

COLUMBUS STATE  
UNIVERSITY

# NOTES 2 NERDS

*The official newsletter of the Math Collaborative*



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**AUGUST**

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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

# WHAT'S IN YOUR HEART?

This past week I had the distinct pleasure of visiting several schools. The hope and the joy that you find in a kindergarten, or first grade classroom is so powerful it is something you could live off for a year. The same sort of joy (although it is completely tempered) can be found in your 4th and 5th grade classrooms. The excitement about the start of the school year is recognizable in middle school students. high school students are excited for lots of things but it surrounds the start of school.

I know my own excitement as a teacher. But I also recognize the chores and infinite duties that begin to weigh on us, not just the administrative burdens that are placed on us, but also, the scrutiny of society in general.

I love being a teacher, And what I saw this week in the students and teachers made me believe that most teachers genuinely love what they do. I was reading an article by Sarah Vanderwerf about her start of the school year. in the article, she quotes Tony Morrison, "Let your face speak what's in your heart." Oftentimes as the school year and responsibilities begin to wear on us, our face does not always speak to what is in our heart as educators. We love it whenever a student finally understands, Or when a student realizes they can do more than they ever thought, Or when a student disappoints you and realizes they can do better. This is the face that we need to show. This is the face students want to see... but more importantly the face they need to see.

The student faces I saw in class this week showed their hearts.

The teacher faces who greeted me this week lit up my day.

I wonder if I reflect that same light to them? I know I felt it in my heart.

Below are links to a couple of short posts about the start of the school year that I believe are powerful. I hope you find them useful and meaningful, maybe even entertaining.

[This One's For the Teachers \(@3 minutes\)](#)

[Does Face Light Up - Oprah \(@3minutes\)](#)

Pete

## BY THE NUMBERS

The word "AUGUST" is rendered in large, bold, uppercase letters with a watercolor texture. Each letter is a different color: 'A' is green, 'U' is purple, 'G' is orange, 'U' is light blue, 'S' is dark blue, and 'T' is red. The letters have soft, blended edges, giving them a painterly appearance.

# Upcoming Professional Development

**August**  
**23**

## **Grades 3-5**

From Calculators to Thinkers: Problem Solving Using Place Value, Multiplication, and Division

Click Here to Register:

<https://columbusstate.libcal.com/event/10981839>

**August**  
**24**

## **Grade 6**

Exploring Real-Life Phenomena Through Statistics

Click Here to Register:

<https://columbusstate.libcal.com/event/10981898>



**DID YOU KNOW....**

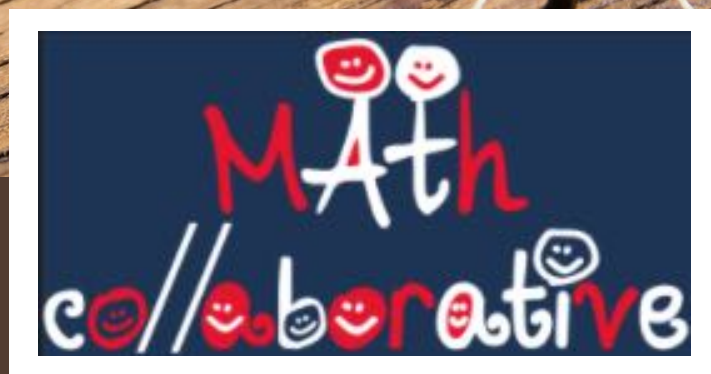
OUR UPCOMING EVENTS FOR THE ENTIRE ACADEMIC YEAR  
ARE ALWAYS POSTED ON THE CRMC WEBPAGE.

VISIT US ANY TIME!

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







This workshop will focus on 7th and 8th grade mathematics.  
Unit 1 in the new Georgia Mathematics Curriculum:  
**Making Relevant Connections  
Within the Number System  
& Investigating Linear Expressions, Equations,  
and Inequalities in One Variable**



## EXPLORE

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- JUST-IN-TIME CONTENT FOR 7TH AND 8TH GRADES, UNIT 1
- EXPLORE NEW STRATEGIES TO TEACH FAMILIAR, BUT CRITICAL, CONTENT
- LEARN HOW TO LINK PREVIOUS CONTENT TO NEW CONTENT TO HELP STUDENTS ESTABLISH CRITICAL CONNECTIONS

## THURSDAY, AUGUST 31, 2023

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8:30 AM – 3:00 PM  
FRANK BROWN HALL  
CLASSROOM 1010

## CONTACT US

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706.565.1475



[HTTPS://WWW.COLUMBUSSTATE.EDU/  
CRM/EVENTS.PHP](https://www.columbusstate.edu/crmc/events.php)



[TEACHER NEEDS SURVEY](#)



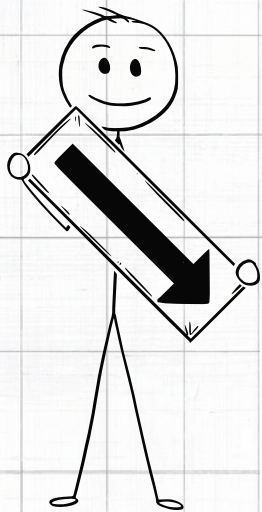
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# HOW DO WE TEACH USING MATH MODELING TASKS?

