

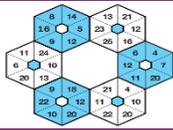
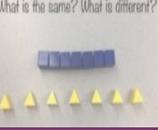
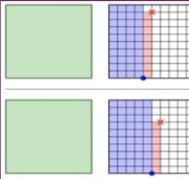
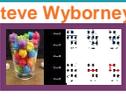
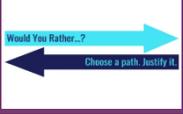
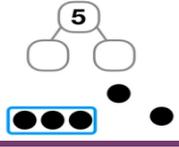
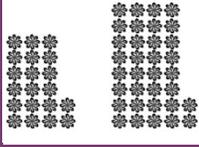
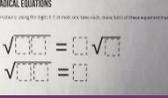
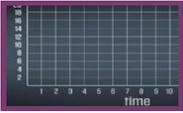
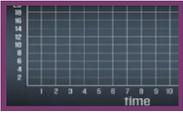
Resource Teacher's Notes

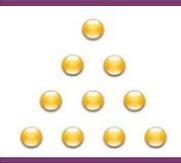
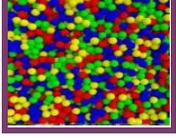
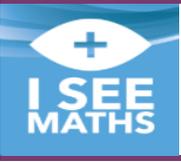
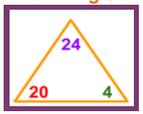
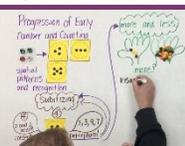
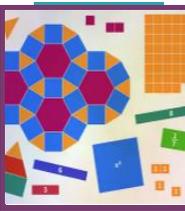
There is a special resource surprise on the next two pages!

This Task Resource Page has tools that any teacher - Kindergarten through 12th grade – will find useful!



MATH TASKS/RESOURCES

<p>YOU CUBED Tasks WIM Algebra Jo Boaler</p>  <p>(K-12)</p>	<p>GREG TANG MATH Resources Games Greg Tang</p> 	<p>WHICH ONE DOESN'T BELONG Mary Bourassa Math Imposters Steve Wyborney</p> 	<p>NUMBERLESS WORD PROBLEMS Brian Bushart</p>  <p>(K-6)</p>	<p>SAME OR DIFFERENT Brian Bushart</p> 	<p>ESTIMATION 180 Andrew Stadel</p> 	<p>ILLUSTRATIVE MATH Talking Math (K-5) Talking Math (6-8)</p> 	<p>DESMOS (K-5) Resources (K-12) Activities</p> 	<p>GEOGEBRA (K-5) Resources</p> 
<p>SARA VAN DER WERF Posts/Resources Secondary # Talks</p> 	<p>ESTI-MYSTERIES Steve Wyborney SUBITIZING Steve Wyborney</p> 	<p>SPLAT FRACTION SPLAT Steve Wyborney</p> <p>CUBE CONVERSATIONS Steve Wyborney</p> 	<p>MATH IS FIGUREOUTABLE Pam Harris</p> 	<p>WOULD YOU RATHER? John Stevens</p>  <p>(K-12)</p>	<p>MATH VISUALS MATH FLIPS Berkeley Everett</p> 	<p>VISUAL PATTERNS Fawn Nguyen</p> 	<p>CHEWABLE MATH Fawn Nguyen</p> 	<p>BETWEEN TWO NUMBERS Fawn Nguyen</p> 
<p>OPEN MIDDLE template Robert Kaplinsky</p>  <p>(K-12)</p>	<p>LESSONS & Problem Based Robert Kaplinsky</p>  <p>(K-8th, Alg 1, Geo, Alg 2)</p>	<p>3-ACT TASKS 3 act task script: Meyer Graham Fletcher (K-6) Kristen Acosta (K-6) Kendra Lomax (K-2) Catherine Castillo (K-5) i see maths (1-6) When Math Happens</p>	<p>3-ACT TASKS Dan Meyer (6+) Andrew Stadel (Geo/Alg) Kyle Pierce Dan Meyer Mike Wiernicki Andrew Gael Chad Williams</p> 	<p>GRAPHING STORIES Dan Meyer Buzz Math</p> 	<p>NUMBER TALK IMAGES Pierre Tranche Kristen Acosta</p> 	<p>FRACTION TALKS Nat Banting</p> 	<p>CLOTHESLINE MATH Chris Shore Kristen Acosta</p>  <p>(K-6)</p>	<p>math for love Dan Finkel & Katherine Cook</p>  <p>(PRE K-10)</p>

