

Notes 2 Nerds

October 24, 2022



Teacher Development and
Consulting

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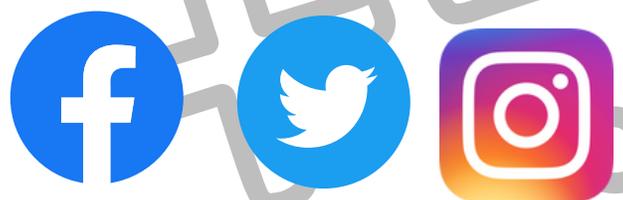
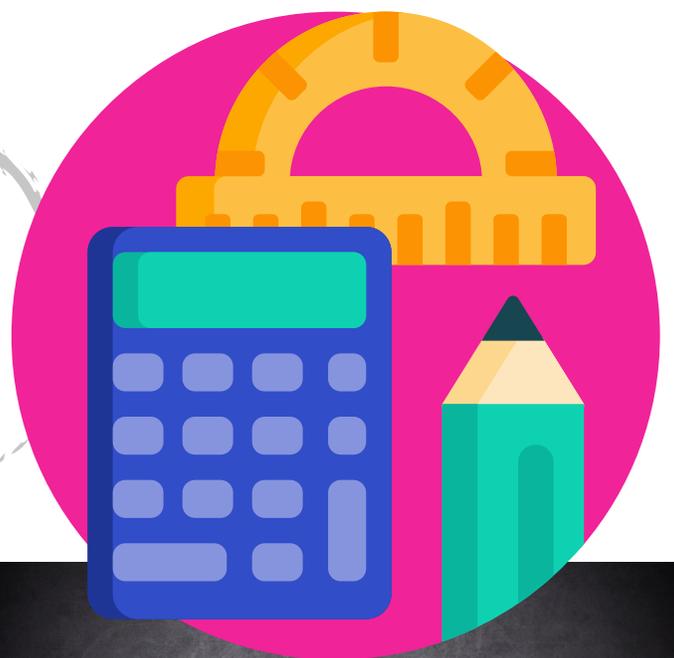
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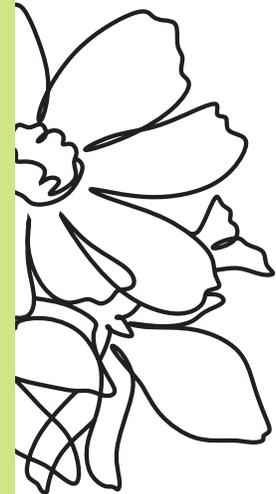
Save-the-Date

- March 11, 2023: Math Masters



Director's Notes

What Do You Notice?



This is the spot I found myself in at the end of the Georgia Math Conference at the Rock Eagle 4-H Center in Eatonton, Georgia. Quiet? Yes. No internet connection? Yes. Head full of ideas? Yes. Rekindled acquaintances? Yes. New friends? I hope. Tired? For sure.

I enjoy coming to this place. It is beautiful. What makes this conference unique is the people - their energy, ideas, and idealism. It is the hope and belief that we can make things better for our students, our fellow teachers, and our communities.

What do I notice?

In this quiet moment, a resolve is growing inside me to share ideas and put hope into action so our bit of the world can be a little better.

I am hoping you can find the peace that renews you in your teaching journey. Always know this - if you need support - the Mathematics Collaborative is here.

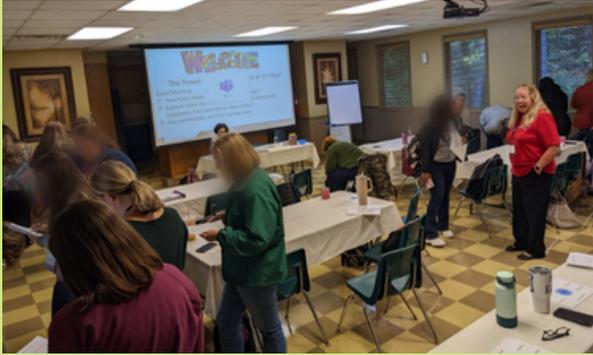
Happy Maths,

Pete

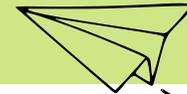
Pete

P.S. I have to brag on my peers...here are a few pictures of the CRMC team in action at the Georgia Math Conference...

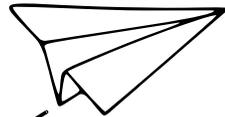
Director's Notes



Laura Stokes gave a standing-room-only presentation on *The Power of 1/6 of an Hour* - Ideas on how to leverage the first 10 minutes of class into a productive learning experience for your students.