FOR MATHEMATICS TEACHERS OF GRADES 9-12



## MANAGING A TASK WHEN THE TASK COMES FIRST

### AUGUST 31, 2023

TEACHERS WILL RECEIVE  
JUST-IN-TIME CONTENT  
IDEAS FOR ALGEBRA



MOST IMPORTANTLY,  
TEACHERS WILL EXPERIENCE  
AND UNDERSTAND HOW AN  
ALGEBRA CLASS FLOWS  
FROM A TASK



TEACHERS WILL BEGIN TO  
UNDERSTAND HOW THEY  
CAN EFFECTIVELY MANAGE  
A TASK-BASED CLASSROOM.



**CONTACT US**

706.565.1475



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



TEACHER NEEDS SURVEY



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# CROSSING

*The Chattahoochee*



As educators, one of the most important things we can do is make learning relevant for students. This night challenges the perceived boundaries of Art, Mathematics, and History.

You will be challenged with the "why!"

You will be asked to create solutions for the "how!"

You will appreciate the Chattahoochee River for the force it is in creating the world we teach and walk in every day.

SEPTEMBER

**28, 2023**

**5:30-7:30PM**

IN PARTNERSHIP:



THE COLUMBUS  
MUSEUM  
columbusmuseum.com



ENTRY

**FREE**

( BUT REGISTRATION  
IS REQUIRED)

We will provide light food and finish the night  
on the Chattahoochee River. Space is limited!



