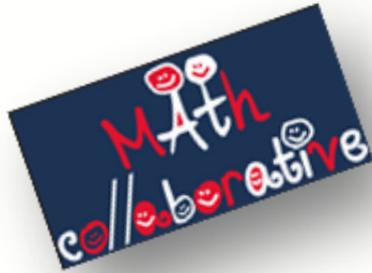


NOTES TO NERDS



Columbus Regional Math Collaborative

April 13, 2022

Workshops
Spring Fling

Upcoming Events
Director's Notes
Resource Teachers

Face-to-Face workshops are available to Chattahoochee County Schools, Muscogee County Schools, Russell County Schools, and St. Anne Pacelli at no cost to the teachers!

After the workshop, you will receive an evaluation. Upon completion, you will receive a certificate of attendance.

Take a look at the next page for our upcoming workshops!

The USG continues to work closely with the Georgia Department of Public Health to prioritize the wellness and safety of CSU and all of its campus communities.

Data Source: <http://www.columbusstate.edu/covid/>



UPCOMING WORKSHOP

ELEMENTARY - GRADES K-2

April 19, 2022, Tuesday

8:30am - 3:30pm

RiverPark Campus,

Frank Brown Hall, Room 1010



More of - With a Little You Can Change a Lot!

The Math Collaborative is back to face to face workshops. Whether you have come to a workshop before or this would be your first time, and you are a kindergarten to 2nd grade teacher, please join us for "More of - With a Little You Can Change A Lot."

What practices can a teacher leverage to get the greatest thinking from our students? How can we best create learners of mathematics not just doers of mathematics.

We at the Math Collaborative believe good things come in small packages. So, join us to learn about changes that can greatly impact students' reasoning, discourse, review of skills, and interest.

[Register Here: More of - With a little, you can change a lot \(Grades K-2\) - LibCal - Columbus State University](#)



SPRING FLING!



Math Collaborative Spring Fling!

An event for teachers K-12

May 10th - 5:30 to 7:30

Mathematics Collaborative at Frank Brown Hall.

see link below:

<https://columbusstate.libcal.com/event/9092646>

We are excited to announce the return of the Mathematics Collaborative Spring Fling!

We have missed you!

Spring Fling is an opportunity to:

1) Collect new ideas, 2) Share your thoughts and 3) Reconnect with other teachers in our area!

The excitement begins at 5:30pm with tabletop shares!

We invite you to walk through the halls of the Mathematics Collaborative and visit colleagues who have displays and tables set up to share ideas that work in their classrooms.

At 6:30, we will collect for a community event involving a mathematics activity to which we can all relate.

Finally, our evening will close with fellowship

(light food and cake)

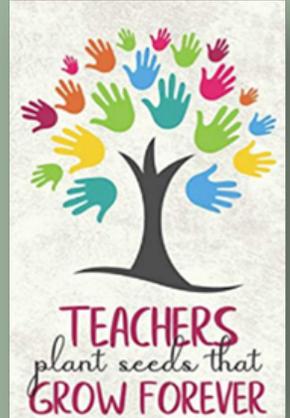
in the courtyard



WHAT'S NEW & UPCOMING EVENTS

Change and growth are synonymous ...

with excitement and much-deserved appreciation, we announce that **Laura Stokes**, our Elementary Resource Teacher, and **Nancy Mims**, our High School Resource Teacher, are retiring. They both are fixtures and stalwart in promoting and sharing good mathematics.



We will recognize them and their contributions to the mathematics community at the:

Math Collaborative Spring Fling, May 10th 5:30pm - 7:30pm
Frank Brown Hall

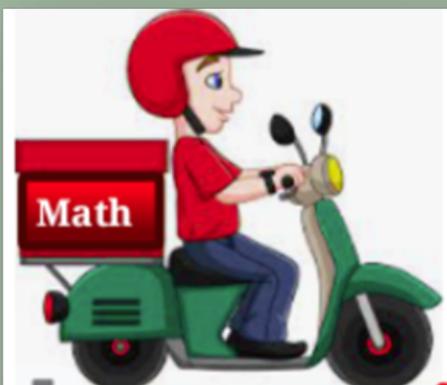


Did you Say Delivery! -

With spring break behind us and the testing season ahead the Mathematic Collaborative is redoubling its efforts to support schools as the school year rolls forward.

We are available to bring “mini”-professional development directly to your school. Our efforts are designed for teachers - to leverage the tools they have and reduce stress.

If your Middle School or High School is interested contact us here: anderson_peter2@columbusstate.edu or phillips_hope@columbusstate.edu



Director's Notes

Of Texts, tweets, and muddy knees

"Hi, there! I was wondering if you were Mr. Anderson, that taught math at Troup High back in the late 90s?" - was the opening salvo of a series of text messages I received almost a year ago.

"If you are, I am not sure you remember teaching me, but I wanted to reach out and thank you for all you did in those applied math classes to help me better understand mathematics."

At this point, I am a little taken back. I was catastrophizing. It is not what I expected.

He continued:

"Back then, I would never imagine I myself would be a math teacher, but here I am. I teach high school math. I thought about you today while giving a quiz to my students. I set up the class like you used to do during our quizzes and tests."

