



COLUMBUS STATE  
UNIVERSITY

# NOTES *to* NERDS

*The official newsletter of the Math Collaborative*



Join us for engaging professional learning. [Register now!](#)

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## Our Mission:

The CRMC's mission is to improve math education for all students in our area by developing teacher leaders through deepening their content knowledge, developing best practices, and using available resources to improve student outcomes and experiences.



## To do this, we must:

Provide quality teacher growth experiences through continuous collaboration - in and out of the classrooms - with a focus on teachers' needs in support of student growth.



## DIRECTOR'S NOTES

by Peter Anderson

CRMC Director

# “POCKETS”

As a young boy, I would pick up rocks, twigs, string, feathers, coins, and other small odds and ends. I would put them in my pocket, and at the end of the day, I would place them on the top of a toy box, play with them, and make a map or tell myself a story.

It occurred to me that I still do the same sort of things today. The odds and ends I pick up and put in my pocket are slightly different.

This past week, I visited several educators, talked with students, and read articles. I picked something up from each and put it in my "pocket." Here are the odds and ends:

- The students worked on Chromebooks in a program "who shall not be named" for a prescribed time. As I sat with the students and asked them what they were doing, the response was - math. But - "What are you doing?" - I would ask. "Working in the program" was invariably the response. In fact, on the board, the teacher had written, "Work in Chromebooks."
- I visited another school and taught in a fishbowl. Teachers observed a lesson as I presented it to their students. As the students engaged with the challenge, the teachers were invited to watch the students as they worked together in groups. The joy in problem-solving was as evident in the teacher's faces as in the students' voices as they discussed and shared solutions.
- While researching for a professional development session, I found an article by Dan Meyer on [artificial intelligence in education](#). Dan described AI (Artificial Intelligence) as "neat." But not a game-changer for education.



Two-year-old Pete!

CONTINUED...

## DIRECTOR'S NOTES, CONTINUED...

- A colleague who pours their heart into teaching confided their frustration with students for not doing their Khan Academy homework. She was brokenhearted because the results of the test were not what she expected.
- In an evening event, "Crossing the Chattahoochee," teachers from several disciplines and grade levels worked to use diverse types of everyday materials to build a bridge across a span. They were quiet at first, and then they began to talk and build. They laughed as they played - and learned - AND shared their experiences!
- In an afternoon PLC, when teachers were asked what they wanted students to take away from their lessons, not one mentioned a specific math standard. All of them, without specific intention, described one of the eight mathematical practices.

As I collect these pieces of my week atop my "toy box," the story that I see is that education is more about the human touch than it has ever been. From the emptiness of working in a computer program - to the joy of unabashed problem solving - to the heartbreak of a teacher over lack of student progress - to the unrecognized importance of process in learning mathematics - all of these have to do with human relationships. Relationships are complicated, but ultimately, they are the most important thing. When we consider that while we are helping students learn about mathematics, students are also learning about themselves and their relationship to the world. It is incredible and, on some level, miraculous that students learn as much as they do! Teachers are the eyes, the hands, the heart, and the voice that is education. No computer program on a Chromebook or with artificial intelligence can hold a hand, look a student in the eye, or know how the student feels.

Ok... Pockets empty! I hope your week is full of good odds and ends!

Happy Maths,

Pete



Q: WHY WAS THE FRACTION  
SKEPTICAL ABOUT MARRYING  
THE DECIMAL?

# "Crossing the Chattahoochee"



*Thank you*

Friends,

A wonderful evening was had this past Thursday, as we broke through the boundaries of Art, Mathematics, and History.

- Thank you, Columbus Museum!
- Thank you, Ivey Center (Happy Retirement, Dr. Salazar)!
- Thank you, Math Collaborative Resource Teachers!
- Most of all, thank you to the educators who took time at the end of a full day to join us!

Until the next one,

*Pete*

A: BECAUSE HE WOULD HAVE  
TO CONVERT.