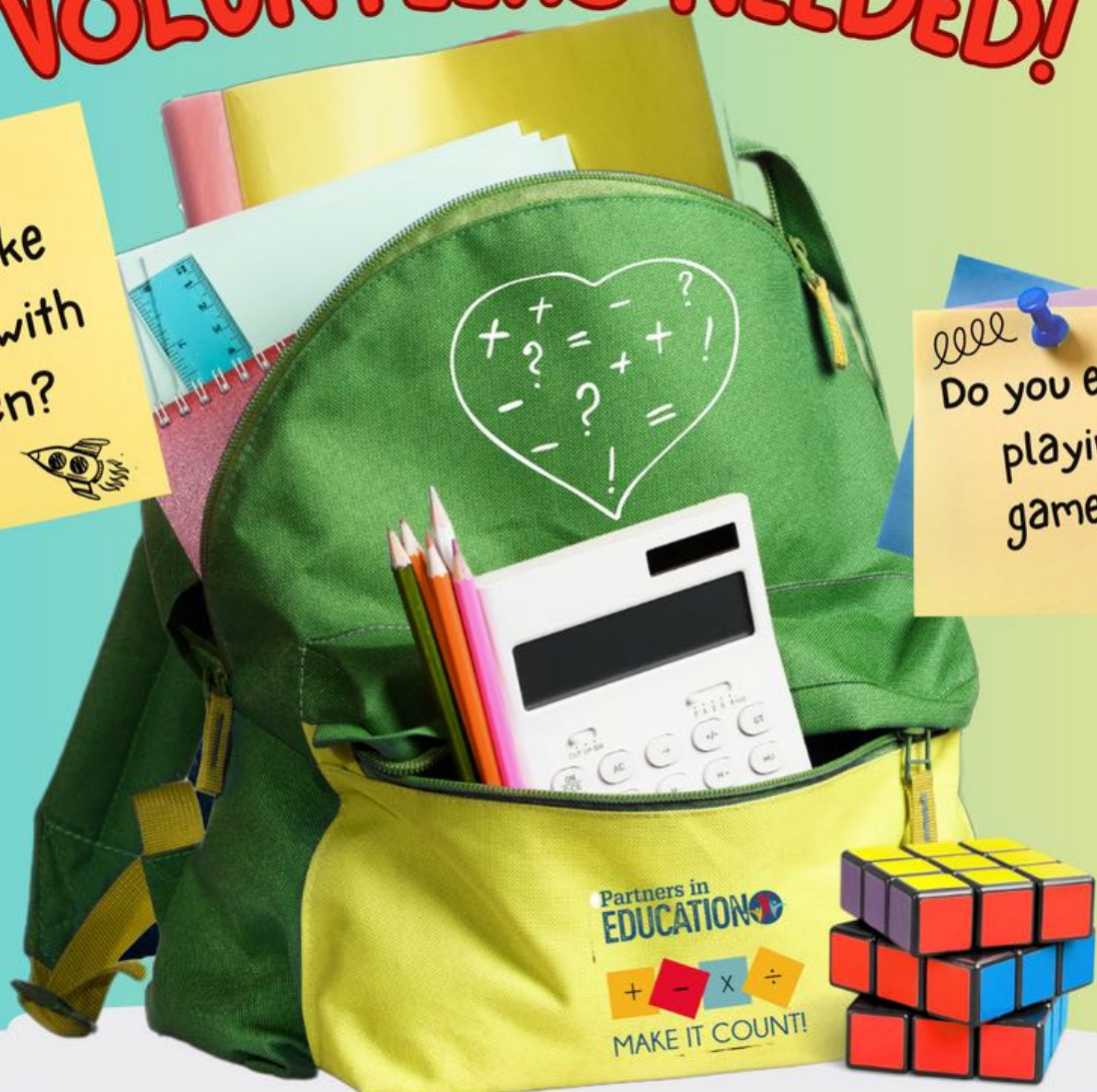


# VOLUNTEERS NEEDED!

★ Do you like working with children?



lllll Do you enjoy playing games?



We need people like you to help us  
Make It Count! (2nd Grade)



Questions?

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

email: [anderson\\_peter2@columbusstate.edu](mailto:anderson_peter2@columbusstate.edu) or

phone: 706-565-1475



## PROFESSIONAL LEARNING AND COOL TEACHER STUFF



Contributed by Hope Phillips,  
Resource Specialist, Grades 6-8

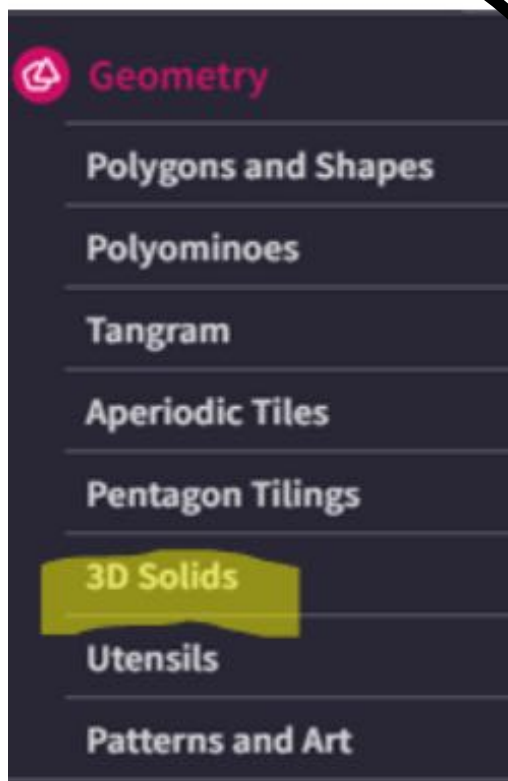
# Polypad:

## (ALMOST) ALL YOU WILL EVER NEED FOR MATH MANIPULATIVES

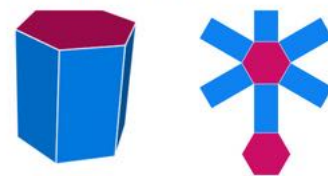
NEED A VARIETY OF VIRTUAL MANIPULATIVES?

THIS SITE IS “ONE STOP SHOP” ...AND FREE. *CHANGE COLOR, ADD TEXT, FREEHAND DRAW, ADD SIMPLE MATH SYMBOLS, AND/OR USE SIMPLE CONSTRUCTION TOOLS.*

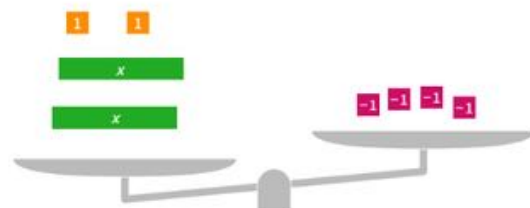
CLICK ON A CONTENT  
HEADING TO REVEAL  
MULTIPLE APPLETS.



THESE ARE THE APPLETS FOR  
GEOMETRY. THE IMAGES BELOW ARE  
FROM THE 3D SOLIDS:



USE THE PAN BALANCE APPLET  
(ALGEBRA TAB) TO ACTUALLY  
BALANCE EQUATIONS. AS YOU  
MANIPULATE THE TILES, THE  
BALANCE MOVES! WOW!





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Click here to read more about our website:

[Columbus Regional  
Mathematics Collaborative  
Columbus State University](#)



Keep the  
Math Magic Going!  
Pledge your Support!



*click  
here!*

Click the icons below to follow us on social media:



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