It hit my heart. While I was proud and happy to receive the texts, I am more than humbled and hopeful that my impact over three decades was similarly positive for other students.

I share this with you today because I see, hear, and even experience how weary teachers are as we move into the last of the school year.

I read a Tweet this morning that summarizes the mood of many teachers:



While I do not disagree with the Tweet, it can be easy to get caught in a downward feedback loop. Almost 3500 likes in less than a day; the sentiment is strong!

Wouldn't it be something if you could get 3500 likes in 20 hours for the hard work you do every day! Unfortunately, a flower doesn't blossom in a day, and often teachers are stuck with the muddy knees part of planting the seed.

It took almost 20 years for a former student to reach out and say you made a difference.

YOU make a difference! Do all you can to NOT let all the other muck steal your joy, your passion, - your calling!

This note is a short one this week.

Keep an eye out. Look out for one another.

The CRMC will have a summer session designed to help restore your joy, rekindle your teacher why - And of course! - We will do some really cool maths!

Contact me. I am pulling for you every day!

Pete

If you print this page on a different color piece of paper, it may be easier to see the pieces as you place them on the puzzle.



Factors and Multiples Puzzle

Number cards

1	2	3	4	5
<u>6</u>	7	<u>9</u>	10	11
12	15	16	18	20
21	23	24	25	30
35	36	45	55	60

Heading cards

PRIME NUMBERS	TRIANGULAR NUMBERS
SQUARE NUMBERS	FACTORS OF 60
NUMBERS LESS THAN 20	MULTIPLES OF 3
NUMBERS MORE THAN 20	MULTIPLES OF 5
ODD NUMBERS	EVEN NUMBERS

Factors and Multiples Puzzle

PUZZLE SOLUTION

Here is the solution for Factors and Multiples Puzzle from Nrich.

Here are some of the answers that were submitted and the students' thinking.

A common strategy that students used was:

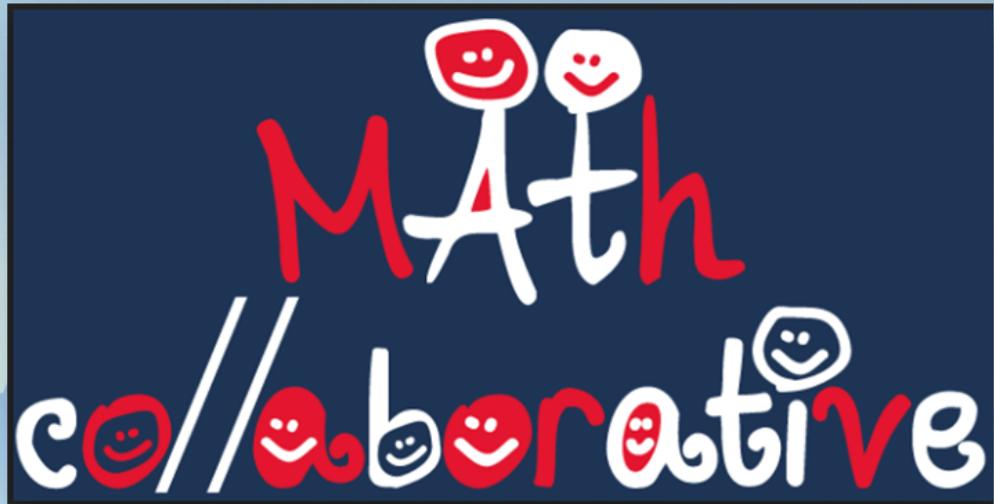
Initially we looked at the headings and found those that could not have any overlap, e.g. Odd and evens, primes and square numbers, numbers under and over 20.

We placed those headings first and then put the others in place.

Numbers less than 20	5	18	15	11	1
Numbers more than 20	30	36	45	23	25
Odd numbers	35	21	55	7	9
Even numbers	20	24	10	2	16
Factors of 60	60	12	6	3	4
	Multiples of 5	Multiples of 3	Triangular numbers	Prime numbers	Square numbers

Numbers less than 20	16	1	18	15	7
Numbers more than 20	25	30	60	35	23
Odd numbers	9	5	45	55	11
Even numbers	4	12	24	20	2
Triangular numbers	36	6	21	10	3
	Square numbers	Factors of 60	Multiples of 3	Multiples of 5	Prime numbers

ODD NUMBERS	11	21	55	15	35
EVEN NUMBERS	18	30	10	12	20
PRIME NUMBERS	7	23	3	2	5
SQUARE NUMBERS	16	36	1	4	25
MULTIPLES OF 3	9	24	6	60	45
	NUMBERS LESS THAN 20	NUMBER MORE THAN 20	TRIANGULAR NUMBERS	FACTORS OF 60	MULTIPLES OF 5



Click here to read more about our website
[Columbus Regional Mathematics Collaborative -](#)
[Columbus State University.](#)

click the icons below to follow us on
social media!



Columbus Regional Math Collaborative
Frank Brown Hall
1127 Broadway
Columbus, GA 31901

Mailing Address:
4225 University Ave
Columbus, GA 31907