Hope Phillips had a very full session as well. She was presenting on *The Power of Ten Minutes for Middle School*. She amazed us with asking the question, "What do you notice?" and how it can lead to powerful opportunities for growth!



I presented too - credit to my audience. It went amazingly well. The teachers pitched in to hang wipe boards (with no tape) and corrected my spreadsheet view so everyone in the audience could see it. It takes a village!

If you would like copies of the presentations, contact me at anderson_peter2@columbusstate.edu



REGISTER TODAY!

ALGEBRA – OWW!

(ONLY WHAT WORKS)



Who: High School Teachers

When: Wednesday, November 1, 2022
8:00 AM to 3:00 PM, EST

Why: This year's focus is Algebra 1. We will not promise the moon, but we will provide proven strategies to engage your students and ignite your curiosity as a mathematician and teacher. Our topics will include:

- Activities to engage students and improve student dialogue;
- Just-in-time delivery of Algebra topics;
- Content development - allowing you to delve into dusty, old math topics with fresh eyes and new appreciation.

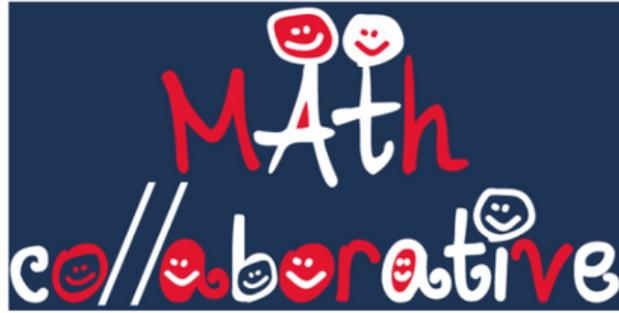
Do not worry if you are not teaching Algebra currently; this workshop will engage teachers of all classes.

[Click here to register](#) or scan below:



**Scan
me!** 

Free Admission for:
Muscogee County
Harris County
Russell County
Delta Kappa Gamma
Members
St. Anne Pacelli



EMBRACING CHANGE IN SMALL STEPS TO MAKE A BIG DIFFERENCE (WITHOUT SPENDING HOURS IN PREPARATION)

Who: Middle School Math Teachers

When: Wednesday, November 2, 2022
8:30 AM to 3:00 PM, EST

Where: Frank Brown Hall, CSU Mathematics Collaborative,
Classroom 1010

Why: Join us for the second in a year-long series of workshops! Hope Phillips will help you leverage the power of small content additions. We will share concepts and ideas that will:

Free Admission for:

Muscogee County
Harris County
Russell County
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St. Anne Pacelli

Increase student engagement
Fill in knowledge gaps
Promote reasoning instead of memorization
Encourage math discourse
Build on prior student learning

Don't worry if you didn't attend the first workshop. We look forward to seeing you at this one! ALL teachers of math-related subjects would benefit from this professional development. Register today by scanning the QR code or by visiting the following registration website:



<https://columbusstate.libcal.com/event/9763853>





HABITS TO IGNITE MATHEMATICAL THINKING

Who: Grades K-2

When: Tuesday, November 8, 2022
8:30 AM to 3:00 PM, EST

Where: Frank Brown Hall, CSU Mathematics Collaborative,
Classroom 1010

Why: Many students know how to 'do the math' but do not know how to 'think through the math.' Ms. Carlie Oelke will help address this by looking at nine habits we want our students to use with their mathematical thinking. Among those habits students can establish are:

Monitoring their understanding

Developing schema

Predicting, inferring, and recognizing patterns

Responding to higher-order thinking questions

Using precise language when describing their mathematical thinking

We look forward to seeing you! ALL teachers of math-related subjects would benefit from this professional development. Register today by scanning the QR code or by visiting the following registration website:



<https://columbusstate.libcal.com/event/9778308>

Free Admission for:
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HABITS TO IGNITE MATHEMATICAL THINKING

Who: Grades 3-5

When: Tuesday, November 15, 2022
8:30 AM to 3:00 PM, EST

Where: Frank Brown Hall, CSU Mathematics Collaborative,
Classroom 1010

Why: Many students know how to 'do the math' but do not know how to 'think through the math.' Ms. Karen Hensen will help address this by looking at nine habits we want our students to use with their mathematical thinking. Among those habits students can establish are:

- Monitoring their understanding**
- Developing schema**
- Predicting, inferring, and recognizing patterns**
- Responding to higher-order thinking questions**
- Using precise language when describing their mathematical thinking**

We look forward to seeing you! ALL teachers of math-related subjects would benefit from this professional development.. Register today by scanning the QR code or by visiting the following registration website:



<https://columbusstate.libcal.com/event/9777641>



'Make It Count!' WANTS YOUR SCHOOL

The 'Make It Count' Project (MIC) aims to improve math fluency in second graders by building a foundation for sustained growth in mathematics. The partnership between Partners in Education and the Mathematics Collaborative (CRMC) @ Columbus State University pairs schools with volunteers who will visit second-grade classrooms to provide engaging and fun activities designed to build math fluency.