# PROFESSIONAL LEARNING OPPORTUNITY



**REGISTER NOW**

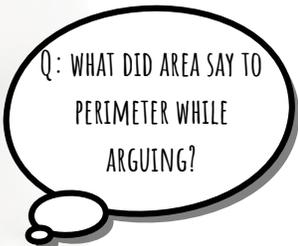
[HTTPS://COLUMBUSSTATE.LIBCAL.COM/EVENT/10974822](https://columbusstate.libcal.com/event/10974822)



## DIFFERENTIATION: REASONING & LITERACY

*Learn new strategies and tools to make it engaging for your students - and easy for you!*

Tuesday, October 24, 2023  
8:30 AM until 3:00 PM  
Frank Brown Hall, Classroom 1010  
Mathematics teachers of Grades K-2



- This workshop is designed to enhance students' critical thinking skills and reasoning in grades K-2.
- Could literacy help tap students' critical thinking with math?
- Explore data and statistical reasoning using the Georgia Math Standards.



706-565-1475   
[www.columbusstate.edu/CRMC/events](http://www.columbusstate.edu/CRMC/events)   
Teacher Needs Survey

### DID YOU KNOW...

OUR UPCOMING EVENTS FOR THE ENTIRE ACADEMIC YEAR  
ARE ALWAYS POSTED ON THE CRMC WEBPAGE.  
VISIT US ANY TIME!

[HTTPS://WWW.COLUMBUSSTATE.EDU/CRMC/EVENTS.PHP](https://www.columbusstate.edu/CRMC/Events.php)

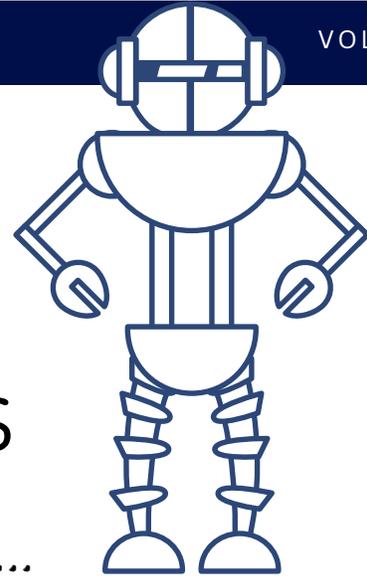


# TEACHER RESOURCES

Contributed by Peter Anderson  
Director, Math Collaborative

*nah*  
not another A.I. article

## PRACTICAL A.I. FOR TEACHERS



Trust me, I know, but don't skip this one...

So, I just shared with you about the importance of the human touch in teaching And you turn a page and find an article on Practical AI for teachers and students.

I do believe that teachers should be smart about the world around them. We should make use of the tools that will help us become better. In our staff meeting just recently, our resource teachers asked to know more about Intelligent Systems.

Dr. Renee Hoard shared this video series that does a very good job of explaining AI for teachers. It is divided into five 10-minute chunks for less than an hour.

I believe you will find it useful.

Here is a link to the [Youtube Videos](#).

Here is a link to [Renee's AI Resource Page](#).



- 1  Practical AI for Instructors and Students Part 1: Introduction to AI for Teachers and Students  
Wharton School • 45K views • 2 months ago
- 2  Practical AI for Instructors and Students Part 2: Large Language Models (LLMs)  
Wharton School • 11K views • 2 months ago
- 3  Practical AI for Instructors and Students Part 3: Prompting AI  
Wharton School • 11K views • 2 months ago
- 4  Practical AI for Instructors and Students Part 4: AI for Teachers  
Wharton School • 9.2K views • 2 months ago
- 5  Practical AI for Instructors and Students Part 5: AI for Students  
Wharton School • 9.7K views • 2 months ago

A: I'M TRYING TO TALK TO YOU BUT I FEEL LIKE YOU ARE JUST GOING AROUND THE PROBLEM.

# TEACHER RESOURCES

WE HAVE LAUNCHED OUR UPDATED WEBSITE!

**[WWW.COLUMBUSSTATE.EDU/CRMC](http://WWW.COLUMBUSSTATE.EDU/CRMC)**

ALTHOUGH A FEW AREAS ARE STILL UNDER CONSTRUCTION, WE COULD NOT WAIT ANY LONGER TO SHARE OUR WORK WITH YOU! TAKE SOME TIME, LOOK AROUND, AND LET US KNOW YOUR THOUGHTS.

