

Notes 2 Nerds

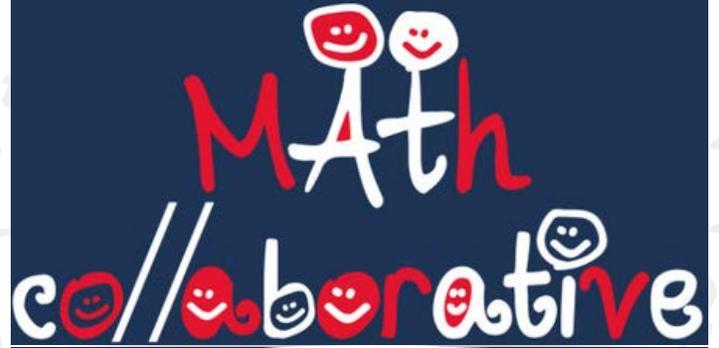
April 24, 2023

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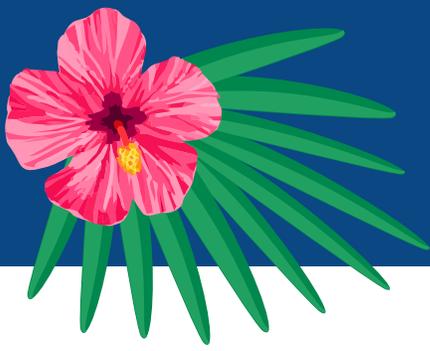
Upcoming Events:

- [Professional Development: Teaching with Tasks, Grades 6-8, May 4, 2023](#)
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Teacher Development and Consulting





BUILDING THINKING

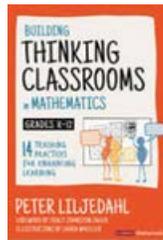
Classrooms Cohort

- 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.*)

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

[Resource Link](#)



From our very own
BTC Cohort:

Lisa Arnholt has been selected to present at the BTC Conference in Indianapolis Indiana, on June 29th and 30th.

Peter Anderson will be a facilitator at the same conference!!

[Click here for Conference Registration!](#)



ANNUAL MATHCON

Summer Conference
Atlanta, Georgia



Calling all Blended Teachers, Counseling Staff, District Leaders, Elementary Teachers, ESOL Teachers, Gifted and Talented Teachers, High School Teachers, Instructional Coaches/Coordinators, Middle School Teachers, RESA Mentors, School Leaders, Special Education Teachers, State Schools, Teacher Leaders!

The Annual MathCON Summer Conference offers engaging professional learning to teachers and leaders related to the implementation and instructional planning for Georgia's K-12 Mathematics Standards, including evidence-based instructional strategies to use in the classroom.

[For more information or to register, CLICK HERE](#)



GADDOE

MATHEMATICS MANIPULATIVES AND MATERIALS

OPPORTUNITY GRANT 2024



Intended to support the implementation of the new K-12 mathematics standards with the purchase of manipulatives, materials, texts, and other tools for conceptual, hands-on mathematics instruction. A maximum of \$1,600,000 will be awarded in grants for the 2023-2024 (FY24) school year, up to \$4,000 per school.

The Mathematics Manipulatives and Materials Grant is an opportunity grant program funded through the Georgia Department of Education. Application responses will only be submitted via this online form. Altered applications and/or attachments will not be accepted or reviewed.

Review the RFP (Request for Proposal) instructions carefully prior to submitting. All forms can be downloaded via links within the RFP.

Deadline for Receipt of Application: May 10, 2023 (No later than 5:00 PM EST)

If you have questions or issues uploading the required documents, please reach out to Dr. Lya Snell at mathematics@doe.k12.ga.us. Thank you!

Grant Application Link:

https://forms.office.com/pages/responsepage.aspx?id=g1yIlgkMDy069Ob1_Q4dr1yfDTk6acplJt3v6d7fzpgVUMVFZRkNaSUtNT1o3TU1IQ_TkySDhJOTg4VC4u

Director's Notes

THE FINISH LINE

It is the testing season. Obviously!

There will be countless hours with students in front of computer screens and keyboards, sitting at desks figuring math, responding to literary prompts, and forgetting material for which teachers have tirelessly prepped and trained students. It is also a time of testing for teachers—their patience, resilience, and, above all, their why.

I've watched many races as a track and cross-country coach for almost thirty years. I love the competition because it reveals human character. It is thrilling to watch a come-from-behind win, a photo finish in a talented field, or a dominant performance by generational talent as a runner finishes several links ahead.