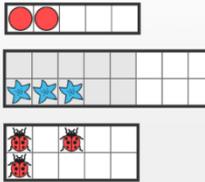
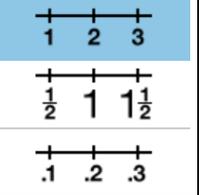
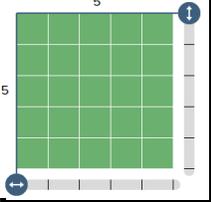
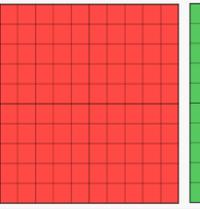
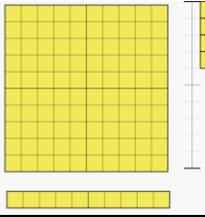
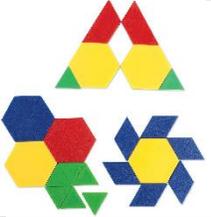
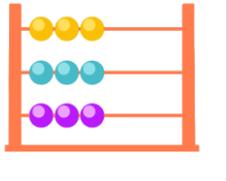
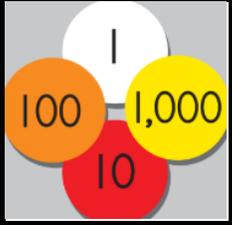
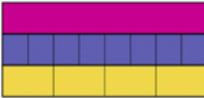
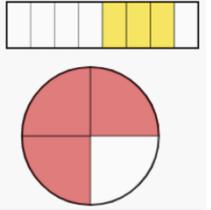
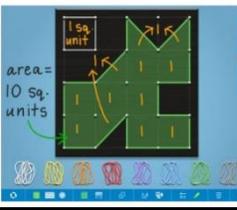
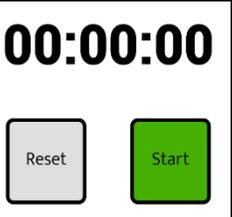
<p>FIGURE THIS NCTM</p> 	<p>ILLUMINATION S NCTM</p> 	<p>LOVE MATHS Michael Minas</p> 	<p>THINK NOTICE & WONDER Mashup Math</p> 	<p>SAME BUT DIFFERENT Looney Math</p> 	<p>HOW WE TEACH Michelle Rinehart</p> <p>HOW WE teach</p> <p>(5-12)</p>	<p>TEXAS GATEWAY TEA</p> 	<p>RESOLVE Maths by Inquiry</p> <p>Re-igniting engagement</p> 	<p>POLYUP Poly Machines</p>  <p>(1-12)</p>
<p>CEMC Univ of Waterloo</p>  <p>NRICH Univ. of Cambridge</p> 	<p>I SEE MATHS Gareth Metcalf Cons.</p> 	<p>MATH 5280 Jerry Burkhart</p> 	<p>ACTIVITIES OF THE DAY Math Learning Center</p>  <p>(K-12)</p>	<p>SOLVE ME PUZZLES EDC</p> 	<p>DAILY SET GAME Play Monster</p>  <p>SKIP COUNTING FADE-INS Kris Serven</p> 	<p>PROGRESSION VIDEOS Graham Fletcher</p> 	<p>MATHIGON</p> 	<p>MATH ASSESS PROJECT MARS</p>  <p>(K-12)</p>

@beatris_mata (Ector County ISD)

*A COLLABORATIVE COMPILATION OF RESOURCES

VIRTUAL MATH MANIPULATIVES

*Click on the Visual Icon to Explore!!

<p>UNIFIX CUBES</p> 	<p>NUMBER FRAMES</p> 	<p>NUMBER LINES</p> 	<p>PARTIAL PRODUCT</p> 	<p>CUISINAIRE RODS</p> 	<p>100 BOARD 120 BOARD</p> 
<p>BASE 10</p> 	<p>NUMBER PIECES</p> 	<p>COLOR TILES</p> 	<p>PATTERN SHAPES</p> 	<p>REKENREKS</p> 	<p>PLACE VALUE DISKS</p> 
<p>COUNTERS</p> 	<p>COUNTERS</p> 	<p>FRACTION BARS</p> 	<p>FRACTIONS</p> 	<p>GEOBOARD</p> 	<p>MONEY</p> 
<p>SPINNER</p> 	<p>DICE</p> 	<p>DICE</p> 	<p>CLASS TIMER</p> 	<p>CLOCK (TIME)</p> 	<p>STOPWATCH</p> 

FREE MANIPULATIVE PD OPPORTUNITIES: [MATH VISUALS](#) [DIDAX](#)
 FREE MANIPULATIVE RESOURCES: [The MATH LEARNING CENTER](#) [NATIONAL LIBRARY OF VIRTUAL MANIPULATIVES](#) [TOY THEATER](#)

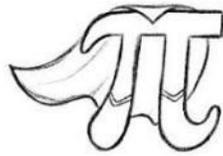
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*A COLLABORATIVE COMPILATION OF RESOURCES

Link to live Math Tasks/Resources/Manipulatives

https://docs.google.com/document/d/1vk4UNSkYUXtcL7znqpxRQD_9h7Fa9cV8wPuWOmDtHol/edit

CLICK HERE TO
READ MORE ON OUR WEBSITE



Columbus Regional Math Collaborative

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