WE HOPE IT OFFERS YOU AN ABUNDANCE OF NEW MATH RESOURCES.

THIS WEBSITE IS FOR YOU,

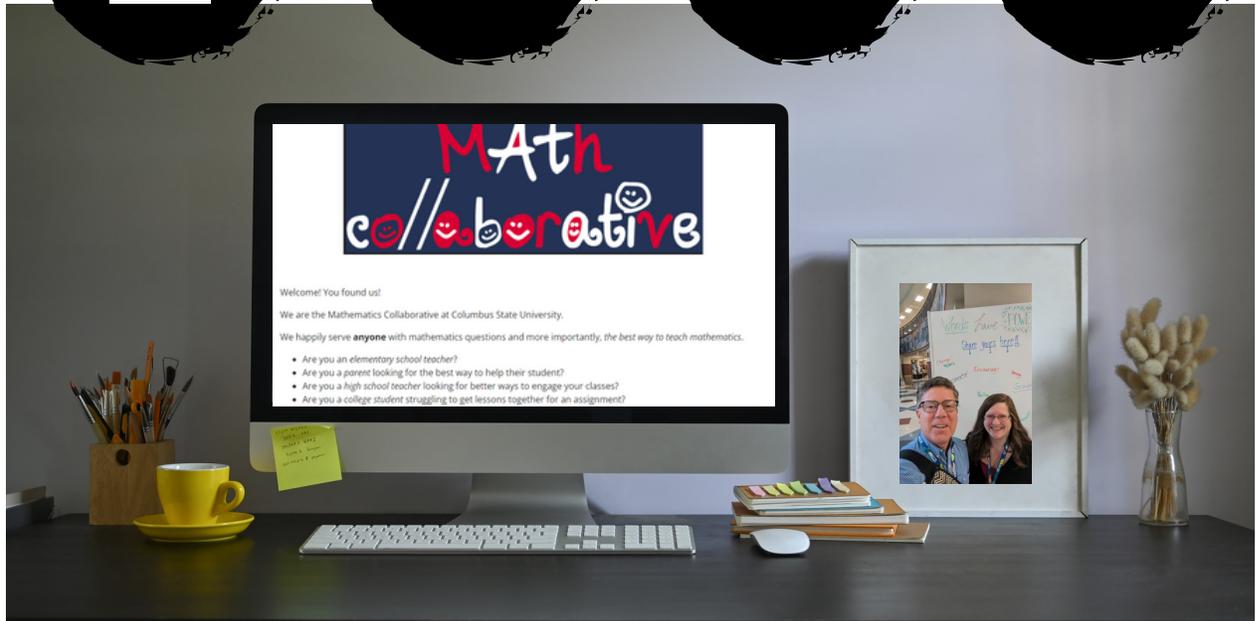
Pete

UPDATED MESSAGE  
FROM THE  
DIRECTOR

UPDATED  
TEACHER  
RESOURCES

UPDATED  
PARENT'S  
CORNER

UPDATED  
CONTACT  
PAGE





**BAM!**

**COMING SOON**



**WOW!**

- Building Thinking Classrooms  
Coming this November!
- Earn a Math Collaborative Badge!  
What?!? Stay Tuned...
- More Professional Development  
on this way this November!

**CONTACT INFORMATION**

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# MAKE IT COUNT! SCHOOLS NEEDED



We need schools like yours to help us  
**Make It Count! (2nd Grade)**



PLAY  
COUNTING  
GAMES

HELP  
CHILDREN  
LEARN

MAKE A  
DIFFER-  
ENCE!

Questions?

[www.columbusstate.edu/crmc](http://www.columbusstate.edu/crmc)

email: [anderson\\_peter2@columbusstate.edu](mailto:anderson_peter2@columbusstate.edu), or 706-565-1475



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Click here to read more about our website:

[Columbus Regional  
Mathematics Collaborative  
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Keep the  
Math Magic Going!  
Pledge your support!



*click here!*

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