The performances that touch my heart most—and fill my eyes with tears—are those where winning is of little consequence. Watching finishers at the middle or end of a race renews my faith in the human spirit more than almost anything I know. Winning is not on the table for these runners, but they persist to the finish. One of the most amazing competitions I've witnessed was a 400-meter championship race where the leading runner leading pulled a hamstring, crumpling to the track in pain on the last curve. The runner got up and limped toward the finish, taking a few steps and falling. Upon finishing their race, his competitors hurried back to support him to the finish line.

It is not always the finish that tests the human spirit. How do you respond to the first mile or two into a distance race when there is no chance to win or place? Why does a person persist? Coaching a beginning runner who becomes winded after walking one hundred yards develops into a runner who could finish a 5-kilometer race in 35 minutes is powerful. She would win no medals or varsity letters but she sure won this coach's heart for her effort.

Why do runners persist when winning the competition is not in the cards? Teachers are like these runners. Some lap the field with outstanding results, while others start the year knowing that finishing will be a struggle. And many need support to get to the finish line. Each teacher must answer the why that will carry him/her to the finish line. The answer to why is as unique as the teacher and the circumstance. The blessing is that the students you serve benefit from your struggle. This old coach knows this for a fact—I see you, pull for you, and am touched by your efforts.

Wishing your students and you a strong finish.

Happy Maths,

Pete



Professional Learning and Cool Teacher Stuff

by Hope Phillips, CRMC Resource Specialist

Don't miss out on this (no-cost) super-site: [PhET](#)

If you aren't familiar with the robust mathematics (and science if you need them) simulations from [PhET Interactive Simulations](#), you're in luck! They are just a click away. This site addresses elementary, middle, and high school math concepts. Their SIMS meet my criteria for sites I visit frequently—easy to learn and use, excellent graphics, and multiple content levels from easy to difficult. Plus, the SIMS include:

- Video primers that explain how to use the simulation,
- Teacher Tips – a PDF explaining an overview of each simulation's controls and insights into student thinking (easy to print for quick reference),
- Lessons using the simulations.

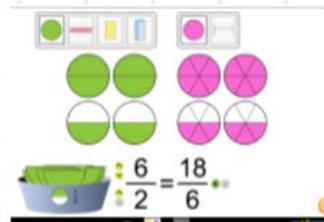
Recently, I received an email from PhET about the [new mean/average SIM](#). It's not your grandparents' number-crunching mean! This new SIM teaches mean as a balance point. Wow! Just in time for sixth-grade teachers to use in Unit One of the new [Georgia Mathematics Curriculum](#)!

All you have to do is register—at no cost to you—and then explore. Below are screenshots of four different SIMS. There are a total of 44 math SIMS, but that number will increase, and that's the fun of this website. How wonderful is it that the site creators add simulations and email you when they are ready to use? Just when I need a SIM for a specific standard, PhET seems to show up in my inbox!

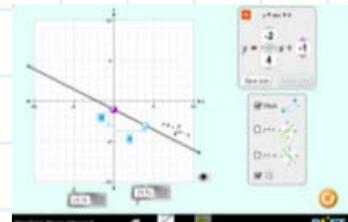
- [Area Model Multiplication](#)
- [Fractions Equality](#)
- [Graphing Slope-Intercept](#)
- [Graphing Quadratics](#)



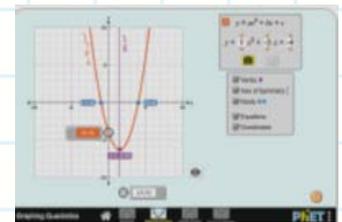
Area Model Multiplication



Fractions: Equality



Graphing Slope-Intercept



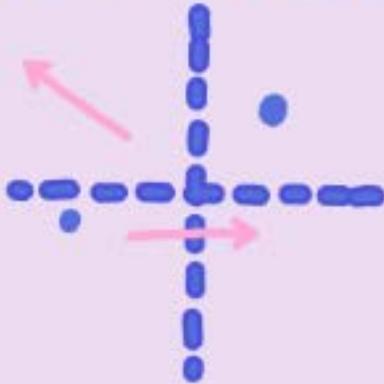
Graphing Quadratics



Professional Development and Upcoming Events



REGISTRATION
OPEN NOW!



**WHEN: THURSDAY,
MAY 4, 2023**

8:30 AM TO 3:00 PM
@ CSU, FRANK BROWN HALL

USE THE LINK OR SCAN
THE QR CODE TO REGISTER
TODAY:

[HTTPS://COLUMBUSSTATE.L
IBCAL.COM/EVENT/10559125](https://columbusstate.libcal.com/event/10559125)

Leave this workshop with:

- Ready-to-teach Lessons
- Worthwhile instructional resources
- A 6-8 view of concepts of linearity

Follow Us

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@mathcollab



@CollabMath



Free Registration for
CSU Students, teachers from
Calvary Christian School,
Muscogee County Schools,
Russell County Schools, St. Anne
Parish, and members of Delta
Kappa Gamma Honor Society