Interested?

Here is What You Need:

- Volunteers (CRMC and PIE will help recruit)
- Supervised space
- 'Make It Count' kit
- Identify students to participate
- School Point-of-Contact



Contact Us Today!

Email: anderson_peter2@columbusstate.edu

Opportunity!

Muscogee County School Teachers: Teacher on Loan

Must Have:

A Bachelor's Degree in a job-related field;
A Valid Georgia Teaching Certification, or;
Have met the Strategic Waivers School System (SWSS) requirements

For more information, contact
Peter Anderson, Mathematics Collaborative Director
Email: anderson_peter2@columbusstate.edu
Phone: 706-575-1475



BUILDING THINKING CLASSROOMS COHORT

Are the things you are doing in class not connecting with students? Would you like to engage your students more deeply? Are you ready for a change that works?

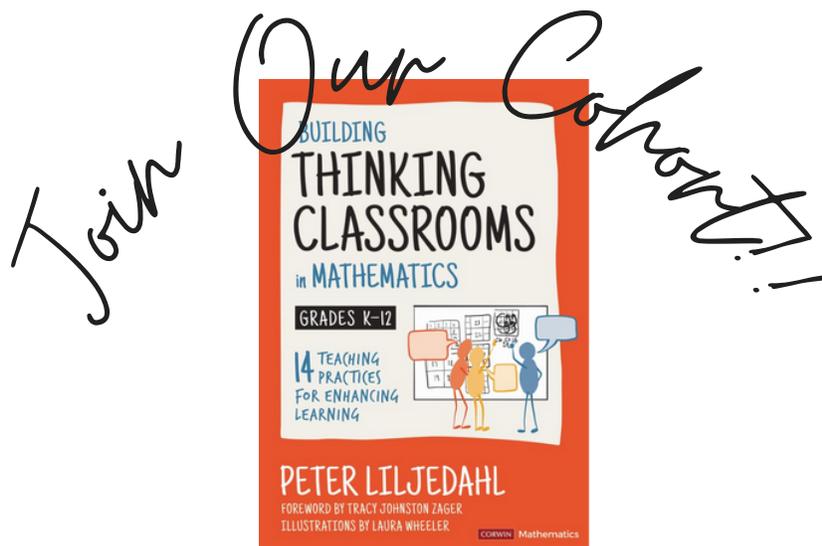
(I know you have heard this before.)

So, kick the tires and see if the promise fits.

It costs nothing but your willingness to participate.

We meet about once a month - after school, at Frank Brown Hall.

We develop and share lessons for teaching your subject. We are looking to grow our Building Thinking Classroom Cohort with High School and Middle School teachers.



If you are interested, contact Peter Anderson:
anderson_peter2@columbusstate.edu



Introducing the 'Toolbox' for Teachers and Students by Ms. Karen Hensen!

We are proud to feature the work of the Mathematics Collaborative very own Resource Specialist, Ms. Karen Hensen. On September 12, 2022, Ms. Hensen delivered a professional development session in which she provided 'Toolboxes' for teachers and students.

So, what is in the 'Toolbox'? Ms. Hensen gives us an explanation:

"The toolbox is analogous to a regular toolbox. To hang a picture or take a screw from a wall it is important to be able to select and use the appropriate tool for that purpose. Having appropriate tools available allows us to be efficient, flexible, and accurate in our task. Think about not having a hammer and trying to use a shoe to hang a picture."

"While it may work (flexible) it is not very efficient. It may ruin the shoe or damage the wall (accuracy). Without appropriate tools, the job becomes difficult and often impossible. The same is true in mathematics; particularly as students build on the skill/strategies taught. Teaching children to be math-thinkers requires them to be moved from concrete to abstract concepts and be given ample practice at each stage of the practice until they are fluent and have interconnected schema that they can mentally move into the abstract concepts of mathematics while maintaining a deep understanding of how the numbers behave."

Great Job Ms.Hensen!



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 Mathematics Collaborative
Frank Brown Hall
1127 Broadway
Columbus, Georgia 31901

Mailing Address:
4225 University Avenue
Columbus, Georgia 31907