Teaching with Tasks to Implement the New Georgia Math Curriculum

- Learn how to incorporate tasks at the start of a unit instead of at the end.
- Learn how to design instruction based on "Learning Progressions."
- Investigate new ways of teaching ratio reasoning and concepts of linearity.
- **Even if you are not currently teaching Grades 6-8, this workshop will engage teachers of all grades.**



Professional Development and Upcoming Events



LOOKING AHEAD: WHAT'S UP WITH THE NEW GEORGIA MATH STANDARDS

by Peter Anderson



Join us for a two-and-a-half morning session that will help you get your head around the new Georgia math standards. The emphasis will be on the following:

- Help navigate the website (we will show you the good stuff!)
- Envision what the standards will look like for your classroom.
- A game plan - for resources *...if needed*
- NO frills or wasted time - just the straight low down.

When: Saturday, May 6, 2023, 9:30AM to Noon

Where: CSU, Frank Brown Hall, Room 1010

Cost: \$10 registration fee (course materials and light refreshments will be provided)

How: Click or Scan to Register Today!



<https://columbusstate.libcal.com/event/10573770>



For more information, contact CRMC Director, Peter Anderson: anderson_peter2@columbusstate.edu

Professional Development and Upcoming Events



**REGISTRATION
OPEN NOW!**



**WHEN: THURSDAY,
MAY 11, 2023**

8:30 AM TO 3:00 PM
@ CSU, FRANK BROWN HALL

USE THE LINK OR SCAN
THE QR CODE TO REGISTER
TODAY:
[HTTPS://COLUMBUSSTATE.L
IBCAL.COM/EVENT/10561638](https://columbusstate.libcal.com/event/10561638)

Leave this workshop with a deeper understanding more than the traditional "calculation-based" instructional view.

This hands-on workshop will engage you as a student and a teacher.

follow us

@Columbusregionalmathematicscollaborative



@mathcollab



@CollabMath



Free Registration for:

CSU Students, teachers from
Calvary Christian School,
Muscogee County Schools,
Russell County Schools, St. Anne
Parish, and members of Delta
Kappa Gamma Honor Society

Surprise!

We Are Not in Unit 1 Anymore Changes in Middle Grade Math

If you will be teaching sixth grade in August, you will be teaching a new Unit One. It's not "Number System Fluency" anymore. The new unit is all about data analysis! Come learn more about the following concepts:

- Explore categorical vs. numerical data;
- Mean as an equal share value;
- Mean as a balancing point;
- Mean Absolute Deviation;
- Describe data by overall shape, variability, and center.



Professional Development and Upcoming Events



REGISTRATION
OPEN NOW!



WHEN: THURSDAY,
MAY 11, 2023
8:30 AM - 3:00 PM

@ CSU, FRANK BROWN HALL
CLASSROOM 1022

USE THE LINK OR SCAN
THE QR CODE BELOW TO REGISTER
TODAY:
[HTTPS://COLUMBUSSTATE.LIBCAL.COM/EVENT/10574854](https://columbusstate.libcal.com/event/10574854)



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Free Registration for:

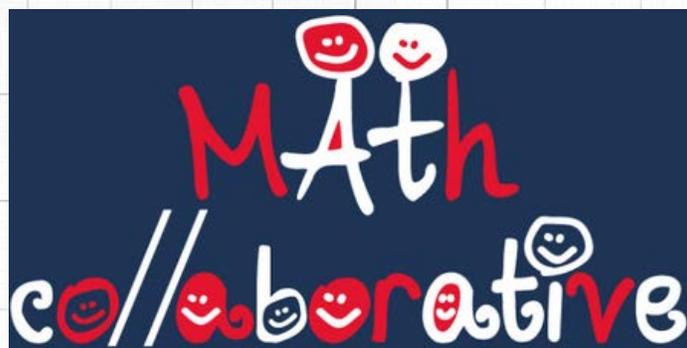
*CSU Students, teachers
from Calvary Christian
School, Muscogee County
Schools, Russell County
Schools, St. Anne Pacelli, and
members of Delta Kappa
Gamma Honor Society*

Algebra:

Teaching Through Tasks

A Look at the New
Georgia Math Curriculum

- Learn how to incorporate tasks at the start of a unit instead of at the end.
- Learn how to design instruction based on "Learning Progressions."
- **The approach we take will benefit all high school teachers.** We promise to engage and challenge you by experiencing proven strategies to engage your students and ignite your curiosity as a mathematician and teacher.



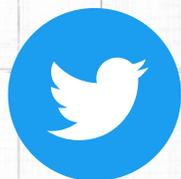
Click here to read more about our website:

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

Keep the
Math Magic Going!
Pledge your Support!



Click the icons below to follow us on social media!



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